

#### **GMR Goa International Airport Limited**

To,

The Additional Principal Chief Conservator of Forest (C)
Ministry of Environment, Forest & Climate Change,
Regional Office (SZ),
4th Floor, E&F Wing, Kendriya Sadan,

4" Floor, E&F Wing, Kendriya Sadai Koramangala, Bengaluru – 560034 GMR

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Date: 22 Nov 2022

Ref: GGIAL/MoEF&CC-EC/2022-2023/1283

Sub: Submission of Half Yearly EC Compliance Report of 'Greenfield International Airport at Mopa, Goa' by GMR Goa International Airport Limited (GGIAL), for the period from April

2022 to September 2022.

Name of the Project: Greenfield International Airport at Mopa, Goa. EC File No : F.No.10-29/2011–IA.III dated 28<sup>th</sup> October 2015

Ref: 1. Original EC vide letter No. F.No.10-29/2011–IA.III dated 28<sup>th</sup> October 2015

2. Hon'ble Supreme Court of India's Order dated 16th January 2020

3. Addendum to Original EC dated 13th March 2020

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Dear Sir,

With reference to the subject & reference mentioned above, we are herewith submitting the Half Yearly Environmental Clearance (EC) Compliance Report of 'Greenfield International Airport at Mopa, Goa' by GMR Goa International Airport Limited (GGIAL), for the period from April 2022 to September 2022. The construction phase of the Phase-1 project is in advanced stages of completion and expected to commence airport operation in early 2023.

Soft copy of this signed covering letter along with said EC Compliance Report, environmental monitoring report and other annexures are being submitted as a single document in pdf to your good office by e-mail (<a href="mailto:rosz.bng-mef@nic.in">rosz.bng-mef@nic.in</a>).

We request your good offices to kindly acknowledge receipt of the same.

Thanking you,

Yours Sincerely,

for GMR Goa International Airport Limited

**R V Sheshan** 

**Chief Executive Officer** 

Enclosure: As above

Copy for kind information to:

- 1. The Director, MoEF&CC, GOI, Indira Paryavaran Bhawan, CGO Complex, New Delhi 110 003
- 2. The Member Secretary, CPCB, Parivesh Bhavan, East Arjun Nagar, New Delhi 110 032
- 3. The Member Secretary, Goa State Pollution Control Board, Saligao, Goa 403 511
- 4. The Director, Directorate of Civil Aviation, GoG, Secretariat, Porvorim, Goa 403 521 Corporate Office: GMR Group





# HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT (Period: April 2022 to September 2022)



# Environmental Clearance Compliance Status Report of Greenfield International Airport at Mopa, Goa

With reference to
MoEF&CC's EC Letter No: F.No.10-29/2011-IA.III dated 28.10.2015
Addendum to EC Conditions dated 13.03.2020

### **GMR Goa International Airport Limited**

Mopa, Pernem Taluka, District North Goa, Goa – 403 512





#### **Point-wise compliance**

No.	Reference No.	Conditions	Compliance
Conditi	ons of EC dat	red 28/10/2015	
1,	4 (A) (i)	'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied. Renewal of 'Consent to Establish' has been obtained from Goa State Pollution Control Board (GSPCB), vide Letter No. 12/2019-PCB/299315/R0002481 dated 29/01/2020 with validity for 3 years. Project is under development phase. infrastructures are being developed to meet the compliance requirements.
2.	4 (A) (ii)	The Project Proponent shall ensure availability of adequate land at the junction of the Mopa Airport road and Mumbai /Goa NH-17 for traffic circulation/management and to provide for all the traffic interchanges and proposed clover leaf.	As per Concession Agreement (CA), this is being addressed by Government of Goa (GoG).
3,	4 (A) (iii)	The approach and exit roads to the Airport shall be approved from the NHAI and should be according to IRC norms.	As per Concession Agreement, this is being addressed by Government of Goa (GoG). The construction work has begun and being executed through State PWD, GoG.
4.	4 (A) (iv)	A perusal of the Topo sheet superimposed on the runway area indicates that the extreme end of the runway is covering the drainage area partly. The drainage area which is under the runway shall be channelized. The area between the parallel taxiway and runway shall be handled carefully to drain the water from the area in the outfall 2.	Complied. The engineering design & drawings of the drainage system has been approved by Water Resources Department, (WRD), GoG. Channelization of storm water inbetween Runway and Parallel Taxiway is





No.	Reference No.	Conditions	Compliance
			completed and the storm water drained in the outfall 2.
5.	4 (A) (v)	The PP shall submit the site clearance certificate from Directorate General of Civil Aviation (DGCA), before commencement of work at the project site.	Submitted and Complied.  (Refer Annex – 4 of Half yearly EC compliance submitted vide letter no. GGIAL/MoEF&CC-EC/2021-2022/0688 dated 24 <sup>th</sup> May 2021).
6.	4 (A) (vi)	Sewage and other liquid effluent generated from the airport including from the existing terminal should be treated according to the norms laid down by the State Pollution Control Board. The treated sewage shall be recycled for flushing/ gardening. Proper dual plumbing shall be provided.	STP outlet standards prescribed by GSPCB in the CTE are considered for the STP design, will be addressed and complied with during operational phase of airport. The treated sewage shall be recycled for flushing, cooling tower make-up/ gardening. Proper dual plumbing has been e provided.  The construction work of 625 KLD STP completed.
7.	4 (A) (vii)	The solid waste generated shall be properly collected, segregated and disposed according to the provisions of Solid Waste (Management and Handling) Rules, 2000. The project proponent shall make provisions for drinking water at convenient places for passengers and also at the cafeterias as to reduce generation of solid wastes including PET bottles.	Noted. Compliance shall be ensured.  Project is in construction phase and necessary infrastructure to ensure compliance with given conditions are being built.
8.	4 (A) (viii)	Installation and operation of DG sets shall comply with the guidelines of CPCB.	Being Complied.  As per the revised categorization of DG sets by CPCB, the stand alone DG sets





No.	Reference No.	Conditions	Compliance
			having capacity less than 1000 KVA do not require 'consent to operate' by GSPCB. Project is in construction phase. Presently, DG Sets at construction site are of less than 1000 KVA capacity. These DG sets are provided with adequate stack height and acoustic enclosures.  Stand by DG Sets 2000 KVA X 3 are installed at the site and Consent to Operate has been received from GSPCB.
9.	4 (A) (ix)	Parking provision shall be provided according to the National Building Code of India, 2005.	Parking provision has been made in the master plan and construction work is under progress.
10.	4 (A) (x)	Water conservation fixtures shall be provided and water balance shall be maintained through verifiable metering for fresh raw water, recycled as well as rain water harvesting.	Provision of water meters is in progress.
11.	4 (A) (xi)	Necessary permission shall be obtained for drawing of ground water from competent authority prior to construction / operation of the project.	Complied. Permission has been obtained from the Water Resources Department (WRD), Goa.  (Refer Annex – 4 of Half yearly EC compliance submitted vide letter no. GGIAL/MoEF&CC-EC/2021-2022/0688 dated 24 <sup>th</sup> May 2021).





No.	Reference No.	Conditions	Compliance
12.	4 (A) (xii)	The land use around the Airport complex shall be regulated through a plan to control unauthorized development which may create problems in the operation of Airport.	Mopa Airport Development Authority (MADA) is the designated regulatory body to control the unauthorized development around the Airport complex. GGIAL has communicated to MADA vide letter dated 24/02/2021 for land use regulation around airport complex.
13.	4 (A) (xiii)	The wastewater from hangers shall be tested for presence of heavy metals, if any, and shall be treated in STP. The treated wastewater shall be used for gardening/ flushing.	Noted. Compliance will be ensured during operational phase of airport. Construction of STP is completed. Treated water will be used for flushing, cooling tower make up and gardening.
14.	4 (A) (xiv)	Rain water harvesting shall be provided to recharge the ground water.	Noted. Rain water harvesting has been provided to recharge the ground water.
15.	4 (A) (xv)	Energy conservation to the extent of at least 20% shall be incorporated including water conservation (reuse/recycle, rain water harvesting and water efficient fixtures) and other green building practices for various buildings proposed within the airport complex. The PP shall consider ECBC Guidelines 2009 to achieve energy-efficiency. The energy conservation measures shall be subject to periodic verification by the competent Energy Conservation/ Efficiency authority in the State.	Energy conservation, water conservation (reuse / recycle, rain water harvesting and water efficient fixtures) and other green building practices for various buildings are incorporated within the airport complex. ECBC Guidelines are followed to achieve energy-efficiency.  Compliance shall be ensured during operational phase.





No.	Reference No.	Conditions	Compliance
16.	4 (A) (xvi)	The project proponent shall prepare a detailed traffic management plan to take care of increased vehicular traffic which should also cover/clearly delineate widening/ increasing the existing roads and associated road infrastructure approving/ installation of road safety features/pedestrian facility/FOB/under passes etc. (that can be done by carrying out road safety audits). Measures shall be taken to prevent encroachment along/ within the Rows on connecting/ main arterial roads.	As per Concession Agreement (CA), this is being addressed by Government of Goa.
17.	4 (A) (xvii)	All the recommendations of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report.	Noted. Compliance shall be ensured. Compliance to the EIA mitigation measures in Matrix Format is attached as <b>Annexure - 1</b> .
18.	4 (A) (xviii)	The responses / commitments made during public hearing shall be complied with in letter and spirit.	Noted. Compliance is ensured.
19.	4 (A) (xix)	Project Proponent shall install noise level display system. Noise level shall be monitored regularly in all seasons (different meteorological conditions) within the compound as well as nearby habitations and it shall be ensured that the noise level is within the prescribed limits. During night time the noise levels measured at the boundary shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted. Compliance shall be ensured. Currently, project is in construction phase and ambient noise levels monitoring are being conducted by MoEF&CC approved and NABL accredited Environmental Laboratory. Noise level monitoring reports are enclosed in <b>Annexure-2</b> .
20.	4 (A) (XX)	The location of monitoring stations and monitoring of noise level during day and night shall be in accordance with the CPCB	The location of monitoring stations and monitoring of noise level during day and night is in accordance with the CPCB





No.	Reference No.	Conditions	Compliance
		guidance document "Requirement and procedure for monitoring Ambient Noise Level due to aircraft" published on 25 <sup>th</sup> June, 2008.	guidance document "Requirement and procedure for monitoring Ambient Noise Level due to aircraft" published on 25 <sup>th</sup> June, 2008. Monitoring & compliance will be ensured during operational phase.
21.	4 (A) (xxi)	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Being Complied. Waste Management Plan is prepared and being implemented.
22.	4 (A) (xxii)	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the SPCB.	Being Complied. Hazardous waste is being disposed-off to GSPCB authorized recyclers.
23.	4 (A) (xxiii)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Noted. EC had been obtained from MoEF&CC on 28 <sup>th</sup> October 2015 before starting the construction and Amended in 3 <sup>rd</sup> March 2020.  The project is under construction phase.
24.	4 (A) (xxiv)	The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied. Environmental Management Cell has been set up under the supervision of a Senior Executive designated as VP & Head – EHS & Sustainability.
25.	4 (A) (xxv)	Corporate Environment Responsibility:  a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.	Complied. Environment Policy is in place.





No.	Reference No.	Conditions	Compliance
		b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions.	Complied.
		c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.	Complied.
		d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large.	Complied.
B.	GENERAL C	ONDITIONS:- EC dated 28/10/2015	9
26.	4 (B) (i)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care etc.  The housing may be in the form of temporary structures to be removed after the completion of the project	Being Complied. Labor colony has been established within project site with all necessary infrastructure and facilities.
27.	4 (B) (ii)	A First Aid Room will be provided in the project both during construction and operation of the project.	Being Complied. First Aid Centre with medical staff has been provided.
28.	4 (B) (iii)	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Being Complied. The excavated top soil was stored at designated locations within the site and same is being utilized for the landscaping and horticulture purposes.





No.	Reference No.	Conditions	Compliance
29.	4 (B) (iv)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Being Complied. Entire quantity of excavated earth work is being used for filling & levelling within the site premises.
30.	4 (B) (v)	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection Rules prescribed for air and noise emission standards. The diesel required for operating DG sets shall be stored in underground tanks and if required clearance from Chief Controller of Explosives shall be taken.	Being Complied. Low Sulphur diesel is being used. Clearance from Chief Controller of Explosives has been obtained for storage of Diesel during construction phase.
31.	4 (B) (vi)	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Vehicles hired for bringing construction material to the site are in good condition and carry Pollution Under Control (PUC) certificate and conform to applicable air and noise emission standards. Being Complied. (Sample is enclosed in <b>Annexure-1</b> ). Vehicles bringing construction materials are using National Highway (NH) and State Highway (SH) roads, to reach out to Mopa project site. There is no restriction imposed w.r.t. peak and non-peak hours for NH and SH roads by Central Govt. & State Govt.





No.	Reference No.	Conditions	Compliance
32.	4 (B) (vii)	Fly ash usage shall be explored as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 <sup>th</sup> August, 2003.	Being Complied. Fly ash is being used in Ready Mixed Concrete (RMC).
33,	4 (B) (viii)	Ready mixed concrete must be used in building construction.	Ready Mixed Concrete (RMC) are used in all building construction. Being Complied.
34.	4 (B) (ix)	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Being Complied. Considered in the engineering design, vetted by IIT Mumbai.
35.	4 (B) (x)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Being Complied. Curing agents are being used. All concrete works are being done with pre-mixed concrete i.e. RMC only.
36.	4 (B) (xi)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Compliance is being ensured. The buildings are incorporated with dual plumbing system.
37.	4 (B) (xii)	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Compliance is being ensured. The glazing work in PTB and ATC tower buildings are being executed with double glass unit.
38.	4 (B) (xiii)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Compliance is ensured. Execution is being carried out as per ECBC/IGBC Guidelines with thermal insulation having required Solar Reflective Index (SRI). Passenger Terminal Building (PTB) has been accorded with





No.	Reference No.	Conditions	Compliance
			Provisional Certificate - IGBC Platinum Standard from CII.
39.	4 (B) (xiv)	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	Compliance is ensured. Execution is done as per ECBC/IGBC Guidelines.
40.	4 (B) (xv)	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	Noted. Compliance, as applicable for safe operation of airport, will be ensured.
41.	4 (B) (xvi)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Noted. Compliance will be ensured in consultation with GoG.
42.	4 (B) (xvii)	The construction of the structures shall be undertaken as per the plans approved by the concerned local authorities/local administration, meticulously conforming to the existing local and central rules and regulations.	Noted. Compliance is ensured. Construction License has been obtained from MADA through vide letter No. MADA/05/AGENDA-MTG02/20L8/15 on 20th February 2020
43.	4 (B) (xviii)	The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.	Being Complied. Statutory approvals of approved quarries from where construction materials are being sourced are submitted, (Refer Annex – 4 of Half yearly EC compliance submitted vide letter no. GGIAL/MoEF&CC-EC/2021-2022/0688 dated 24th May 2021).





No.	Reference No.	Conditions	Compliance
44,	4 (B) (xix)	Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.	Being Complied. Details are submitted in <b>Annexure-1</b>
45.	4 (B) (xx)	Full support shall be extended to the officers of this Ministry/Regional Office by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Noted.
46.	4 (B) (xxi)	A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry regarding the implementation of the stipulated conditions.	Monitoring is being conducted by MoEF&CC approved and NABL accredited Environmental Laboratory. Monitoring reports of Ambient Air Quality (AAQ), Water and Noise levels conducted from April 2022 to September 2022 are enclosed in <b>Annexure – 2</b> .
47.	4 (B) (xxii)	Ministry of Environment, Forest & Climate Change or any other competent authority may stipulate any additional conditions or modify the existing. ones, if necessary in the interest of environment and the same shall be complied with.	Noted.
48.	4 (B) (xxiii)	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted.
49.	4 (B) (xxiv)	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest & Climate Change.	Noted.





No.	Reference No.	Conditions	Compliance
50.	4 (B) (xxv)	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	<ol> <li>Financial Closure for the project has been achieved on 7<sup>th</sup> July 2017.</li> <li>The approval of the project obtained from Director General of Civil Aviation (DGCA), GoI, New Delhi vide their letter no. AV.20024/17/00-AL dated 27<sup>th</sup> July 2017.</li> <li>Land development work has already been started (Letter submitted to Regional office of MoEF&amp;CC vide letter no. GGIAL/MoEF&amp;CC/2018/0194 dated 26<sup>th</sup> February 2018).</li> <li>The above details have been further submitted to Regional Office, MoEF&amp;CC and MoEF&amp;CC, New Delhi vide our letter No. GGIAL/MoEF&amp;CC-EC/2020-21/0519 dated 13<sup>th</sup> August 2020.</li> </ol>
51.	4 (B) (xxvi)	A copy of the clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.	Complied.
52.	4 (B) (xxvii)	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District	Complied.





No.	Reference No.	Conditions	Compliance
		Industries centre and Collector's Office / Tehsildar's office for 30 days.	
53.	4 (B) (xxviii)	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.	Being complied. Environmental expenditures during Financial Year 2022-23 is enclosed as  Annexure – 3.
54.	5	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 2006, including the amendments and rules made thereafter.	Relevant environmental acts and rules are being complied with.
55.	6	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Being Complied. Necessary approvals from the concerned authorities are being obtained as applicable. List of various statutory clearances / permits / approvals related to Environment, obtained or applicable to the airport project are submitted (Refer Annex – 4 of Half yearly EC compliance report submitted vide letter no. GGIAL/MoEF&CC-EC/2022-2023/0990 dated 16 <sup>th</sup> May 2022). List of approval / clearances / permits obtained in period of April 2022 to





No.	Reference No.	Conditions	Compliance
			September 2022 is enclosed as <b>Annexure-4.</b>
56.	7	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest & Climate Change at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry.	Complied. EC was published in Tarun Bharat and Navhind Times on 31st August 2015.
57.	8	This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No .460 of 2004 as may be applicable to this project.	Noted.
58.	9	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Being Complied. All stipulated environmental conditions and environmental safeguards are being compiled in Half Yearly EC Compliance Report and the same is being uploaded on website of GGIAL.
59.	10	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.





No.	Reference No.	Conditions	Compliance
60.	11	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Compliance is being ensured. Environmental Statement for temporary construction plants viz., Hot Mix Plant, Batching Plant, Wet Mix Macadam (WMM) Plant and Crushing Plants have been submitted to Goa State Pollution Control Board.
Additio	nal NGT Cond	litions vide NGT order dated 21/08/2018	
	A	Air Environment	
61.	1	Total Suspended Particulate Matter (SPM), Respirable Particulate Matter (RPM) during construction phase. Un-burnt and Hydro Carbons (HC), Lead (Pb), CO <sub>2</sub> , SO <sub>2</sub> , CO <sub>2</sub> , SOOT and Oxides of Nitrogen (NOx) during operation phase are going to be major pollutants in this kind of project. Besides, fugitive emissions of Volatile Organic Compounds (VOC) during fuel handling can be another issue for ambient air environment. The provision of only 6 (six) Air Quality Monitoring Stations is inadequate as sampling duration has been given as 'twice a week, 4 weeks in a season as per CPCB standards for NAAQM, 1994. It would be appropriate if the Project Proponent establishes real time online continuous Air Quality Monitoring Station also which is connected to CPCB server and capable of monitoring all relevant and critical parameters and mitigation measures taken.	Being Complied. Currently in the construction phase of the project, Environmental Quality Monitoring of Suspended Particulate Matter (SPM), PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NOx, CO are being conducted. The AAQ Monitoring report is enclosed as Annexure-2. Total VOC Monitoring being conducted within the Mopa Airport premises and the test report are enclosed in Annexure-2. Real time online Continuous Ambient Air Quality Monitoring Station (CAAQMS)





No.	Reference No.	Conditions	Compliance
			has been installed and commissioned at GSPCB approved location.
62.	2	Although all parameters w.r.t ambient air parameters have been found to be within limits for all 6 (six) locations monitored, we feel for the purpose of giving/depicting holistic picture with regard to ambient air in the area, at least 3 (three) more locations falling in the State of Maharashtra be also monitored and documented.	Complied. Report of AAQ monitoring conducted at additional 3 locations in the State of Maharashtra is enclosed as <b>Annexure - 2</b> .
	В	Water Environment	
63.	1	Only two number of Rain Water Harvesting pits have been provided which we feel are not adequate and there is a need to place other pits at such locations so as to capture all the excess drainage for water re-charge.	Noted. Compliance shall be ensured. The rain water harvesting plan has been revised and also approved by Water Resources Department (WRD) vide letter No. 9/3/EO/WRD/2022-23/59 dated 26-05-2022. The same is enclosed in <b>Annexure-4</b>
64.	2	More frequent Water Quality Monitoring i.e. once every month may be carried out by Project Proponent at bore wells and STP discharge plants instead of 4 (four) times in a year as proposed.	Being complied.  Water Quality Monitoring reports are enclosed in <b>Annexure-2</b> .
	С	Noise Environment	
65.	1	It has been proposed that ambient noise levels shall be monitored around the premises of airport, near DG sets and at main entrance/boundary of airport once a week at 7 (seven) locations which we feel are inadequate. Besides these, continuous monitoring of occupational noise exposure limits in such industrial	Noted. Compliance is being ensured.  Project is in construction phase and Noise levels monitoring at 12 locations in and around the airport premises is being carried out by MoEF&CC approved Environmental Laboratory.





No.	Reference No.	Conditions	Compliance
		environments would be appropriate with audible or visual alarm output capability.	Noise Monitoring reports are enclosed in the <b>Annexure-2</b> .
66.	2	Integrated Noise Model (INM) be more frequently used and mitigation undertaken during the operational phase of project at regular intervals.	Noted. Compliance shall be ensured during operational phase.
67.	3	Although ambient noise levels have been found to be within limits at 9 (nine) locations monitored, we feel for the purpose of giving/depicting holistic picture with regard to ambient noise levels in the area, at least 3 (three) more locations falling in the State of Maharashtra be also monitored and documented.	Being Complied. Noise Monitoring at additional 3 locations in Maharashtra State is being carried out by MoEF&CC approved laboratory.  Noise monitoring reports are enclosed in <b>Annexure-2</b> .
	D	Land Environment	
68.	1	There is a potential for impact on soil quality due to project related spills and leaks of fuel and chemicals and uncontrolled disposal of wastes and waste water. Adequate care be taken to avoid spills and leaks of hazardous substances and all project related wastes. Littering on sites and beyond the sites needs to be adequately prevented and controlled.	Being Complied. Secondary containment of adequate capacity is constructed at bulk bitumen and LDO storage tanks.
69.	2	Debris and Muck Management Plan to be prepared and implemented so as to avoid spillage of muck and debris on the slopes.	Being Complied. Plan is prepared and being implemented.
70.	3	Soil conservation and stabilization measures needs to be undertaken by deploying both mechanical and bio-engineering methods.	Complied. Compliance ensured as per requirements. Soil stabilization is ensured by providing geotextile materials on slopes. Gabion walls are





No.	Reference No.	Conditions	Compliance
			provided as a soil retaining structures wherever required.
71.	4	Remediation, restoration and compensation needs to be integral part of policy so as to provide adequate relief for any environmental or project related disasters.	Complied. Framework for remediation, restoration and compensation for any unlikely event of environmental or project related disasters has been prepared.
	E	Biological Environment	7
72.	1	Efforts be made to transplant the trees to other locations in the same vicinity by using appropriate mechanical devices which are available these days.	Complied. Efforts have been made to translocate 500 nos. of trees within site premises.
73.	2	Efforts be made to plant indigenous species which are tall in size rather than small saplings.	Noted. Compliance is being ensured.  Landscaping work is in progress for which indigenous tall species are being planted.
74.	3	Concerns have been raised by appellants with regard to plant species 'Dipcadi concanense' which has been claimed to be a threatened plant. This claim of the appellants has been negated by the respondent by producing a documentation of Botanical Survey of India, Western Regional Centre, Pune, Maharashtra titled as "A Note on Occurrence and Distribution of Dipcadi concanense". By invoking Precautionary Principle, we direct the Project Proponent to draw up a Conservancy by Plan/Scheme for 'Dipcadi concanense' in collaboration with Forest Department, State of Goa and Botanical Survey of India and ensure its implementation.	Complied.  Dipcadi Concanense is conserved in forest conservatory by Forest Department, GoG.





No.	Reference No.	Conditions	Compliance
	F	Socio-economic Environment	
75.	1	Adequate drills with respect to implementation of Disaster Management plan needs to be carried out at regular intervals so as to ensure preparedness and rapid response to any disasters both man-made or natural.	Being Complied. 'Onsite Emergency and Disaster Management Plan' for the construction phase of the project is prepared and being implemented. Emergency response drills are being conducted at construction site.
76.	2	Although 'Disaster Management Plan' as Annexure-II is part of EIA Report under the Sub head 1.2.1- National Disasters needs further elaboration especially in terms of Emergency Response Measures, Rules and Responsibility, Mitigation, etc.	Being Complied.  Updated 'Onsite Emergency and Disaster Management Plan' for the construction phase of the project is prepared and being implemented. Emergency response drills are being conducted at construction site.
Addend	lum to EC dat	ed 23 <sup>rd</sup> March 2020	
	I	Statutory compliance	
77.	(i)	The project proponent shall obtain certificate from Chief Wildlife Warden (CWLW) of State through State Government that none of the area of the project falls in the notified Eco-sensitive Zone (ESZ) and no activity prohibited in the Eco-sensitive zone will be taken up.	Submitted & Complied.  Obtained certificate from Chief Wildlife Warden (CWLW), GoG, mentioning that none of the area falls in notified Eco-Sensitive Zone (ESZ). (Refer Annex – 4 of Half yearly EC compliance submitted vide letter no. GGIAL/MoEF&CC-





No.	Reference No.	Conditions	Compliance
			EC/2021-2022/0688 dated 24 <sup>th</sup> May 2021).
78.	(ii)	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Complied. Consent to Establish has been obtained from GSPCB. (Refer Annex – 4 of Half yearly ECcompliance submitted vide letter no GGIAL/MoEF&CC-EC/2021-2022/0688 dated 24 <sup>th</sup> May 2021).
79.	(iii)	The project proponent shall obtain necessary permission from the competent authority for drawl of water from Tillari Irrigation Canal.	Complied. Permission has been obtained from WRD, GoG for drawl of water from Tilari irrigation Canal.  (Refer Annex – 4 of Half yearly EC compliance submitted vide letter no GGIAL/MoEF&CC-EC/2021-2022/0688 dated 24 <sup>th</sup> May 2021).
	II	Air quality monitoring and preservation	
80.	(1)	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. $PM_{10}$ and $PM_{2.5}$ in reference to $PM$ emission, and $SO_2$ and $NOx$ in reference to $SO_2$ and $NOx$ emissions) within and outside the airport area covering upwind and downwind directions.	Being Complied.  Ambient Air Quality Monitoring for common / criterion parameters relevant to main pollutants released (e.g. PM <sub>1</sub> and PM <sub>2.5</sub> in reference to PM emission and SO <sub>2</sub> and NOx in reference to SO and NOx emissions) within and outside of the project area is being carried outsides.





No.	Reference No.	Conditions	Compliance
			through MoEF&CC approved laboratory. The AAQ Monitoring report is enclosed as <b>Annexure - 2</b> .
81.	(ii)	Notification GSR 94 (E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities shall be complied with.	Dust mitigation measures are being complied and details are enclosed in <b>Annexure-1</b>
82.	(iii)	Soil and other construction materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty material wet	Being Complied. Soil and other construction materials are sprayed with water during loading, unloading and transfer operation.  Details are enclosed in <b>Annexure-1</b> .
83.	(iv)	The excavation working area should be sprayed with water after operation so as to maintain the entire surface wet.	Being complied.  Excavated areas are being kept wet by spreading water.
84.	(v)	Excavated materials shall be handled and transported in a manner that they do not cause any air pollution.	Being Complied.  Excavated materials are transported with trucks, which are properly covered with tarpaulin sheets.  Details are enclosed in <b>Annexure-1</b> .
85.	(vi)	The soil/construction materials carried by the vehicle should be covered by impervious sheeting to avoid leaking of the dusty materials.	Being Complied. Soil/construction materials are transported with trucks which are properly covered with tarpaulin sheets. Details are enclosed in <b>Annexure-1</b> .
	III	Water quality monitoring and preservation	





No.	Reference No.	Conditions	Compliance
86.	(i)	Appropriate drainage channels need to be designed to take care of the water flow into the nearest water courses/rivers, etc.	Compliance ensured.  The rain water harvesting plan has been revised and also approved by Water Resources Department (WRD) vide
			letter No. 9/3/EO/WRD/2022-23/59 dated 26-05-2022. The same is enclosed in <b>Annexure-4</b>
87.	(ii)	It should be ensured that sustainable water flow in the various channels of watershed in the plateau is maintained.	Compliance ensured. Sustainable water flow in various channels of watershed in the plateau is maintained by providing storm water drainage system. Revised drainage plan approved by Water Resources Department (WRD) vide letter No. 9/3/EO/WRD/2022-23/59 dated 26-05-2022 is enclosed in <b>Annexure-4.</b>
88.	(iii)	Storm water drains are to be built for discharging storm water from the air-field to avoid flooding/water logging in project area. Domestic and industrial waste water shall not be allowed to be discharged into the storm water drains and directed to STP for treatment.	Compliance is being ensured.  Construction of Sewage Treatment Plant (STP) is completed. Entire waste water generated will be treated in STP and will be further reused for flushing, gardening and cooling tower makeup.
89.	(iv)	Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc. shall be provided.	Compliance shall be ensured. Spil containment plan is prepared and the





No.	Reference No.	Conditions	Compliance
			implementation will be ensured accordingly.
90.	(v)	The runoff from paved structures like Aprons can be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures.	Compliance is being ensured. Runoff from the paved structure like Apron will be routed through Oil Water Separator (OWS). The construction of the same is completed
91.	(vi)	Run off from chemicals and other contaminants from aircraft maintenance and other areas within the airport shall be suitably contained and treated before disposal. A spillage and contaminant containment plan shall be drawn up and implemented to the satisfaction of the State Pollution Control Board.	Compliance is being ensured. Runoff from chemicals and other contaminants from aircraft maintenance and other areas will be routed through Oil Water Separator (OWS) before disposal. The construction of same is completed. A spillage and contaminant containment plan is prepared and implementation will be ensured accordingly.
92.	(vii)	The project activity shall conform to the General Standards for Discharge of Environmental Pollutants notified in the Environment (Protection) Rules, 1986, and amended from time to time.	Being complied. General Standards for Discharge of Environmental Pollutants in the Environment (Protection) Rules, 1986 was considered in design phase itself and the same will be ensured during operation also.
93.	(viii)	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Rain water harvesting structures shall conform to CGWA guidelines. Before recharging the	Compliance is being ensured. Rainwater harvesting for roof runoff and surface runoff is being implemented as per





No.	Reference No.	Conditions	Compliance
		surface run off, pre-treatment must be done to remove suspended matter, oil and grease.	WRD, GoG approved rainwater harvesting plan. Pre-treatment will be ensured before recharging.
	IV	Noise monitoring and prevention	
94.	(i)	Notification G.S.R. 568(E) dated 18.06.2018 of MoEF&CC regarding Ambient Air Quality Standards with respect to Noise in Airport Noise Zone shall be complied with.	Airport Noise Zone Mapping is under progress. Compliance shall be ensured during operational phase.
95.	(ii)	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being Complied.  Noise levels monitoring in and around the airport is being conducted through MoEF&CC approved laboratory.  Monitoring reports are enclosed in Annexure - 2.
96.	(iii)	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment's.	Being Complied.  DG sets are installed with acoustic enclosures. Random workplace noise levels monitoring is being carried out through MoEF&CC approved laboratory. Monitoring reports are enclosed in the Annexure-2.
97.	(iv)	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Compliance is being ensured.  DG sets are installed with acoustic enclosures. Necessary PPEs are provided to the operating personnel.





No.	Reference No.	Conditions	Compliance
98.	(v)	During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted. Compliance shall be ensured during operational phase.
99.	(vi)	Where construction activity is likely to cause noise nuisance to nearby residents, restrict it to only during day time i.e. between 7 am to 6 pm.	Noted. Being Complied. Construction activities are being restricted during day-time wherever and whenever required.
	V	Energy Conservation/climate change measures	
100.	(i)	Energy conservation measures like installation of LED should be integral part of the project design and should be in place before project commissioning.	Compliance is ensured.  Entire lighting fixtures provided across the airport complex are of LED type only.
101.	(ii)	Initiatives such as Green Infrastructure Development program, adoption of less emission intensive technologies, renewable energy program, electrical vehicles and Airport Carbon Accreditation need to be adopted to reduce its impact on climate change and Green House Gas (GHG) emissions as per environmental best practices governing greenfield airports.	Compliance is being ensured. The requirements of Green Infrastructure Development program, adoption of less emission intensive technologies, renewable energy program and electrical vehicles are considered in the design and work is being executed accordingly. Airport Carbon Accreditation shall be adopted during operational phase.
	VI	Waste Management	





No.	Reference No.	Conditions	Compliance		
102.	(i)	Soil stockpile shall be managed in such a manner that dust emission and sediment runoff are minimized. Ensure that soil stockpiles are designed with no slope greater than 2:1 (horizontal/vertical).	Complied. Soil stockpiles were managed and properly stabilized to minimize dust emission and sediment runoff.		
103.	(ii)	The project activity shall conform to the Fly Ash notification issued under the E.P. Act of 1986.	Being Complied.  Fly Ash is being used in RMC as per mix design in the construction.		
104.	(iii)	The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016. Recycling of wastes such as paper, glass (produced from terminals and aircraft caterers), metal (at aircraft maintenance site), plastics (from aircrafts, terminals and offices), wood, waste oil and solvents (from maintenance and engineering operations), kitchen wastes and vegetable oils (from caterers) shall be carried out.	Integrated Solid Waste Management Yard is constructed and Solid Waste Management Agency is on board and facilities are being made ready. Compliance shall be ensured during operational phase.		
105.	(iv)	Solid inert waste found on construction sites consists of building rubble, demolition material, concrete; bricks, timber, plastic, glass, metals, bitumen etc shall be reused/recycled or managed so as to strictly conform to the Solid Waste Management Rules, 2016, and Construction and Demolition Waste Management Rules, 2016.	Being Complied. Solid inert waste found on construction site is strictly managed as per the Solid Waste Management Rules, 2016 and C&D Waste Management Rules, 2016.		
	(v)	The project proponents shall implement a management plan duly approved by the State Pollution Control Board and obtain its permissions for the safe handling and disposal of:	Waste Management Plan is prepared. Compliance shall be ensured during operational phase.		
106.	a.	Trash collected in flight and disposed at the airport including segregation, collection and disposed.			
	b.	Toilet wastes and sewage collected from aircrafts and disposed at the Airport.			





No.	Reference No.	Conditions	Compliance
	C.	Wastes arising out of maintenance and workshops	
	d.	Wastes arising out of eateries and shops situated inside the airport complex.	
	e.	Hazardous and other wastes	
	VII	Green Belt	
		Green belt shall be developed in area as provided in project details,	Noted.
107.	(i)	with native tree species in accordance with Forest Department. The greenbelt shall inter-alia cover the entire periphery of the Air Port.	Compliance, as applicable for safe operation of airport, will be ensured.
108.	(ii)	The plantation species in and around Airport site should be carefully chosen to avoid bird nesting and to improve pollution control and noise control measures. Water intensive and/or invasive species should not be used for landscaping.	Noted. Compliance as applicable for safe operation of airport will be ensured.
109.	(iii)	Plantation activity should be taken up under the expert guidance for forest department of Goa, care should be taken that soil erosion measures should be taken up on priority so that the rich mineralized soil of forest is not washed away. The plantation activity should also have an approach of soil conservation where planting is done along the contours avoiding gully formation. As far as possible monoculture plantation should be avoided.	Noted. Compliance shall be ensured.
110.	(iv)	The proposed 10 times compensatory plantation need to be monitored by the Government of Goa so that the target of planting 5.5 lakh saplings is achieved in a time bound manner, their survival rate is monitored and mortality is replenished. As major chunk of 2.5 lakh of saplings is proposed to be done by the village level Bio Diversity Committees, it is necessary to ensure that people are largely given native species and/or fruit bearing saplings so that	Government of Goa (GoG), through Goa State Biodiversity Board (GSBB) has carried out plantation of 5 lakh f tree saplings as a compensatory afforestation plantation. GGIAL has contributed INR 1 Crore for supporting the compensatory plantation.





No.	Reference No.	Conditions	Compliance
		they will be able to derive economic benefits from such fruit crops and also such trees will provide better biological environment to birds.	
111.	(v)	Top soil shall be separately stored and used in the development of green belt.	Being Complied. The excavated top soil was stored a designated locations within the site and currently the same is being utilized fo the landscaping and horticulture purposes.
	VIII	Public hearing and Human health issues	
112.	(i)	Solution/management plan regarding redressal of all the concerns raised in the public hearing must be clearly spelt out in the EMP and shall be implemented in letter and spirit. Compliance for each mitigation plan shall be submitted to Regional Office, MoEF&CC along with half yearly compliance report.	Being Complied in collaboration with GoG.
113.	(ii)	Provision of Electro-mechanical doors for toilets meant for disabled passengers shall be ensured. Children nursing/feeding room shall be located conveniently near arrival and departure gates.	Being Complied.  Provision of Electro-mechanical door and children nursing/feeding rooms are near to completion.
114.	(iii)	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being implemented for the construction phase of the project.
115.	(iv)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form	Complied.  Labor colony has been established within project site with all necessary infrastructure and facilities.





No.	Reference No.	Conditions	Compliance
		of temporary structures to be removed after the completion of the project.	
116.	(v)	Occupational health surveillance of the workers shall be done on a regular basis.	Being Complied.  Occupational health surveillance of the workers is being carried out on regular basis.
		Conditions of Hon'ble Supreme Court of India (SCI) Order of	lated 16/01/2020
117.	(i)	Ref. No. 47: Adopt a Zero Carbon Programme during construction and operational phases of the Airport.	Noted. Compliance shall be ensured.  In line with our commitments submitted to SCI, infrastructure required for the Zero Carbon program during operational phase is considered in the design and will be implemented during the operational phase of the Airport as per the plan.
118.	(ii)	Ref. No. 48: The National Environmental Engineering Research Institute (NEERI) to be appointed to oversee compliance with the directions cumulatively issued by the Supreme Court.	Complied. NEERI has been appointed. NEERI visited project site and reviewed the EC compliance on 28 <sup>th</sup> June 2022. Further, NEERI reviewed the EC compliances on 27 <sup>th</sup> September 2022.





# ANNEXURE – 1 ENVIRONMENTAL MITIGATION MEASURES AS PER EIA REPORT AND COMPLIANCE STATUS AS OF SEPTEMBER 2022

S. No.	Mitigation measures	Compliance status
	Mitigation measures for Air Environment durin	ng Construction Phase
01	Ensure preventive maintenance of vehicles and equipment.	Being Complied.  All construction vehicles and equipment at site are going through periodical preventive maintenance. Sample copy of Checklist for maintenance is enclosed as <b>Annexure-A</b> .
02	Ensure vehicles with valid Pollution Under Control certificates are used.	Being Complied.  All construction vehicles working at site are having their Pollution Under Control (PUC) certificates and same are being renewed time to time. Sample copy of PUC certificate is enclosed as <b>Annexure-B</b> .
03	Implement dust control activities such as water sprinkling on unpaved sites.	Being Complied.  Dust control measures are being implemented at site in the areas viz., excavation sites, transportation of materials, unpaved roads, etc. Dust suppression is being carried out using water tankers and fog cannons.  Sample photographs of implementation of dust control measures are enclosed as <b>Annexure-C</b>



S. No.	Mitigation measures	Compliance status
04	Ensure vertical stacks with height sufficient for dispersion as per CPCB	Being complied.
	guideline for DG stacks.	All DG sets working at site are provided with sufficient
		vertical stack height as per the CPCB Guidelines. Photo
		showing DG with adequate stack height is enclosed in
		the <b>Annexure-D</b> .
	Mitigation measures for Water Environment duri	ng Construction Phase
05	Monitor water usage at construction camps to prevent wastage.	Being Complied.
		Water usage at construction camps is being monitored
		using water meters.
06	Ensure STP at construction camps/sites and the proposed facilities are	Complied.
	properly designed to handle peak waste water load and properly	Temporary STP of 150 KLD and 50 KLD are in operation
	maintained.	at the construction workmen camp. The STPs are within
		project site premises and designed to handle peak waste
		water load and being properly maintained.
07	Ensure supply of temporary/portable toilets for construction staff.	Being Complied.
		Sufficient number of temporary / portable toilets are
		provided for construction staff at site.
		Sample photo of portable toilet facility is enclosed as
		Annexure-E.
	Mitigation measures for Land Environment during	ng Construction Phase
08	Avoiding rainy season for construction so as to avoid soil erosion.	Appropriate measures taken to avoid soil erosion during
		the rainy season.
09	Restricting all construction activities inside project boundary.	Being followed.



S. No.	Mitigation measures	Compliance status
10	Ensure top soil stock pile is not contaminated with any type of spills.	Being followed.  The excavated top soil was stored at designated locations within the site away from the possible spill areas. Same is being utilized for landscaping and horticulture purposes.
11	Ensure any material resulting from clearing and grading should not be deposited on approach roads, streams or ditches, which may hinder the passage and/or natural water drainage.	Being followed.  Materials resulting from clearing and grading at construction site are strictly managed as per the Solid Waste Management Rules, 2016 and Construction & Demolition Waste Management Rules, 2016.
	Mitigation measures for Noise Environment during	ng Construction Phase
12	Ensure preventive maintenance of equipment and vehicles.	Being Complied.  All construction vehicles and equipment at site are going through periodical preventive maintenance. Sample copy of Checklist for maintenance is enclosed as <b>Annexure-A</b> .
13	Ensure DG sets are provided with acoustic enclosures and exhaust mufflers.	Being complied.  All DG sets working at site are provided with acoustic enclosure, exhaust mufflers and sufficient vertical stack height as per the CPCB Guidelines.  Photo showing DG with adequate stack height is enclosed in the <b>Annexure-D</b> .
14	Ensure vehicle movement is avoided at night, and close to sensitive receptors (such as schools, hospitals, place of worships).	Being Complied with.



S. No.	Mitigation measures	Compliance status
	Mitigation measures for Biological Environment du	ring Construction Phase
15	Keep a tally of trees cut.	Complied. Records have been maintained.
16	Avoid cutting of trees wherever possible.	Being Complied with.
17	Closing of trenches as soon as possible after pipeline laying, if any.	Being Complied with.
	Mitigation measures for Socio-economic Environment	during Construction Phase
18	Prohibit use of firewood in project camps and making use of cooking gas	Being Complied.
	is mandatory.	Labour colony has been established within site with LPC
		based cooking system.
19	Regulating speed limit of the vehicles	Being regulated.





## ANNEXURE – A PREVENTATIVE MAINTENANCE OF VEHICLES

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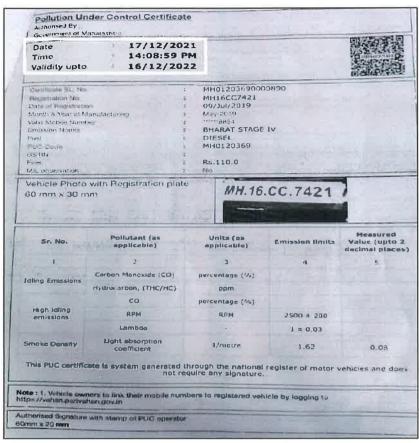
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**GMR Goa International Airport Limited** 

#### Half Yearly EC Compliance Report (April 2022 to September 2022)

# ANNEXURE - B PUC CERTIFICATE









**GMR Goa International Airport Limited** 

# ANNEXURE – C DUST CONTROL MEASURES IMPLEMENTED AT SITE





#### **WATER SPRINKLING ON UNPAVED HAUL ROADS**





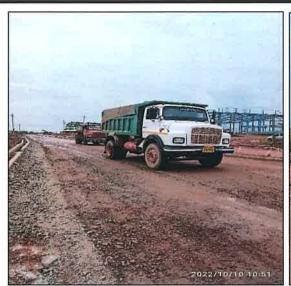
FOG CANNONS DEPLOYED AT EARTH WORK





## Half Yearly EC Compliance Report (April 2022 to September 2022)

GMR Goa International Airport Limited





CONSTRUCTION / EXCAVATED MATERIALS TRANSPORTED BY COVERING WITH TARPAULIN SHEETS





**GMR Goa International Airport Limited** 

# ANNEXURE - D DIESEL GENERATORS WITH ADEQUATE STACK HEIGHT AND ACCOUSTIC ENCLOSURE

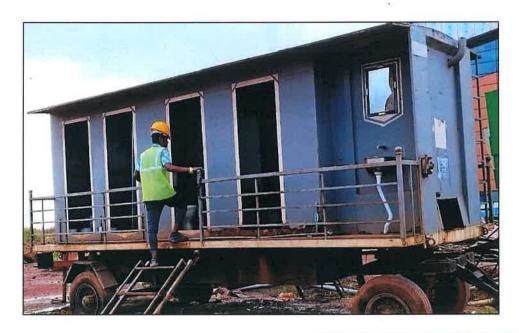




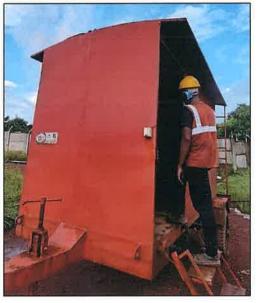


**GMR Goa International Airport Limited** 

# ANNEXURE – E PORTABLE TOILET FACILITIES













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Lab according by MoEF & CC Mark up to 03 + (2025) Contract by ISO-0001 1015 4, ISO 45001 2018

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Report Date 30/04/2022										
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1.	04/04/2022	SEE/AR/04/2022/	0078	88.53	38.38	1	3.35	9.09	0.08	126,30
2.	07/04/2022	SEE/AR/04/2022/	0155	45.24	12.27	1	3.00	<6.00	0.03	58.29
3.	11/04/2022	SEE/AR/04/2022/	0216	55,74	9.11		6.68	8.98	0,05	67.35
4.	14/04/2022	SEE/AR/04/2022/	0302	48.98	14.26	- 4	118	10.09	0.05	5431
5.	18/04/2022	SEE/AR/04/2022/	0346	64.56	15.72	<	3.00	7.29	0.03	82.96
6.	21/04/2022	SEE/AR/04/2022/	0388	59.01	22.54	<	3,00	<6.00	0.07	90.45
7	25/04/2022	SEE/AR/04/2022/	0423	86,14	23.58	13	3.38	6.51	0.09	113,50
8.	28/04/2022	SEE/AR/04/2022/	0468	41.33	15.72	2	5.29	12.53	0.05	63.85
	NAA	QS Limits*		100	60		80	80	4:	
		Units		µg/m³	pg/m³	pi	g/m³	ug/m³	mg/m <sup>a</sup>	100/10
Method				IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-		182 (Part 02)	IS 5182 (Part 06)	IS 5182(	15 5182 Pag IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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AA-04

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1)Akash Patlade 2)Dipall Sawant Analyzed by

Varsha Fole Reviewed by Agandeep Sawant Authorized Signatory

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO.2027-DTD-2015)	LES-CCL/FF/MF/SC/1145	15/07/2021	14/07/2022

## UV Spectrophotometer

Sr No. Equipment Name		Calibration
01	UV	In House Calibration

#### Fine Particulate Sampler (SR NO. 991-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3772	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



Practical Peter No. 81. Peter Edwin, Him Mages, Verent, Alfe, Chil Bellin, Hassi, Birds 2. Provenim, Passell Sec. 403-101 Gos State, India, 10. (0832) 2411322 / 2411823 \* Email: abreobysius recommendation The Linder

Laib accrediting by MoEF 6.00 which gate 03.11,3823 w Cerbring by ISO 3001 2015 & ISO 40001 2016

		AMB	IENT A	IR QUA	LITY MONITORI	NG I	REPO	RT		
Rep	oort Date 30/04/2022									
Nan	ne of Client				tion DMCC ail Airport Limited					
Add	iress of Client	Mopa, G								
San	pling Plan	SEEPL/	D/FM	r- 54	Sampling Procedu	re No		SEEPL/QS	P-10	
San	ple Collected	By SEEPLI	eprese	ntative						
Mor	ith of Sampling	g April 20	22							
				AMBIE	NT AIR LOCATION					
Loc	ation of ambie	nt air station	Shen	echeady	an Boundary[Goa St	ate) (	G-A2)			
Ave	rage Ambient	Temperature (PC)	32,1	Averag	ge Humidity (%)		62	Latitude	N 15º42'0	6.1"
Average Wind Speed (km/hr) 1.7			1.7	Averag	Average Wind direction (Deg) 213 Longitude E 73%				E 73°49'2	1,5"
Inst	ruments Used		FPS(	APM-550	), RDS(APM-460) &	GPS (	APM -	411)		
Sr.	Date of	Bassis No.				PARAMETERS				
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	S	02	NOx	CO	SPM
1.	04/04/2022	SEE/AR/04/2022	/0079	48.39	19.29	4.	58	11.77	0.07	72.97
2.	07/04/2022	SEE/AR/04/2022	/0157	30.67	14.60	<3	.00	<5.00	0.05	46.11
3.	11/04/2022	SEE/AR/04/2022	/0217	35.72	15,51	5,	10	8,28	0.06	52.01
4.	14/04/2022	SEE/AR/04/2022	/0303	32.73	12.39	6.	24	12.46	0.03	45.72
5.	18/04/2022	SEE/AR/04/2022	/0347	42.08	17.92	<3	00.	7,34	0.08	61,88
6.	21/04/2022	SEE/AR/04/2022	/0389	37.29	13.35	<3	.00	7,54	0.05	51,22
7.	25/04/2022	SEE/AR/04/2022	/0424	41.57	17.59	<3	00	<6.00	0.07	-60.27
8,	28/04/2022	SEE/AR/04/2022	/0469	34,38	16.72	<3	.00	<6.00	0.03	51.91
	NAA	QS Limits*		100	60	8	0	80	4	×
		Units		pg/m³	jig/m³	jig,	m <sup>3</sup>	ug/m³	mg/m³	µg/m
	- 9	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	100000000000000000000000000000000000000	182 t 02)	IS 5182 (Part 06)	IS 5182( Part 10)	Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade Maria 2)Dipali Sawant Sur

Analyzed by

Vinopderior

Varsha Pole Reviewed by Agardeep Sawant Authorized Signatory

## Respirable Dust Sampler's with Gaseous Sampling.

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 BL(SR NO.2028-DTD-2016)	LES-CCL/FF/MF/SC/1146	15/07/2021	14/07/2022

#### **UV Spectrophotometer**

Sr No. Equipment Name		Calibration
CI	UV	In House Calibration

#### Fine Particulate Sampler (SR NO. 992-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3768	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Last according by MoEF & CC Yard or to 93.11 2023 • C4 65ad by ISO 3001 2015 4, ISO 45001 2008

SANTH SANTH

		AMBI	ENT A	IR QUA	LITY MONITORI	NG I	REPO	RT		
Rep	ort Date	30/04/2	022							
Nan	ne of Client	of Client M/s. Megawide Construction DMCC  G/o GMR Goa international Airport Limited								
Address of Client Mopa, Goa										
Sampling Plan SEEPL/LD/FM			D/FMT	-54	Sampling Procedu	re No	,	SEEPL/QS	P-10	
Sarr	ple Collected	By SEEPL R	eprese	ntative				Vi-Tro like		
Mor	th of Sampling	g April 20	22							
				AMBIEN	AT AIR LOCATION					
Loc	ation of ambie	nt air station	Nagz	ar(Goa St	ate) (G-A3)					
Ave	rage Ambient	Temperature [°C]	31.9	Averag	e Humidity (%)		65	Latitude	N 15º45'3	7.3"
Average Wind Speed (km/hr) 1.4			1.4	Average Wind direction (Deg) 242 Longitude E 73°53				E 73°53'1	1.22"	
Inst	ruments Used		FPS(/	APM-550)	, RDS(APM-460) &	GPS (	APM -	411)		
Sr.	Date of	Denied No.	PARAMETERS							
No	Sampling	Report No.	Report No.		PM2.5	S	02	NOx	co	SPM
1.	04/04/2022	SEE/AR/04/2022/	0080	66.05	21.08	6.	10	9.11	0.06	90.62
2.	07/04/2022	SEE/AR/04/2022/	0158	43.88	9.69	<3	.00	< 5.00	0.05	54.12
3.	11/04/2022	SEE/AR/04/2022/	0218	30.43	8.52	<3	.00	11.12	0.03	39.63
4.	14/04/2022	SEE/AR/04/2022/	0394	40.73	17.47	<3	.00.	7.22	0.05	59.17
5.	18/04/2022	SER/AR/04/2022/	0348	49.09	11.93	<3	00.	9,54	0.03	63.08
6.	21/04/2022	SEE/AR/04/2022/	0390	33.58	18.84	<3	.00	< 5.00	0.03	52.81
7.	25/04/2022	SEE/AR/04/2022/	0425	54.66	27.45	<3	.00	6.42	0.05	84.26
8.	28/04/2022	SEE/AR/04/2022/	0470	32.97	13,35	3.	48	< 5.00	0.06	47.24
	NAA	QS Limits*		100	60		0	80	4	Te
		Units		µg/ m²	µg/m³	μg	/m³	ug/m³	mg/m <sup>3</sup>	µg/m
		Method		IS 5182( Part 23)	Lab SOP NO. SEE/LD/SOP-AA-04	18.5	5182 rt 02)	IS 6182 (Part 06)	IS 5182( Part 10)	195182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade Manual 2)Dipali Sawant

Analyzed by

Varsha Pole Reviewed by

Anandeep Sawarit Authorized Signatory

#### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- CEIS 121(SR NO.01-DTB-2017)	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

#### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

#### Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3771	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



B-300/007, Pol Na. 81, Palel Estata, Baie Magos, Venero, Alto, Ost Beran Roses, Barrier, Possorim, Princip Coa 403 101 Goa State, India 10 1 (0832) 24113227 2411323 E. mail: Markahgan Grad Brisilicana. SEAS HETTEL

Calculated by MoEF & CC Value on to 03,11 2823 # Curtified by ISO 9001 201; 6, 310 05001 2018

		AMBI	ENTA	IR QUA	LITY MONITORIN	VG I	REPO	RT		
Rep	ort Date	30/04/2	022							
Nan	ne of Client				tion DMCC al Airport Limited					
Add	ress of Client	Mopa, Go	a							
Sam	pling Plan	SEEPL/I	D/FMT	- 54	Sampling Precedur	e No	i i	SEEPL/QS	P-10	
San	ple Collected I	By SEEPL R	eprese.	ntative						
Mor	th of Sampling	g April 20	22		Commence of					
				AMBIEN	NT AIR LOCATION					
Loca	ation of ambie	nt air station	Purva	Casarvai	rnem (Goa State)(G-	A4)				
Ave	rage Ambient	Temperature (°C)	32.2	Average Humidity (%)			64	Latitude	N 15º41'4	1.9"
Ave	rage Wind Spe	ed (km/hr)	1.7	Average Wind direction (Deg)   215   Longitude   E 73°50'16.6"						6.6"
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) &G	PS (	APM -	411)		
Sr.	Date of	te of PARAMETERS								
No	Sampling	Report No.		PM <sub>10</sub>	PMZ	8	(O2	NOx	CO	SPM
1,	04/04/2022	SEE/AR/04/2022/	0031	52.28	28.69	7	73	10.02	0.06	92.30
2	07/04/2022	SEE/AR/04/2022/	0159	50.10	22.75	<	3.00	<5.00	0.07	23.23
3.	11/04/2022	SEE/AR/04/2022/	0219	38.61	9,27	3.63		14.76	0.03	48.62
4.	14/04/2022	SEE/AR/04/2022/	0305	30.04	16.97	5	.88.	9.41	0.05	48.70
5.	18/04/2022	SEE/AR/04/2022/	-	53.04	20.00	4	3.00	7.38	0.06	75.93
5.	21/04/2022	SEE/AR/04/2022/	0391	56.28	22.66	<	3,00	9.02	0.07	32.06
7.	25/04/2022	SEE/AR/04/2022/	0426	43.05	16.34	4	3.00	<6.00	0.03	60.43
8.	28/04/2022	SEE/AR/04/2022/	0471	30.52	12.39	c.	3.00	<6.00	0.05	43.52
	NAA	QS Limits*		100	60		80	80	4	8
		Units		µg/m³	μg/m³	Ité	/m1	ng/m <sup>1</sup>	mg/m <sup>3</sup>	µg/m
Method			IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04		5182	IS 5182 (Part 08)	IS 5182( Part 10)	IS 5182 Part IV	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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Part 23

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SEE/LD/SOP-AA-04

(Parl 02)

06)

: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade

2)Dipali Sawant William Analyzed by

Varsha Pole

Reviewed by

Arendeep Sawant Authorized Signatory

Part 10

Part IV

#### Respirable Dust Sampler's with Gaseous Sampling

5r No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1456-DTD-2009)	LES-CCL/FF/MF/SC/1157	15/07/2021	14/07/2022

#### **UV Spectrophotometer**

Sr No.   Equipment Name		Calibration
01	UV	In House Calibration

## Fine Particulate Sampler ( SR NO. 299-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
G1	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3400	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



B-305/207, Pau No. 01. Paler Estate, Reis Margos, Verenn, Alto, Old Reiter Hond, Barriez Frevenier, Famili Goo-403 101. Goo State, India: (C) : (1832) 2411 222 (1.411223 # E-mail: stateagoo/grood/from.com

Eat according by MoEE & CC Vivin up to 63 of 2023 w Conflood by 150 960 120 (54, 150 4900) (2018)

ONE HANGE SOLVE THE

		AMB	ENTA	IR QUA	LITY MONITORIN	IG RE	PO	RT		
Rep	ort Date	30/04/2	022							
Nan	ne of Client				ion DMCC al Airport Limited					
Add	ress of Client	Mopa, Ge	Мора, Goa							
San	pling Plan	SEEPL/I	D/FM1	FMT-54 Sampling Procedure No.				SEEPL/QSP-1	0	
Sam	ple Collected I	By SEEPL R	eprese	ntative						
Mor	th of Sampling	g April 20	22							
				AMBIE	NT AIR LOCATION					
Loca	ation of ambie	nt air station	Khajr	e Amere	Porscodem (Goa Stat	e) (G-	A5)	-		-
Ave	rage Ambient	Temperature (°C)	31.7	Average Humidity (%) 63			3	Latitude	N 15040'3	277
Ave	rage Wind Spe	The present (min/m)					E739462	1.2"		
Inst	ruments Used		FPS(/	APM-550)	, RDS(APM-460) &G	PS (AP	M -	411)		
Sr.	Sr. Date of Report No.									
No	Sampling	Asport No.	report No.		PMxs	SO	2	NOx	CO	SPM
1	04/04/2022	SEE/AR/04/2022/	0082	67.08	18.34	<3.0	0	11.43	0.03	85.92
2	07/04/2022	SEE/AR/04/2022/	0160	36.01	17.22	<3.0	0	<6.00	0.06	54.00
3.	11/04/2022	SEE/AR/04/2022/	0220	38.03	11.35	<3.0	0	12.99	0.05	61.60
4	14/04/2022	SEE/AR/04/2022/	030€	34.89	18,09	5.5	0	<6.00	0.02	53.30
5.	18/04/2022	SEE/AR/04/2022/	0350	27.07	10.85	<3.0	0	6.02	0.06	38.95
6.	21/04/2022	SER/AR/04/2022/	0392	48.80	12.48	<3.0	0	8.60	0.05	63.10
7.	25/04/2022	SEE/AR/04/2022/	0427	38.70	20.33	<3.0	0.0	7.06	0.06	59,84
В.	28/04/2022	SEE/AR/04/2022/	0472	20,53	6,86	<3.0	0	<6.00	0.03	27.7
	NAA	QS Limits*		100	60	80	)	80	4	-
		Units		µg/ m³	ug/m <sup>3</sup>	μg/1	mi	µg/m³	mg/m³	jig/m
Method				IS 5182( Part 23)	Lab SOP NO. SEE/LD/SOP-AA-04	(Part		IS 5182 (Part 06)	1S 5182( Part 10)	IS 5187 Part V

#### "NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1) Akash Pattade Market 2) Dipali Sawant Joyul

Analyzed by

Varsha Pole

Reviewed by

Authorized Signatory

HEAD DEF, & LAB Prot No. A 36. Road No. 16, (See Fiscar Read, M.I.D.C. Wagte industrio Area, Thorac - 400,501. Morning days State, India. E 1/51-22/ 2583-13217 - 563 3322 / 2583-533 / 2563 3324 • E-mail: pmc necessary / psychology/gradicom/ Gradien by Nincre of Switzmann Faces & Chause Chings. Con Official, & C. (6)

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IMG Dompo Towors, ILDG Potto, Paris), 403-001. Con State, Index & (0852) 7437049 / 2437564

E-mail: sodetweenwardSresillmail: con \* Yebox and substate yeary occurs - CIN - U45204MH 1994PTC - 1151764

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1895-DTJ-2014)	LES-CCL/FF/MF/SC/1152	15/07/2021	14/07/2022

## UV Spectrophotometer

Sr No. Equipment Name		Calibration		
01	UV	In House Calibration		

## Fine Particulate Sampler (SR No. 288-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3401	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



9-3067307 Piol No. 61, Paral Estato, Roll Magos, Voren, Alto, Old Beam Read, Bardez, Parvoitin, Panaji-Dos 403 101; Ston Stron, Irona (D) (BB07) 2x115227 2x11323 • E-mail: startabgon/Freddinskl.com.

the appreciant by MAEF A CC Value on to 03.11 2009 A Combined by ISC 9 DE 2015 A ISO 45001-2018.

STORE LEPTON STAME LIFE

		AMBI	ENTA	IR QUAI	LITY MONITORIN	NG REPO	RT		
Rep	ort Date	30/04/2	2022						
Name of Client M/s. Megawide C C/o GMR Goa in					ion DMCC al Airport Limited				
Add	ress of Client	Mopa, G	ba						
San	pling Plan	SEEPL/I	D/FM	r-54	Sampling Proceed	dure No.	SEEPL/QSI	2-10	
San	ple Collected	By SEEPL R	eprese	ntative			**********		
Mor	th of Sampling	g April 20	22						
				AMBIEN	IT AIR LOCATION				
Loc	ation of ambie	nt air station	Rajvi	l Wada To	rxem (Goa State) (G	A6)			
Average Ambient Temperature (°C) 32.2		32.2	Average Humidity (%)		63	Latitude	N 15º48'	10.0"	
Average Wind Speed (km/hr) 1.5			Average Wind direction (Deg)   224   Longitude   E 73°52'5					50.2"	
Inst	ruments Used		FPS(	APM-550)	RDS(APM-460) &G	PS (APM	-411)		
Sr. Date of			PARAMETERS						
No	Sampling	Report No.	eport No.	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM
1.	04/04/2022	SEE/AR/04/2022/	0083	78,77	27.78	4,74	11.73	0.06	108,3
2.	07/04/2022	SEE/AR/04/2022/	0161	34.64	11.39	<3.00	<6.00	0.03	46.70
3.	11/04/2022	SEE/AR/04/2022/	0221	53.05	16.84	3.93	14.53	0.05	74.45
4.	14/04/2022	SEE/AR/04/2022/	0307	32,78	10.81	6.49	9.21	0.05	44.96
5.	18/04/2022	SEE/AR/04/2022/	0351	43,65	19.79	<3.00	10.43	0.07	64.71
6.	21/04/2022	SEE/AR/04/2022/	0393	56.56	13.76	≈3.00	<6.00	0.08	72.52
7.	25/04/2022	SEE/AR/04/2022/	0428	40.69	19.84	<3,00	<6.00	0.05	62.73
8,	28/04/2022	SEE/AR/04/2022/	0473	32.40	11.31	4.04	12.08	0.05	56.45
	NAA	QS Limits*		100	60	80	B0	4	
		Units		jig/m³	µg/m³	µg/m³	ng/m³	mg/m³	pg/m
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	1S 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Patlade Margarit 2) Dipali Sawant @

Analyzed by

chopackar Varsha Pole Reviewed by

Anarideep Sawent Authorized Signatory

HEAD OFF, & LAB : Piet No. A-56, Road No. 11, Kloen Nagar Bood, M.L.D.C., Wagie Industrial Area. Thans - 400 904, Matanastrial Elain, India (P) (91-20) 2563 3321 (2563 3320 (2663 30 /2673 3024 E-mail profit activities on contract profit acceptance on Counter By Making of Environment, Forest & Climate Cheese, Clim (1) Index, E. C. Estz (B)

BRANCH OFF. M.O. Dempo Toyers, EDC Patto, Parint-405 001 Soa State, India (D. (0832) 2437048 (2837164 E-rail: sedekarenviraturan mail oon 1997 saas saas, mail sedekarenviraturan page 50 of 567

#### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	RDS- APM 460 BL(SR NO.1897-DTJ-2014)	LES-CCL/FF/MF/SC/1151	15/07/2021	14/07/2022	

#### **UV Spectrophotometer**

Sr No. Equipment Name		Calibration		
01	UV	In House Calibration		

### Fine Particulate Sampler (SR NO. 03-DTA-2017)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FP5 - AL 112	LES-CCL/FF/PM/SC/1107	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 81 DT L14)	20/11/2021	19/11/2022



11. 309/107, Plot No. 81, Pinel Calute, Knie Magos, Vernor, Alto, OM Herrit Royal, Bartier, Province, Principle Son 403, 101, Son State, India 90. 883(2):2411322 / 2411321 • E-moli cataloggo @molifical.com

SPETIME

Last according by MoEF's CC York as to 03,11,2623 # Cultifact by ISO 9001 2015 6 (90 4500) 2015

		AMBI	ENT A	IR QUAL	ITY MONITORIN	G REPO	RT		
Rep	ort Date	30/04/2	:022						
Nan	ne of Client				ion DMCC al Airport Limited				
Add	ress of Client	Mopa, G	50						
San	pling Plan	SEEPL/I	D/FM	r- 54	Sampling Proceds	ure No.	SEEPL/QSI	P-10	
Sam	ple Collected I	By SEEPL R	eprese.	ntative					
Mor	nth of Sampling	g April 20	22						
				AMBIEN	T AIR LOCATION				
Loc	ation of amble	nt air station	Satar	da(Mahari	ashtra State) (M-A1)				
Average Ambient Temperature (°C) 31.5		Average Humidity (%)		62	Latitude	N15º43'0	-		
Ave	rage Wind Spe	ed (km/hr)	1.7		Wind direction (Deg		Longitude	E 73/46'0	0.2"
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &GI	S (APM -	411)		
Sr.	Date of	Report No.	PARAMETERS						
No	Sampling	Roport No.		PMic	PM <sub>2.1</sub>	SO:	NOx	CO	SPM
1	04/04/2022	SEE/AR/04/2022/	0084	45.56	14.85	5.59	11.85	0.05	61.19
2.	07/04/2022	SEE/AR/04/2022/	01.62	18.29	7.49	<3.00	<6.00	0.03	26.05
3.	11/04/2022	SEE/AR/04/2022/	0222	54.49	20.38	3,35	8.98	0.07	76.69
4.	14/04/2022	SEE/AR/04/2022/	0308	40.15	8.32	<3.00	7.48	0.06	48.75
5.	18/04/2022	SEE/AR/04/2022/	0352	35.73	9.19	<3.00	7.68	0.03	45.39
6.	21/04/2022	SEE/AR/04/2022/	0394	43.40	18.80	<3.00	<5.00	0.05	6259
7.	25/04/2022	SEE/AR/04/2022/	0429	34.18	13.51	<3.00	6,39	0.06	48,98
8.	28/04/2022	SEE/AR/04/2022/	0474	21.85	7.82	<3.00	<6.00	0.06	30,27
	NAA	QS Limits*		100	60	80	180	4	- 4-
		Units		µg/m³	lig/m <sup>3</sup>	ng/m³	ug/m³	mg/m³	ug/m²
		Method		IS 5182( Part 23)	Lab SOP NO.: SEEA D/SOP.AA-04	(Part 02)	(S 5182 (Part (96)	IS 5162( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Part 23)

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

SEEAD/SOP-AA-04

(Part 02)

06)

: Test methods of analyzed parameters are back side of analysis report.

1) Akash Pattade

Analyzed by

Varstia Pole Reviewed by

Ahandeep Sawari Authorized Signatory

Part 10

Part (V)

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1901-DT)-2014)	LES-CCL/FF/MF/SC/1149	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 104-DTK-2012)

Sr No.	Equipment Name	Certificate No.	icate No. Calibrated on	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3402	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



II. 2007/107. Plot No. Ct. Plant Estate. Reis Margos, Versire. Alto. On Bellin Rosel, Barder, Program. Prepril Gree 405, 101 Sinc Date, form: (C) (0857) 94 H522 / 94 H 193 • E-mail: standages@redthinst.com

Lab research by MoEF & Cit. Value on to 43 to 2024 & Continue by ISO 9001 (3rd 4, ISO 45001, 2018)

SPACE LOFT UT SIMELO

		AMBI	ENT A	IR QUAL	ITY MONITORIN	G REPO	RT		
Rep	ort Date	30/04/2	022						
Name of Client M/s, Megawide Constr C/o GMR Goa Internat					ion DMCC al Airport Limited				
Add	lress of Client	Mopa, G							
San	ipling Plan	SEEPL/I	D/FM	- 54	Sampling Proceds	ire No.	SEEPL/QSI	-10	
San	ple Collected	By SEEPLR	eprese	ntative					
Mor	nth of Samplin	g April 20	22						
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Ding	na(Mahara	shtra State)(M-AZ)				
ALL CONTROL OF THE CO		32.0	Average Humidity (%)		64	Latitude	N 15º46'1	2.3"	
Ave	rage Wind Spe	ed (km/hr)	1.2	Average	Wind direction (Deg	264	Longitude	E 73049'2	0.5"
Inst	ruments Used		EPS(	APM-550).	RDS(APM-460) &CP	S (APM	411)		
Sr. Date of December 1			PARAMETERS						
No	Sampling	Report No.		PM <sub>t0</sub>	PM <sub>2,5</sub>	SO <sub>2</sub>	NOx	co	SPM
1.	04/04/2022	SEE/AR/04/2022/	0085	25.60	10.40	4.87	11.18	0.03	37.11
2.	07/04/2022	SEE/AR/04/2022/	0163	13.29	9.48	<3.00	<5.00	0.05	23,10
3.	11/04/2022	SEE/AR/04/2022/	0223	25.98	8.19	<3,00	12.46	0.06	35.01
4.	14/04/2022	SEE/AR/04/2022/	0309	51.35	16.84	5,18	2.64	0.07	70,57
5.	18/04/2022	SEE/AR/04/2022/	0353	42.69	17.71	<3.00	9.67	0.05	45.09
6.	21/04/2022	SEE/AR/04/2022/	the Street Section Section 1	36.77	11,10	<3.00	< 5.00	0.03	48.17
7.	25/04/2022	SEE/AR/04/2022/	0430	30.25	8.94	<3.00	<6.00	0.05	39.82
8.	28/04/2022	SEE/AR/04/2022/	0475	38.13	12.48	<3.00	<6.00	0.06	51.07
	NAA	QS Limits*		100	60	80	80	4	
		Units		µg/ m³	ug/m³	ug/m3	ng/m¹	mg/m³	µg/m²
		Method		1S 5182( Part 28)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	IS 5182 (Part 06)	IS 5182( Part 10)	Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade Matteul 2) Dipali Sawant

Analyzed by

hopderia Varsha Pole Reviewed by

Anenteep Sawaril

Authorized Signatory

# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 450 (SR NO. 1461-DTD-2009)	LES-CCL/FF/MF/SC/1154	15/07/2021	14/07/2022

#### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR No. 381-DTD-2016)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3399	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Lab accordition by MoEEF & CCC Volume to 65, \$1,2625 \$ Continue by (\$6,000 t 2016 & t50,45361, 2018)

SHIE KINTEN SWELIN

			AMBI	ENTA	IR QUAL	ITY MONITORIN	NG R	EPC	RT		
Rep	ort Date		30/04/2	022							
Nan	ne of Client					ion DMCC al Airport Limited					
Add	ress of Client		Mopa, Go	E							
San	ipling Plan		SEEPL/L	D/FM	r-54	Sampling Proceed	iure N	lo.	SEEPL/QSI	1-10	
San	ple Collected	Ву	SEEPL R	eprese	ntative						
Mor	oth of Sampling	g	April 202	22							
					AMBIEN	T AIR LOCATION					
Loca	ation of amble	nt air st	ation	Neta	rde(Mahar	ashtra State)(M-A3	)				
Ave	rage Ambient	Temper	ature [°C]	31.9	Average	Humidity (%)	1	4	Latitude	N 15/46'	1.7"
Ave	rage Wind Spo	eed (km	/hr]	1.4	Average	Wind direction (De	寫) 2	2.6	Longitude	E 73950'4	8.0*
Inst	ruments Used			FPS(	APM-550).	RDS(APM-460) &G	PS (A	PM-	-411)		
Sr.	Date of	- 1	Report No.				PARA	-	-		
No	Sampling	eee va	n the endant of	0004	PM <sub>10</sub>	PM <sub>2.5</sub>	SC	-	NOx	CO	SPM
1.	04/04/2022		R/04/2022/	-	35.19	15.14	5.0	-	9,52	0.05	5130
2.	07/04/2022	-	R/04/2022/		26.01	19.29	<3.		<6.00	0.05	45.44
3.	11/04/2022	SEE/A	R/04/2022/	0224	42.25	13,35	<3.	00	9,71	0.03	58.33
4.	14/04/2022	SEE/A	R/04/2022/	0310	35.13	14.93	3.7	1	<6.00	0.06	51.00
5.	18/04/2022	SEE/A	R/04/2022/	0354	41.01	15.09	<3.	00	6,99	0,05	56.60
6.	21/04/2022	SEE/A	R/04/2022/	0396	46.72	9.81	4.2	4	<6.00	0.03	57.67
75	25/04/2022	SEE/A	R/04/2022/	0431	36,88	12.64	<3.	0.0	≼6.00	0.07	50.18
8.	28/04/2022	SEE/A	R/04/2022/	0476	27.50	9,11	₹3,	00	< 6.00	0.05	36.97
	NAA	Q5 Limi	ts"		100	60	8	)	80	4	
		Units			ug/m²	ng/m <sup>a</sup>	ug/	m <sup>2</sup>	µg/m³	mg/m²	µg/m
		Method			IS 5182( Part 23)	Lab SOP NO. SEE/LD/SOP-AA-04	IS 5 (Part		13 5182 (Part 08)	IS 5182( Part 10)	13 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested,

- : Test results relate only to the condition prevailing at the time of sampling
- : This certificate may not be reproduced in part, without the permission of this laboratory.
- : Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report

: Test methods of analyzed parameters are back side of analysis report

1)Akash Pattade Moderate 2)Dipall Sawant Analyzed by Varsha Pole Reviewed by

Anangeep Sawant Authorized Signatory

#### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
01	RDS- APM 450 BL(SR NO.1719-DTI-2012)	LES-CCL/FF/MF/SC/1153	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

#### Fine Particulate Sampler (SR NO. 105-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Callbrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. DI DT L14)	20/11/2021	19/11/2022



B-300/907, Plot No. 61, Paral Estate, Rela Magos, Vennes, Also, Ori Berns Opini Hanter, Processor, Panaji Coo 400, 101 Goe State, India (O.: (0837) 241(3227 2411323 • E. mail: statiohgous@rodffinol.com

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	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/04/2022/0399	Date of	Issue	26/04/202	22
Name of Client	M/s. Megawide Construction C/o GMR Goa Internationa				
Address of Client	Mopa, Goa				
Sample Collected By	SEEPL Representative		Environmer	ital condition of Lab	
Date of Sampling	21/04/2022	Temperature(°C)	28.2	Humidity (%)	66
Analysis Started On	25/04/2022	Analysis Comple	ted On	26/04/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition pravailing at the time of sampling.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Authorized Signatory

## Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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I so observational try Market IA CAC visual type to the 12 2023 # Conditional by Market 2019 IA 1603 45001 - 2018

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	AMBIENT AIR QUA	ALITY MONITORING	REPORT			
Report No.	SEE/AR/04/2022/0398	Date of Issue		26/04/202	22	
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Mopa, Goa					
Sample Collected By	SEEPL Representative	Environmental condition of Lab				
Date of Sampling	21/04/2022	Temperature(°C)	28.2	Humidity (%)	68	
Analysis Started On	25/04/2022	Analysis Complete	26/04/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mopa Airport Premises)
Instruments Used	Organic Vapour Sampler

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	mad	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Susmita Kapdoskar Analyzed by Varsha Pole Reviewed by Anandeep Sawant Authorized Signatory

## Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	24-DTD-2015	EI/FF/3524	18/02/2022	17/02/2023



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Life in blooded by MAET 6 CC Valle to in 63. If 27/27 # Co (the Hy ISO 90013015 & ISO 45001-3018

	AMBIENT AIR QUA	ALITY MONITORING	REPORT			
Report No.	SEE/AR/04/2022/0397	SEE/AR/04/2022/0397 Date of Issue			22	
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Mopa, Goa	Mopa, Goa				
Sample Collected By	SEEPL Representative		Environmen	tal condition of Lab		
Date of Sampling	21/04/2022	Temperature(°C)	28.2	Humidity (%)	56	
Analysis Started On	25/04/2022	Analysis Completed On		sis Completed On 26/04/2022		

#### AMBIENT AIR LOCATION

Location of ambient air station	Mopa Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by

Anendeep Sawant Authorized Signatory

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BRANCH OFF. 1 310. Dompo Towors, EDC Partio, Partini 403 001. Con State, India (2) (0)(302) 2437164. L-mail: and electron of the mail: and electr

## Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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Eath-argunoilled by MAES & GC Valid to to 0.1 to 2020 a Contined by ISC 900 c20 in A ISO 45001 (2010

SAME SHOWN

	WORKPLACE NO	ISE LEVE	L MONITORING RI	EPORT	
Report No.	SEE/AR/04/2022/0185-0170 Date of Issue				11/04/2022
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited			
Address of Client	Mopa, Goa	Mepa. Goa			
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QS	P-10
Sample Collected By	SEEPL Representative			18	
Date of Sampling	07/04/2022	1,000			

Chemical Testing - Atmospheric Pollution

Sr. No.	Danast No.	Sampling Location	Noise in dB (A)	
or. NO.	Report No.	(From 1.0 meter off)	Day Time	
01.	SEE/AR/04/2022/0165	PTB (Level-0)	73.7	
02.	SEE/AR/04/2022/0166	PTB (Level-2)	77.1	
03.	SEE/AR/04/2022/0167	Hot Mix Plant	79.5	
04.	SEE/AR/04/2022/0168	HEMM (Surface Minor)	81.1	
05.	SEE/AR/04/2022/0169	PTW (Paver with Compaction)	79.8	
06.	SEE/AR/04/2022/0170	Screener (2000 CH-LHS)	77.9	

- Occupational Exposure Limit for noise as per OSHA is 90dB (A) TWA (8hrly).
- "dB(A) Leg denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.
- "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leq: It is the energy mean of the noise level over a specified period.

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report

Sahjivan Gawas Monitored by Varsha Pole Reviewed by

Anenteep Sawant Authorized Signatory

# Calibration Details of Equipment used for Sampling

#### Noise Level Meter No.1(A0913-1393)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01	Noise Level Meter	LES-CCL/MECH/SLM/346	18/07/2021	18/07/2022



11.308/907 Plot No. 81, Palai Eatrie, Russ Magos, Veron, Afo, CH Bullin Rusd, Spirite, Provinin, Parail Genef03 101, Gen State, India. (f) (0.532) 2411322 ( 341323 € Freit : startations@rectfreit com

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SHAC MARKET

	NOISE LEVEL M	ONITORING REPORT	
Report No.	SEE/AR/04/2022/0225-0226, 0338 0324, 0311, 0359, 0368, 0325, 036		27/04/2022
Name of Client	Mis. Megawide Censtruction DMC C/o GMR Gos International Airport		
Address of Client	Mona, Goa		
Sample Collected By	SEEPL Representative		
Sampling Plan	SEEPLALD/FMT-54	Sampling Procedure No.	SEEPL/QSP-10

Chemical Testing - Atmospheric Pollution

Sr.	Date of	Report No.	Statio	Zo	Sampling Location	Day Time Noise in dB(A)			Night Time Noise in dB(A)		
No	Monitoring	04(10)01	nID	ITO:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Lmin	Lmax	Leg	Lmin	Lmax	Log
1	11/04/2022	SEE/AR/04/2022/0225	G-N1	1	Mcpa Boundary	35.0	78.7	52.8	34.5	65.0	53 B
2	11/04/2022	SEE/AR/04/2022/0226	G-N2	- 6	Shamecheadvan Boundary	34.9	85.4	68.3	30,0	74.1	84.7
3.	17/04/2022	SEE/AR/04/2022/0338	G-N3	C	Nagzar	40,1	75,7	58.4	30.0	69.5	49.4
4.	12/04/2022	SEE/AR/04/2022/0242	G-N4	R	Purva Casarvarnem	31.1	62,1	49.6	30.0	60.9	39.0
5.	14/04/2022	SEE/AR/04/2022/0312	G-N5	R	Chandel	30.0	61.4	47.2	30.3	94.6	39.2
Ď.	16/04/2022	SEE/AR/04/2022/0324	G-NS	R	Khajne Amere Porscodem	30.0	74.3	48.0	30.C	53.3	39.0
7.	14/04/2022	SEE/AR/04/2022/0311	G-N7	R	Wackhand	32.0	69.5	46.6	31.7	53,8	39.5
8.	19/04/2022	SEE/AR/04/2022/0359	G-N8	C	Ray/ Wada Torxeni	40.4	65.7	54.8	33,5	67.9	47.2
ğ,	19/04/2022	SEE/AR/04/2022/0358	G-N9	Ç	Village Panchayat Tamboxem -Mope- Ugvern	34.2	74.5	58.6	30.0	60.4	49.5
10	16/04/2022	SEE/AR/04/2022/0325	M-N1	R	Satarda	30.0	72.5	48.9	30.0	53.41	39.0
11	20/04/2022	SEE/AR/04/2022/0361	M-N2	R	Dingna	30.0	59.9	47.7	30.0	00.3	28.6
12.	20/04/2022	SEE/AR/04/2022/0362	M-N3	R	Netarde	30.0	69.6	48.1	30.0	58.6	39.1

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schedule III of 'The Environment (Protection) Rules, 1985' are as follows:

Area Code	Category of Area	Lintits in dB(A) Leq		
nica coue	Category of Alea	Day Time	Night Time	
(A)	Industrial Avea (1)	75	70	
(B)	Commercial Area ( C )	65	55	
(C)	Residential Area ( R )	55	45	
(0)	Siferce Zone (S)	50	40	

Day time is reckoned in between 6.00am to 10.00pm and right time is reckoned in between 10.00pm to 5.00am.

- \*dB(A) Leg denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human heating. A "decibel" is a unit in which noise is measured.
- "A", in dB(A) Lag, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leg: It is the energy mean of the noise level over a specified period

Note: Monitoring has been done as per GPCB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested.

. Test results relate only to the condition prevailing at the time of sampling

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Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

SeriMen Gawas Monitored by Varsta Pola

Reviewed by

Agantaep Sawant Authorized Signatory

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BRANCH DFF. + 310, flemos Tower EDC Pate, Panaj-103 001, Gca State, India (2) (0832) 2437/04 (2437/04) Page 66 of 567 F-in-8 and strength of final flower in the first state of the come can a taken and transfer of the come can a taken and transfer of the come can a taken and transfer of the come can be come and transfer of the come can be come can be come can be come and transfer of the come can be come.

### Calibration Details of Equipment used for Sampling

#### Noise Level Meter No.1(A0913-1393)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01	Noise Level Meter	LES-ECT/MECH/SLM/346	18/07/2021	18/07/2022

### Noise Level Meter No.2 (A0114-1408)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01.	Noise Level Meter	LES-CCL/MECH/SLM/347	18/07/2021	18/07/2022



B-300/307 Foll No. 01, Pend Estate, Rets Magos, Verem, Alto, Okt Besim Rood, Benfey, Poventin, Panelj-Gee-405 101, God State, India (€) ((0837) 2411227 241132) ● E-mail: alettebgo: Ereddfinel.com

Labra properties by MARES & C.C. Manual up to 805 of 2673 at Caralless by ISC 9001-2010 A, 1921-5001-2018.

SPECIAL CONTRACT

	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/04/2022/326	Issue Date		20/04/	2022
Name of Client	M/s Megawide Construction C/o GMR Goa International				
Address of Cifent	Mopa, Goa				
Order / Reference	As per dated 14/04/2022	Environmental Condition of L	ab	Temp °C 28.2	Humidity % 64
Sampling point	Borewell 1				
Sample details	Ground Water	Date of collection		14/04.	2022
Sample Collected by	SEEPL Representative	Sample Received On		14/04	2022
Analysis Started On	14/04/2022	Analysis Completed C	în	20/04	2022
Sample Container	Glass bottles	Sample Quantity		5000	ml

Chemical	Toeting	ı
Ghennual	1 Gaunu	B.

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	рН	6.75		6.5 - 8.5	IS 3025 (Part 11)
2.	Turbicity	0.52	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable		Not Specified	APHA( 23°Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23ºEdition ) 2120 B
5.	Odour	Agreeable		Not Specified	APHA( 23º/Edition ) 2150 B
6,	Total Alkalinity	96.00	mg/Rt	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	150,00	mg/lit	500.00	(S 3025 (Part 16)
8.	Chlorides as CI	15.01	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>4</sub>	5.93	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit-	Not Specified	APHA( 23/dEdition ) 4500 S2F
11.	Total Hardness as CaCO <sub>3</sub>	84.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS-3025 (Part 34)
13.	Mineral oil	<01	mg/lit	0.50	Clause 6 of IS 3025 (Part 39)

1. Shreya Harmalkar

Anisha Parab Analyzed by Varsha Pole

Varsha Pole Reviewed By Ananteep Sawant Authorized Signatory

Report No.	SEE/04/2022/326	Issue Date	20/04/2022
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022
Analysis Started On	14/04/2022	14/04/2022 Analysis Completed On	
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorina	<0,20	mg/lit	0.20	(\$ 3025 (Part 26)
15.	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23 Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23rdEdition ) 5530-B C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23"Edition ) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23 Edition ) 5540 - C
letal.	Analysis				
20.	Aluminium as Al	< 0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/llt	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23	Calcium as Ca	15.23	mg/lit	Not Specified	APHA(23redition) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.10	mg/III	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	11.21	mg/lit	Not Specified	APHA( 23rdEdition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23rdEdition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	0.15	nig/lit	5.00	IS 3025 (Part 2)
31.	Sodium es Na	9.00	mg/lit	Not Specified	APHA( 234Edition ) 3120 B
32.	Potassium as K	7.00	mg/lit	Not Specified	APHA( 23rdEdition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

Shreya Harmalkar
 Anisha Pareb
 Analyzed by

chepde Kar Varsha Pole Reviewed By

Anarrosep Sewant Authorized Signatory

Raport No.	SEE/04/2022/326	Issue Date	20/04/2022
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022
Analysis Started On	14/04/2022	Analysis Completed On	20/04/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23=Edition ) 9221-B
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23**Edition ) 9221-G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Shreya Harmalkar
 Anlsha Parab
 Analyzod by

Varsha Pole

Reviewed By

Ananteep Sawant Authorized Signatory

				Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/022	2021/08/236	25/08/2021	26/08/2022
02.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022
03.	U V Spectrophotometer	Q/0166	: •:	Inhouse Calibration	
04.	ICP- OES	Q/162	E	Inhouse (	Calibration
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/D10	E2021/05/012	28/05/2021	28/05/2022



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ANALYSIS REPOR	RT FOR WATER SAMPLE			
SEE/04/2022/327	Issue Date		20/04/2022	
Mopa, Goa				
As per dated 14/04/2022	Environmental Condition of Lab		-	Humidity % 64
Borewell No. 2				
Ground Water	Date of collection		14/04/	2022
SEEPL Representative	Sample Received On		14/04/2022	
14/04/2022	Analysis Completed On	20/04/20		2022
Glass bottle + PVC Can	Sample Quantity		1000 mt + 4000ml	
	SEE/04/2022/327  M/s. Megawide Construction C/o GMR Gos Internations Mopa, Gos  As per dated 14/04/2022  Borewell No. 2  Ground Water  SEEPL Representative  14/04/2022	M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited  Mopa, Gos As per dated 14/04/2022 Environmental Condition of Lab Borewell No. 2 Ground Water Date of collection SEEPL Representative Sample Received On 14/04/2022 Analysis Completed On	SEE/04/2022/327 Issue Date  M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 14/04/2022 Environmental Condition of Lab Borewell No. 2  Ground Water Date of collection  SEEPL Representative Sample Received On  14/04/2022 Analysis Completed On	SEE/04/2022/327 Issue Date 20/04/  M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited  Mopa, Gos As per dated 14/04/2022 Environmental Condition of Lab Temp © C 28.2  Borewell No. 2  Ground Water Date of collection 14/04/ SEEPL Representative Sample Received On 14/04/ 14/04/2022 Analysis Completed On 20/04/

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Sr. No.	Parameter	Result	Unii	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.10	155.77	6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.69	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	3	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23×Edition ) 2120 B
5.	Odour	Agreeable		Not Specified	APHA( 23MEdition ) 2150 B
6.	Total Alkalinity	80.00	mg/lit	200,00	IS 3025 (Part 23)
7.	Total Dissolved Solids	142.00	mg/iil	500.00	IS 3025 (Part 18)
8,	Chlorides as CI	14.01	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO	<5,00	mg/it	200,00	IS 3025 (Part 24)
10,	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23 Edition ) 4500 SF
11,	Total Hardness as CaCO <sub>3</sub>	82.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13.	Mineral oll	<0.1	mg/lit	0.50	Clause 6 of IS 3025 (Part 39)

1. Shreya Harmalkar

2 Anisha Parab California

Varsha Pole
Reviewed By

Anandeep Sewant Authorized Signatory

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(India By Ministry of Engloyment Pulses & Christian Country Country (India) 8. (2-457 (India))

Report No.	SEE/04/2022/327	Issue Date	20/04/2022	
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022	
Analysis Started On	tarted On 14/04/2022 Analysis Completed On		20/04/2022	
Name of Client	M/s: Megawide Construction DN C/o GMR Goa International Air			

Chamical Tosting

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	(\$ 3025 (Part 26)
15.	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F-	<0.10	mg/lit	Not Specified	APHA( 23 <sup>2</sup> /Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23"Edition ) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 4500 GN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23mEdition ) 5540 - C
etal	Analysis				
20.	Aluminium as Al	<0.01	mg/III	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lil	0.01	IS 3025 (Parl 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	17.63	mg/lit	Not Specified	APHA(23 <sup>rd</sup> Edition) 3500Ca 8
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.10	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Ph	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	9,22	mg/lit	Not Specified	APHA( 23"Edition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA(:23°Edition.) 3120 B
29.	Mercury as Hg	<0.001	rng/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	0,12	mg/lit	5.00	IS 3025 (Part 2)
31	Sodium as Na	10.00	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
32.	Potassium as K	8.00	mg/lit	Not Specified	APHA( 23r/Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

1. Shreya Harmalkar Analyzed by

Vehopdekar Varsha Pole Reviewed By

Andropep Sawant Authorized Signatory

Report No.	SEE/04/2022/327	Issue Date	20/04/2022
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022
Analysis Started On	14/04/2022	Analysis Completed On	20/04/2022
Name of Client	Ws Megawida Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23#Edition ) 9221-5
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA(23ªEdition) 9221-G

Note: Test results related only to the sample tested
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: Celibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Shreya Harmalkar,
 Anisha Parab
 Analyzad by

Varsha Pole

Reviewed By

Anandeep Sewant Authorized Signatory

				Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibratio Due Date
01.	pH Meter	Q/022	2021/08/236	26/08/2021	26/08/2022
02.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022
03.	U V Spectrophotometer	Q/0166	7 <b>*</b> 1	Inhouse Calibration	
04.	ICP- OES	Q/162	(2)	Inhouse (	Calibration
05.	Microbiological Incubator (37°C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	28/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022



B-306/907 Plot No. R1, Palet Estate, Reis Magos, Verem. Alto, Old Beam Road, Bantos, Provolini, Panell-Gee 495 101 Goe State, India. (Ø7. (0932) 2411322 / 2411323 € E-molt : Manabgoe@reddfansl.com.

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COAST W

	ANALYSIS REPO	RT FOR WATER SAMPLE		
Report No.	SEE/04/2022/328	Issue Date	20/0	4/2022
Name of Client	Wis Megawide Construction Clo GMR Goa International		-1:	
Address of Client	Mopa, Gos			
Order / Reference	As per dated 14/04/2022	Environmental Condition of Lab	Temp ° C 28.2	Flumidity %
Sampling point	WTP-Treated			
Sample details	Treated Water sample	Date of collection	14/04/2022	
Sample Collected by	SEEPL Representative	Sample Received On	14/0	4/2022
Analysis Started On	14/04/2022	Analysis Completed On	20/0	4/2022
Sample Container	Glass bottle	Sample Quantity	5000 ml	

**Chemical Testing** 

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.32		6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.29	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable		Not Specified	APHA( 23/Edition ) 2160 8
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23*Edition ) 2120 B
5.	Odour	Agreeable	-	Not Specified	APHA( 23ºEdition ) 2150 B
6.	Total Alkalinity	24.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	63,00	mg/fit	500.00	IS 3025 (Part 16)
8,	Chlorides as CI-	16.01	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>4</sub>	<5.00	mg/Rt	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23*Edition ) 4500 S*F
11.	Total Hardness as CaCO:	30.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0.50	Clause 6 of IS 3025 (Part 39): 1991

Shreya Harmalkar
 Anisha Parab

Analyzed by

Varsha Pole Reviewed By

Artandeep Sawan: Authorized Signatory

Report No.	SEE/04/2022/328	Issue Date	20/04/2022
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022
Analysis Started On	14/04/2022	Analysis Completed On	20/04/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method		
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)		
15.	Nitrate as NOs	<1.00	mg/lit	45.00	IS 3025 (Part 34)		
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23"Edition ) 4500 F D		
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23mEdition ) 5530-B;C		
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23/Febbion ) 4500 CN -D		
19,	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23™Edition ) 5540 - C		
letal	Analysis						
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)		
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)		
22	Boron as B	<0.01	mgЛit	0.50	15 3025 (Part 2)		
23,	Caldium as Ca	6.40	mg/lit	Not Specified	APHA(23 Edition) 3500Ca B		
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)		
25,	Iron as Fe	0.03	mg/lit	1.00	IS 3025 (Part 2)		
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)		
27.	Magnesium as Mg	3,41	mg/llt	Not Specified	APHA( 23r/Edition ) 3500Mg B		
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B		
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)		
30.	Zinc as Zn	<0.01	mg/lit	5.00	IS 3025 (Part 2)		
31.	Sodium as Na	<1.00	mg/lit	Not Specified	APHA( 23*Edition ) 3120 B		
32:	Potassium as K	<1.00	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 3120 B		
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)		

Shreya Harmalkar
 Anisha Parab
 Analyzed by

Vchopdekar Varsha Pole Reviewed By

Agartheep Sawant Authorized Signatory

Report No.	SEE/04/2022/328	Issue Date	20/04/2022
Order / Reference	As per dated 14/04/2022	Sample Received On	14/04/2022
Analysis Started On	14/04/2022	Analysis Completed On	20/04/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23"Edition ) 9221-B	
35,	E coll at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA(23™Edifion) 9221-G	

Note: Test results related only to the sample tested.

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Shreya Harmalkar
 Anisha Parab
 Analyzed by

Vafsha Pole

Reviewed By

Anandeep Sawant Authorized Signatory

			Certificate No.	Calibratio	on Details
Sr. No.	Equipment Name	Equipment Id		Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/022	2021/08/236	26/08/2021	26/08/2022
02.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022
03.	U V Spectrophotometer	Q/0166		Inhouse Calibration	
04.	ICP- OES	Q/162		Inhouse Calibration	
05.	Microbiological Incubator (37°C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07,	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022



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Limit maximiliary by MoEF in CC Value up to 03.11.2023 if Quillied by ISO 9001-2015 € 100 45001 2016.

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	ANALYSIS REPO	RT FOR	WATER SAMPLE				
Report No.	SEE/04/2022/329		Issue Date	20/04/2		2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa Internations						
Address of Client	Mopa, Goa						
Order / Reference	As per dated 14/04/2022	Environmental Condition of Lab		Temp 9 C 28.2		Humidity %	
Side Fixerorane	THE POT GOLGO THIS WASEL					64	
Sampling point	V.N.C Colony						
Sample details	Drinking Water		Date of collection		14/04/2022		
Sample Collected by	SEEPL Representative		Sample Received On		14/04/2022		
Analysis Started On	14/04/2022		Analysis Completed On		20/04/		
Sample Container	Glass bottle		Sample Quantity			1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-8	
2.	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23"Edition) 9221-G	

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by

Varsha Pole Reviewed By

Annueep Sawent Authorized Signatory

21~		Manual Control		Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03,.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclaye	Q/010	E2021/05/012	28/05/2021	28/05/2022	



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Lab more than by MoEF & CC Value by to 03.11.2023 ★ Centract by ISO 2001.70 ft & ISO 45.001.2018

	ANALYSIS REPO	RT FOR WATER SAMPLE						
Report No.	SEE/04/2022/309	Issue Dato	2	20/04/2022				
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	Mopa, Goa	Mopa, Goa						
Order / Reference	As per dated 14/04/2022	Environmental Condition of Lab						
otacja jispatonos	the ber dotter This ager.	LITTED THE PROPERTY OF LESS	28.2	64				
Sampling point	R.R. Canteen							
Sample details	Drinking Water	Date of collection	14/04/2022					
Sample Collected by	SEEPL Representative	Sample Received On	14/04/2022					
Analysis Started On	14/04/2022	Analysis Completed On	2	20/04/2022				
Sample Container	Glass bottle	Sample Quantity	1	1000 ml				

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-B	
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-G	

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By Animoleep Sawent Authorized Signatory

416		22-12-1-12		Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	0.7003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological incubator (44.5 °C.)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022	



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	ANALYSIS REPO	RT FOR WATER SAMPLE					
Report No.	SEE/04/2022/330	SEE/04/2022/330 Issue Date					
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited						
Address of Client	Mopa, Goa						
Order / Reference	As per dated 14/04/2022	Environmental Condition of Lab	Temp ₹ C 28.2	Humidity % 64			
Sampling point	K.M.V Colony						
Sample details	Drinking Water	Date of collection	14/04/2022				
Sample Collected by	SEEPL Representative	Sample Received On	14/0	4/2022			
Analysis Started On	14/04/2022	Analysis Completed On	20/0	4/2022			
Sample Container	Glass bottle	Sample Quantity	7000	0 ml			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-8	
2	E coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-0	

Note: Test results related only to the sample tested.

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Sr. No.		Equipment Id		Calibration Details		
	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	28/08/2022	
04.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022	



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	ANALYSIS REPO	RT FOR WATER SAMPLE						
Report No.	SEE/04/2022/331	SEE/04/2022/331 Issue Date						
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	of Client Mopa, Goa							
Order / Reference	As per deled 14/04/2022	Environmental Condition of Lab	Temp 28	2 °C	Humidity % 64			
Sampling point	P.T.B							
Sample details	Drinking Water	Date of collection		14/04/2022				
Sample Collected by	SEEPL Representative	Sample Received On	14/04/2022		2022			
Analysis Started On	14/04/2022	Analysis Completed On	20/04/		2022			
Sample Container	Glass bottle	Glass bottle Sample Quantity						

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rt</sup> Edition ) 9221-B	
2.	E,coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 Edition) 9221 G	

Note: Test results related only to the sample tested

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		Equipment Id		Calibration Details		
Sr. No.	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	28/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022	



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	ANALYSIS REPO	RT FOR V	WATER SAMPLE						
Report No.	SEE/04/2022/332		Issue Date		20/04/2022				
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited								
Address of Client	Mopa, Goa	Mopa, Goa							
Order / Reference	As per dated 14/04/2022	Environmental Condition of Lab			p o C	Humidity %			
Autority Contribution	TANKAL ACMOS CROWNESSES	-come	morning a Straing of Table	28.2		64			
Sampling point	L.S.C. Colony								
Sample details	Drinking Water		Date of collection		14/04/2022				
Sample Collected by	SEEPL Representative		Sample Received On		14/04/2022				
Analysis Started On	14/04/2022		Analysis Completed On		20/04/	2022			
Sample Container	Glass bottle	Glass bottle Sa			1000 1	ml			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>st</sup> Edition ) 9221-8
2	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 Edition) 9221-G

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Anandeep Sawant **Authorized Signatory** 

Ceta Co		Equipment Id		Calibration Details		
Sr. No.	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03,.	Laminar Air Flow	Q/001	2021/08/234	28/08/2021	26/08/2022	
04.	Autoclave	Q/010	E2021/05/012	28/05/2021	28/05/2022	



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Lab according by MoEF's CC Valid or, b) (3.11.2023 a Confine) by ISO (60) (2016 & ISO 450011.) (18.

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/04/2022/322		Issuo Date	20/04/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mopa, Goa					
Order / Reference	No secolated at Intingen		market Countries of 1 to	Temp °C	Humidity %	
	As per dated 14/04/2022	Environ	mental Condition of Lab	28.2	64	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Inlet Water		Date of collection	14/04/2022		
Sample Collected by	SEEPL Representative		Sample Received On	14/04/2022		
Analysis Started On	14/04/2022		Analysis Completed On	20/04/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml		

Sr. No.	Parameters	Results	Unit	Method
1,	pH	5.70		APHA( 23 Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	960,00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	250.00	mg/lit	18 3025 (Part 44)
4.	Total Suspended Solids (TSS)	267,00	mg/lit	APHA( 23#Edition ) 2540-D
5.	Oil & Grease (O & G)	15.40	mg/lit	APHA( 23r/Edition ) 5520-O &G
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Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By **Authorized Signatory** 

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	0/019	E2021/05/015	28/05/2021	28/05/2022	
03.	BOD incubator	Q/002	E2021/05/014	28/05/2021	28/05/2022	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE					
Report No.	SEE/04/2022/323		Issue Date	20/04/20	22			
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited						
Address of Client	Mopa, Gos							
Out of Parkers	As per dated 14/04/2022 Enviro		and the second second second	Temp # C	Humidity %			
Order / Reference			nmental Condition of Lab	28.2	64			
Sampling Plan	SEEPL/LD/FMT-54	Sampli	ng Procedure No.	SEEPL/QSP-10				
Sampling point	STP							
Sample details	Outlet Water		Date of collection	14/04/2022				
Sample Collected by	SEEPL Representative		Sample Received On	14/04/2022				
Analysis Started On	14/04/2022		Analysis Completed On	20/04/2022				
Sample Container	Glass Bottle + PVC Can	1000 ml + 1000ml						

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	pH	6 63	~	5.5 - 9.0	APHA( 23°Edition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	164.00	m <u>a</u> /lit	250.00	APHA( 23rtEdition ) 5220-B
3.	Blochemical Oxygen Demand (27°C 3 day)(BOD)	22.91	mg/lit.	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	55.00	mg/lit	100.00	APHA( 23 <sup>rt</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	6.20	mg/lit	10.00	APHA( 23 Edition ) 5520-O &G

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Anangeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Mater	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2021/05/015	28/05/2021	28/05/2022	
03.	BOD incubator	Q/902	E2021/05/014	28/05/2021	28/05/2022	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



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Lab secreditarility MSEE 5, EC Valid anno 63.11 A.C.) & Contion by USC 960 (27) (6.4. USO 450) 7,018

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE					
Report No.	SEE/04/2022/324		Issue Date	20/04/20	22			
Name of Client		M/s Megawide Construction DMCC C/o GMR Goa International Airport Limited						
Address of Client	Mopa, Goa							
Delay / Deference	As per dated 14/04/2022 Enviro		mana intid Compillion of Tab	Temp <sup>∞</sup> C	Humidity %			
Order / Reference			nmental Condition of Lab	28.2	64			
Sampling Plan	SEEPL/LD/FMT-54	Samplin	ig Procedure No.	SEEPL/QSP-10				
Sampling point	STP (KMV)							
Sample details	Inlet Water		Date of collection	14/04/2022				
Sample Collected by	SEEPL Representative		Sample Received On	14/04/2022				
Analysis Started On	14/04/2022		Analysis Completed On	20/04/2022				
Sample Container	Glass Bottle - PVC Can	Sample Quantity	1000 ml +	1000ml				

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	6.20		APHA( 23 JEdition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	512.00	mg/lit	APHA( 23 Edition ) 5220-B
3	Biochemical Oxygen Demand (27°C 3 day)(BOD)	119.88	mg/lit	IS 3025 (Part 44)
4	Total Suspended Solids (TSS)	64.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 2540-D
6.	Oil & Grease (O & G)	8.80	mg/lit	APHA( 23 <sup>ul</sup> Edition ) 5520-C &G

Note: Test results related only to the sample tested.

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Troons Asmita Sawant Analyzed By

Varsha Pole Reviewed By

Agandeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment   Certificate No.		Calibration Date	Next Calibration Due Date	
01.	pH Moter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2021/05/015	28/05/2021	28/05/2022	
03.	BOD incubator	Q/002	E2021/05/014	28/05/2021	28/05/2022	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



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Lab according by kinds in CC Valid on to 32 11 2023 a Conflict by USC 9101 9105 & ISC 45001 2011

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/04/2022/325	Issue Date	20/04/20	22		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Mopa, Goa					
Order / Reference	As per dated 14/04/2022	Emileon	Environmental Condition of Lab		Humidity %	
Side Fronting	no por traise 14/04/2022 Elivi		injurial Continuity of Sau	28.2	64	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP (KMV)					
Sample details	Cutlet Water		Date of collection	14/04/2022		
Sample Collected by	SEEPL Representative		Sample Received On	14/04/2022		
Analysis Started On	14/04/2022		Analysis Completed On	20/04/2022		
Sample Container	Glass Bottle + PVC Can	Sample Quantity	1000 ml	+ 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Limits	Method
1	pH	6.62		5.5 - 9.0	APHA( 23 <sup>rt</sup> Edition ) 4500 H+-B
2	Chemical Oxygen Demand (COO)	40.00	mg/lit	50,00	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3	Blochemical Oxygen Demand (27°C 3 day)(BOD)	7.50	mg/lit	10.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	14.00	mg/lit	20,00	APHA( 23 <sup>M</sup> Edition ) 2540-D
5	Oll & Grease (O & G)	3,80	mg/lit	10.00	APHA( 23"Edition ) 5520-O &G
6.	Ammonia	2.80	mg/lit	5.00	APHA( 23rdEdition ) 4500 NH3B C
7.	Total Nitrogen ( as N)	7.87	mg/lit	10.00	APHA( 23rdEdition ) 4500 N-B

#### Microbiological Parameters

8. Feecal coliforms at 44.5°C for 24 hrs.	31	MPN Index/100ml	100	APHA ( 23"Edition ) 9221-E
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Note: Test results related only to the sample tested.

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1 Asmita Sawant

2 Anisha Parab (A

Analyzed By

Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

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				Calibratio	n Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Du Date
01.	pH Meler	0/062	2021/09/001	04/09/2021	04/09/2022
02.	Hot Air Oven	0,039	T2021/06/017	25/06/2021	26/06/2022
03.	COD Digester	Q/019	E2021/05/015	28/05/2021	28/05/2022
04.	BOD incubator	Q/002	E2021/05/014	28/05/2021	28/05/2022
05.	Microbiological Incubator (37 °C)	C/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C )	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoplaye	0/010	E2021/05/012	28/05/2021	28/05/2022



B-900007 Flot No. 61, Pose Estate, Rela Mages, Verent, Alia, Old Burra Used, Hardier, Prioritine, Paumi Use 401 1011, Gea State, India 10 : (0632) 2411:227-3411323 \* E-mail: statistic participations.

an according by MoEF A CC Visio up to 02.11.7023 ★ Carellard by (SC) 900 - 2015 A, 510-40001 - 2018

JAN THE

		AMB	ENT A	IR QUALIT	MONITOR	ING F	EPOR	T		
Rep	ort Date	01/06/20	22							
Nan	ne of Client			onstruction for the construction of the constr	MCC port Limited					
Add	lress of Client	Mopa Gos	a							
San	pling Plan	SEEPL/LE	FMT-	54 Sampling Procedure No.				EEPL/QSP-1	0	
San	iple Collected	By SEEPL Re	present	ative						
Mon	ath of Samplin	g May 2022								
				AMBIENT A	IR LOCATION					
Loc	ation of ambie	nt air station	Mopa	Boundary (C	oa State] (G-A	1.)				
Ave	rage Ambient	Temperature (°C)	31.9	Average III	umidity (%)		68	Latitude	N 15°45'S	51.10
Ave	rage Wind Spe	ed (km/hr)	1.9	Average Wind direction (Deg) 213			213	Longitude E 73056'32.4		
Inst	ruments Used		FPS(/	APM-550), RE	S(APM-460) &	GPS (A	IPM - 4	111)		
Sr.	Date of Report No. PARAMETERS									
No	Sampling	Report No.		PM <sub>10</sub>	PM2.5	S	0,	NOx	CO	SPM
1.	02/05/2022	SEE/AR/05/2022/	00009	56.18	26.86	4	31	10.04	0.07	85.31
2.	05/05/2022	SEE/AR/05/2022/	0134	64.08	22.62	3	30	5.46	0.08	80.48
3.	09/05/2022	SEE/AR/05/2022/	0196	87.45	36,22	5,	70	13.05	0.09	134,4
4.	12/05/2022	SEE/AR/05/2022/	0250	34.85	11.39	<3	.00	≺6.00	0.05	47.13
5.	16/05/2022	SEE/AR/05/2022/	0344	85.30	27.69	4	01	8.43	0.10	141.63
6.	19/05/2022	SEE/AR/05/2022/	0431	84.76	33.56	4	74	9.04	0.08	137.5
7.	23/05/2022	SEE/AR/05/2022/	0513	60.74	11.89	3	.83	10.98	0.09	75.39
8.	26/05/2022	SEE/AR/05/2022/	0561	B6.58	29.57	6	.65	11.22	0.11	123.0
9.	30/05/2022	SEE/AR/05/2022)	0627	75.83	23.74	6	.38	11.35	0.07	103.3
	NAA	QS Limits*		100	60		30	80	4	1
		Units		pg/ m <sup>a</sup>	μg/m³	μg	/m <sup>3</sup>	µg/m³	mg/m³	µg/m
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP- AA-04		32 (Parl 12)	IS 5182 (Perl 06)	IS 5182( Part 10)	IS 5182 Parl IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

Varsha Pole Reviewed by Anantheep Sawant Authorized Signatory

(IFAD OFF & LAB - Plot No. A.95, Read No. 16, Kourn Reger Food, M.J.D.C. Wagle Industrial Area. Thome - 100 604, Municipality, State, Industry) (91-23) 2563-3521 / 2563-3522 / 2563-3521

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### Calibration details of Equipment used for Sampling & Analysis

#### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO.2027-DTD-2016)	LES-CCL/FF/MF/SC/1145	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No. Equipment Name		Calibration		
01	UV	In House Calibration		

### Fine Particulate Sampler (SR NO. 991-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3772	24/09/2021	23/09/2022	

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



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Lab door what by MoSE A 100 Whit up to 0.1 11 2003 & Conducting USO 9001 2005 A 550 45001 (2005)

SPACILIFICAL SMAFLEY

	AM	BIENT AIR QU	IALITY MONITORING REP	ORT	
Report Date	01/06	01/06/2022			
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited			
Address of Client	Мора,	Mopa, Goa			
Sampling Plan	SEEPL	/LD/FMT-54	Sampling Procedure No.	SEEPL/QSP-10	
Sample Collected By	SEEPL	Representative			
Month of Sampling	May 2	May 2022			
		AMB	IENT AIR LOCATION		
Location of ambient air station Shem			mecheadyan Boundary(Goa State) (G-A2)		

		AMBIENT AIR LOCATION				
Location of ambient air station	Shemecheadvan Boundary(Goa State) (G-A2)					
Average Ambient Temperature ("C)	31.6	Average Humidity (%)	59	Latitude	N 15º42'06.1"	
Average Wind Speed (km/hr)	1.6	Average Wind direction (Deg)	232	Longitude	E 73º49'21,5"	
Instruments Used	FPS(A	PM-550), RDS(APM-460) &GPS (	APM -	411)		

Sr. No	Date of Sampling	Report No.	PARAMETERS						
			PMie	PM <sub>2.5</sub>	SO2	NOx	CO	SPM	
1.	02/05/2022	SEE/AR/05/2022/0010	32.63	19.71	5.88	9.04	0.03	53.56	
2.	05/05/2022	SEE/AR/05/2022/0135	44.84	18.21	3.53	<6.00	0.06	64,31	
3_	09/05/2022	SEE/AR/05/2022/0197	53.63	22.37	6.66	10.92	0.05	78.47	
4.	12/05/2022	SEE/AR/05/2022/0251	21.84	16.47	<3.00	< 6.00	0.03	39,14	
5.	16/05/2022	SEE/AR/05/2022/0345	37,76	19.59	<3.00	8.77	0.07	67.18	
6.	19/05/2022	SEE/AR/05/2022/0432	69.13	21.37	3.68	12.93	0.06	91.57	
7.	23/05/2022	SEE/AR/05/2022/0514	48.83	18,34	<3,00	8,19	0.08	68.62	
8.	26/05/2022	SEE/AR/05/2022/0562	41.57	24.28	4.01	14.07	0.07	67.92	
9.	30/05/2022	SEE/AR/05/2022/0628	50.87	21,79	6.55	14.47	0.05	75.03	
NAAQS Limits* Units		100	60	80	80	4	140		
		ng/ m <sup>2</sup>	μg/m <sup>2</sup>	µg/m³	μg/m³	mg/m³	µg/m³		
Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP AA-04	(Part 02)	IS 5182 (Part 06)	(S 5182) Part 10)	15.5182( Part IV)		

#### \*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Nalk

2) Dipali Sawant (2)

Analyzed by

Varsha Pole

Reviewed by

Anandtep Sawant **Authorized Signatory** 

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Coversed by Ministry at Environment, Parest & Climan Change, Gov. Oxfodia, % O. nov. (E)

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Page 106 of 567

# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 BL(SR NO.2028-DTD-2016)	LES-CCL/FF/MF/SC/1146	15/07/2021	14/07/2022

# UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

# Fine Particulate Sampler (SR NO. 992-DTI 2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3768	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



3-39N/307, Phi No. 81, Falui Eaute, Rais Mayer, Veren, Alie, Old Bellin Road, Buntez, Forecim, Fung-Com-101/101 See State India (C.: 10802) 211 (322) 3411373 \* Dimai: statisticos@rediffical.com

Lab accresional by MALE & CC Voted up to 01 to 2000 # Demostry ISO 000 to 0015 & ISO 48003 (2010)

Hv Litter SAVOUR

		AMB	ENT A	AIR QUA	LITY MONITORI	NG I	REPO	RT		
Rep	ort Date	01/96/	2022							
Nan	ne of Client				tion DMCC al Airport Limited					
Add	ress of Client	Mopa, G	oa							
Sam	pling Plan	SEEPL/	D/FM	T- 54	Sampling Procedu	re No	Ų.	SEEPL/QS	2-10	
San	ple Collected	By SEEPL F	eprese	ntative						
Moi	th of Sampling	g May 203	22							
				AMBIE	NT AIR LOCATION					
Loc	ation of amble	nt air station	Nagz	ar(Goa St	ate) (G-A3)					
Ave	rage Ambient	Temperature (°C)	31.2	Averag	e Humidity (%)		70	Latitude	N 15º45'3	7.3"
Ave	rage Wind Spe	eed (km/hr)	1.6	Averag	e Wind direction (f	eg)	225	Longitude	E 73º53'1	4.22"
Inst	ruments Used		FPS(	APM-550	, RDS(APM-460) &	GPS (	APM -	411)		
Sr.	Date of	Daniel No.				PAR	AMET	ERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>25</sub>	S	02	NOx	CO	SPM
1.	02/05/2022	SEE/AR/05/2022	/0011	36.31	19.05	₹3	.00	751	0.07	61.28
2	05/05/2022	SEE/AR/05/2022	/0136	39.18	17.42	<3	.00	8 15	0.06	56.79
3,	09/05/2022	SEE/AR/05/2022	/0198	45.24	20.46	4.	89	9.56	0.08	66.87
4.	12/05/2022	SEE/AR/05/2022	/0252	31.36	14.26	<3	.00,	<6,00	0.05	46.16
5.	16/05/2022	SEE/AR/05/2022	/0346	76.55	30.98	4.	48	7.71	0.06	114.4
Б.	19/05/2022	SEE/AR/05/2022	/0433	55.34	21.75	4	13	10,08	0.03	79.87
7.	23/05/2022	SEE/AR/05/2022	/0515	30.37	28.61	×3	.00	13.09	0.07	60.59
8.	26/05/2022	SEE/AR/05/2022	/0563	40.38	25.37	1	1.1	11.92	0.05	67.15
9.	30/05/2022	SEE/AR/05/2022			20.17	5	89	10.98	0.06	99.02
	NAA	QS Limits*		100	60	E	0	80	4	-
		Units		mg/ m <sup>3</sup>	µg/m³	ug	/m3	μg/m <sup>3</sup>	mg/m³	pg/m²
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04		182	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV)

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik 2) Dipall Sawant Will

Analyzed by

Varsha Pole

Reviewed by

Anandaep Sawant Authorized Signatory

HEAD OFF & LAB - FIN No. A 96, Rusel No. 16, Ricen Nacon Food, M.I.D.C. Wagio Indicates Area Thomas 400 604. Manuscafera State, India.

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310. Dempo Towers, FDC Fello, Panaji 403 001. Gos Stato. India (2): (0832) 24370487 2437184 Page 108 of 567

## Respirable Dust Sampler's with Gaseous Sampling

Sr No. Equipment Name		Certificate No.	Calibrated on	Calibration due date	
01	RDS- APM 460 (SR NO. 1902-DTJ-2014)	LES-CCL/FF/MF/SC/1148	15/07/2021	14/07/2022	

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3771	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



H-305/307, Plot No. 01. Peter Extent, No. Mogrio, Verrent, Ayto, Uni Britan Frond, Burrier, Provozen, Partial-Gate-905 101. Gate State, India. (2) . (0432) 34 14321 (2411) 23 • E-mail : stanta-county-oddfmail com SOME BUTTER

Lab according by MASE # CC Wild op to 05 11,2020 # Carolind by ISO bold cons & ISO 35901 12016

		AMBI	ENTA	IR QUA	LITY MONITORII	NG RI	PO	RT		
Rep	ort Date	01/06/2	022							
Nan	ne of Client				tion DMCC al Airport Limited					
Add	ress of Client	Mopa, G	oa.							
Sam	pling Plan	SEEPL/L	D/FM	1-54	Sampling Procedur	e No.		SEEPL/QSI	P-10	
Sam	ple Collected I	By SEEPLR	eprese	ntative						
Mor	th of Sampling	May 202	5							
			_	AMBIEN	IT AIR LOCATION					
Loca	ation of ambie	nt air station	Purv	a Casarvai	rnem (Goa State)(G-	A4)				
Ave	rage Ambient	Temperature (°C)	31.3	Averag	e Humidity (%)		55	Latitude	N 15041'4	1.9"
Average Wind Speed (km/hr) 1.4				e Wind direction (D	404	241	Longitude	E73050'1	5.6"	
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) &C	SPS (A	- M	411)		
Sr.	Date of	Report No.				PARA	MET	ERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	SO	2	NOx	co	SPM
1.	02/05/2022	SEE/AR/05/2022/	0012	37.80	10.44	3.9	Ó	7.43	0.05	50.10
2.	05/05/2022	SEE/AR/05/2022/	0137	43.15	21.08	<3.0	00	6.46	0.06	64.84
3.	09/05/2022	SEE/AR/05/2022/	0199	57.84	20,38	4.5	5	10.34	0.07	80.65
4.	12/05/2022	SEE/AR/05/2022/	0253	30.17	11.10	3.2	9	<6.00	0.03	41.75
5	16/05/2022	SEE/AR/05/2022/	0347	49.64	29.11	4.2	4	B.03	0.05	8Z.69
6.	19/05/2022	SEE/AR/05/2022,	0434	43,02	16,51	5.7	В	9.59	0.05	59,91
7.	23/05/2022	SEE/AR/05/2022/	0516	36.07	24,20	<3.0	10	14.71	0.03	62.80
8.	26/05/2022	SEE/AR/05/2022/		57.84	30.19	3.5	2	13.58	0.07	91.95
9.	30/05/2022	SEE/AR/05/2022/	0630	55.30	20.42	4.9	2	9.55	0.05	77,16
	NAA	QS Limits*		100	60	80		80	4	700
		Units		µg/ m³	pg/m²	(43/	mi <sup>j</sup>	ug/m³	mg/m²	µg/m³
	- 0	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	(S.51 (Part		IS 5182 (Part 06)	1S 5182( Part 10)	1S 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Aditya Nalk

2) Dipali Sawarit () Analyzed by

Varsha Pole

Reviewed by

Anandeep Sawant Authorized Signatory

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2. 191/27/25/25/21217/2563-3322 / 2563-3321 / 2563-3524 ● E-mail: per@escalescorpic.com / creat/ick = 6 (Egmin Accom dumined by Minter) of Emergrature. Forest & Compto Charles. Con Otherbull. E. C. 357 (E)

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310, Evrigo Towers, EDC Patto, Panajot03 991. Goa State, India 7. (0832) 2437048 / 2437184 Page 110 of 567 E-mail: nodel/convirous/convi

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1456-DTD-2009)	LES-CCL/FF/MF/SC/1157	15/07/2021	14/07/2022

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	ÜV	In House Calibration

## Fine Particulate Sampler (SR NO. 299-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3400	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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List against that by MoEF & CC whild up to 03 11 2023 \* Contiling by ISC 0001 2045 & UrC 45001 2048

		AMB	IENT A	IR QUA	LITY MONITORIN	IG RE	PORT		
Rep	ort Date	01/06/2	2022						
Nan	ne of Client		I/s. Megawide Construction DMCC /o GMR Goa International Airport Limited						
Add	ress of Client	Mopa, G	60						
San	ipling Plan	SEEPL/	D/FMT	r-54	Sampling Procedure	No.	SEEPL/QSP-	10	
San	ple Collected	By SEEPLR	eprese	ntative					
Mor	th of Sampling	g May 202	2	- 41 40	St. of the same				
				AMBIE	NT AIR LOCATION				
Loc	ation of ambie	nt air station	Khaji	ie Amere i	Porscodem (Goa Sta	te) (G-A	5)	,	
Ave	rage Ambient	Temperature (°C)	ature (°C) 30.9 Average Humidity (%) 68 Latitude N 15°40'38.						
Average Wind Speed (km/hr) 1.9 Average Wind direction (Deg) 216 Longitude E 73				E73946'2	E 73º46'21.2"				
Inst	ruments Used	4	FPS(	APM-550)	RDS(APM-460) &G	PS (API	4-411)		
Sr.	Date of	Report No.				PARAM	IETERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	302	NOx	CO	SPM
L	02/05/2022	SEE/AR/05/2022,	0013	21.60	10.47	<3.0	9.12	0.05	32.71
2	05/05/2022	SEE/AR/05/2022	0138	55.46	23.58	3.86	<6.00	0.07	79.92
3.	09/05/2022	SEE/AR/05/2022	0200	46,96	17.96	3.83	9.02	0.06	66.97
4.	12/05/2022	SEE/AR/05/2022	0254	29,10	18.85	<3.0	<6.00	0.03	40.18
5.	16/05/2022	SEE/AR/05/2022	0348	38.14	12.72	3.00	<6.00	0.05	52.26
6.	19/05/2022	SEE/AR/05/2022	0435	88,08	27.45	5,05	7.79	0.07	119,93
7.	23/05/2022	SEE/AR/05/2022,	0517	39.18	14.47	<3.0	0 11.34	0.03	54.18
8.	26/05/2022	SEE/AR/05/2022	0565	62.04	21.83	4.61	14.83	0.05	86.59
9,	30/05/2022	SEE/AR/05/2022	0631	44.76	17:59	<3.0	5.51	0.06	63.42
	NAA	QS Limits*		100	60	80	80	4	- ×
		Units		ug/ m²	µg/m²	ng/m	i <sup>2</sup> μg/m <sup>2</sup>	mg/m³	ng/m
	3	Method		IS 5182( Part 23)	Lab SOP NO SEE/LD/SOP-AA-04	IS 518 (Part 0		IS 5182[ Part 10]	Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Aditya Nalk

2)Dipali Sawant 186 Ho Analyzed by

Varsha Pole Reviewed by

Aperideep Sawant Authorized Signatory

HEAD DEF, A LAB : Piol No. A-30, Rend No. 16, Wester Negati Elond, M.I.D.C. Vergio industrial Arout There - 400 004. Matematica Black, India. (\* - (91-22) 2563 3321 / 2563 3322 / 2583 3323 / 7583 3534 • E-mail: pro@packwarenviro.com / pondsk-a-5@granit.com Bazatac By Minsoy of Episcoment Forest & Carona Charon, Surr Orinda, 9-0, 857 (E)

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## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1895-DTJ-2014)	LES-CCL/FF/MF/SC/1152	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR.No. 288-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3401	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



D-206/307, Plot No. 61, Polici Estate, Non-Magon, Verein, Alle, Old Bellin Tinus, Barduz, Poliviriin, Punali-Gon-605 101. Soc State, India 71 10832) 2411322 / 2411323 \* E-mail , scalategoodproud/instruction

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Lith according to MoDE & CC Valid up to 30 11 2020 # Cartifeed by ISC 9301 500 & 200 45001 1 2010

		AMBI	ENT A	IR QUAL	ITY MONITORIN	NG I	REPO	RT		
Rep	ort Date	01/06/2	022							
Nan	re of Client	Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited								
Add	lress of Client Mopa, Goa									
San	pling Plan	SEEPL/L	D/FM	r- 54	Sampling Proces	lare	No.	SEEPL/QSI	2-10	
San	ple Collected I	By SEEPLR	eprese	ntative						
Mor	th of Sampling	May 202	2							
				AMBIEN	T AIR LOCATION					
Loc	ation of ambie	nt air station	Rajvi	l Wada To	exem [Goa State][G-	-A6)				
Ave	rage Ambient	Temperature (°C)	31.1	Average	Humidity (%)		69	Latitude	N 159484	0.0"
Average Wind Speed (km/hr) 1.6 /				Average	Wind direction (De	g)	232	Longitude	E 73º52'5	0.2"
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G	PS (	APM-	-411)		
Sr.	Date of	Danied No.	PARAMET		TERS					
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>25</sub>	1	SO <sub>2</sub>	NOx	co	SPM
1	02/05/2022	SEE/AR/05/2022/	0014	46.30	16.88	- 4	.43	7.66	0.08	64.08
2.	05/05/2022	SEE/AR/05/2022/	0139	40.14	25.45	Z.	3.00	7.10	0.05	57.97
3.	09/05/2022	SEE/AR/05/2022/	0261	54.88	23.87	7	38	11.56	60.0	80.07
4.	12/05/2022	SEE/AR/05/2022/	0255	33.26	9.81	K	3.00	<6.00	0.06	43.64
5.	16/05/2022	SEE/AR/05/2022/		57.73	21.50	4	.66	8.79	0.05	81,60
6.	19/05/2022	SEE/AR/05/2022/		54.86	20.71	- 2	36	10.33	0.05	76.89
7.	23/05/2022	SEE/AR/05/2022/	0518	33.11	13.68	4	3.00	15.28	0.03	48.39
8.	26/05/2022	SEE/AR/05/2022/	0566	40,99	23.41	- 8	.09	11.60	0.06	65.63
9.	30/05/2022	SEE/AR/05/2022/	0632	45.45	19.21	- 35	57	11.08	0.05	66.05
	NAA	QS Limits*		100	60		80	80	4	-
		Units		μg/ m <sup>3</sup>	μg/m <sup>3</sup>	14	5/ m <sup>3</sup>	ng/m³	mg/m³	µg/m
	7)	Method		IS 5182( Part 23)	Leb SOP NO.; SEE/LD/SOP-AA-04		5182 art 02)	IS 5182 (Part 06)	18 5182( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Nalk 2) Dipail Sawant South Analyzed by

Varsha Pole Reviewed by

Ananyeep Sawant Authorized Signatory

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110, Compe Towers, EDC Patto, Panaji-403 001 Goa State, India (C) (0832) 2437048 / 2437164

E-mail: =20ks invited healthall com • Win all • \*\*\*\*\* \*\*\*\* CIN - U45300MH (R089TC - 1109T0 114 of 567

# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM-460 BL(5R NO.1897-DTJ-2014)	LES-CCL/FF/MF/SC/1151	15/07/2021	14/07/2022

### UV Spectrophotometer

5r No. Equipment Name		Calibration	
01	UV	In House Calibration	

# Fine Particulate Sampler (SR NO. 03-DTA-2017)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - AL 112	LES-CCL/FF/PM/SC/1107	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



B 300007, Plu No. 01, Food Eastin, Teru Mogue, Verson, Arti, Citi Balim Florid, Banarz, Potyvnim, Food God-103 fbt. God Salar, India: 🗹 - (BRS) 2411327 / 3411329 E-mili : statub-congresificad coru 3(4), (1X(1),)

Leb accordited by MoSE & CC Volctup to 03 11,2923 a Derblind by 100 Bho (2015 & 010 4900) 1 2010

		AMB	ENTA	IR QUAL	ITY MONITORIN	IG REP	ORT		
Rep	ort Date	01/06/3	2022						
Nan	ne of Client		M/s, Megawide Construction DMCC C/o GMR Goa international Airport Limited						
Acle	ress of Client	Mopa, G	Лора, Бол						
Sam	pling Plan	SEEPL/	D/FM	D/FMT- 54 Sampling Procedure No. SEEPL/QSF-10					
Sam	ple Collected	By SEEPL F	eprese	ntative					
Mor	th of Sampling	g May 202	22						
				AMBIEN	T AIR LOCATION				
Loc	ation of ambie	nt air station	Satar	da(Mahara	ashtra State)(M-A1)		4	1	
Ave	rage Ambient	Temperature (°C)	32.0	Average Humidity (%) 68 L			Latitude	N15943'0	1.3"
Ave	rage Wind Spe	ed (km/hr)	1.4	Average Wind direction (Deg) 216 1			Longitude	E 73º46'0	0.2"
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G	PS (APM	1-411)	0 1	
Sr.	Date of	not the fire		PARAMET			ETERS		
No	Sampling	Report No.	eport No.		PM <sub>2.5</sub>	SOz	NO <sub>x</sub>	co	SPM
1.	02/05/2022	SEE/AR/05/2022	/0015	29.51	14.64	4.27	8.09	0.05	45.1.7
2	05/05/2022	SEE/AR/05/2022	/0240	38.76	15.76	<3.00	<6.00	0.03	56.67
3.	09/05/2022	SEE/AR/05/2022	/0202	34 92	9.02	<3.00	615	0.06	46.16
4.	12/05/2022	SEE/AR/05/2022	/0256	17.94	7.98	<3.00	<6.00	0.03	26.66
5.	16/05/2022	SEE/AR/05/2022		36.16	19.79	< 3.00	7.95	0.05	55.96
6.	19/05/2022	SEE/AR/05/2022		53.64	72.21	<3.00	11.43	0.06	77.03
7.	23/05/2022	SEE/AR/05/2022		23.22	8.73	<3.00	11.89	0.03	32.63
8.	26/05/2022	SEE/AR/05/2022	/0567	38.30	21.58	4.64	8.95	0.07	60.8
9.	30/05/2022	SEE/AR/05/2022		49.63	15,34	<3.00	8.69	0.05	65.65
	NAA	QS Limits*		100	60	80	80	4	14
		Units		µg/m <sup>t</sup>	ug/m³	ug/m <sup>3</sup>	µg/m³	mg/m³	jig/m
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	3 5182  Part 02		(\$ 5182) Part 10)	13.518 Part N

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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. Test methods of analyzed parameters are back side of analysis report,

1)Aditya Naik

Analyzed by

Varsha Pole Reviewed by

Anarosep Sawant Authorized Signatory

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110, Dempto Towers, EDC Fatto, Parisij 483 001. Com State, India & (0832) 2497048 / 2487104. Page 116 of 567 Empli saddets www.mids.com \* Website www.mids.com \* CIN - 048309MH (008970). Page 116 of 567

# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01		LES-CCL/FF/MF/SC/1150	15/07/2021	14/07/2022

### **UV Spectrophotometer**

Sr No. Equipment Name		Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 104-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3402	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



to 300/SUF, Plot No. 111, Pobel Estate, Rein Magon, Veroin, Arto, Old Bellim Fland, Bajanic, Ponvirlin: Funal-Goo-403 101. Son State, Inche. (2): (DRS2) 2411222 | 2411253 \* E-mail: interful-googground/mail.com

Eab according by MoSE & CC Valid up to 33 11 2020 + Certified by 1021 Visit Off 5 & 843 45401 1 2010

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		AMB	ENT A	IR QUAL	ITY MONITORIN	G REP	ORT		
Rep	ort Date	01/06/2	2022						
Nan	ne of Client	M/s, Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	Dit.						
Sam	pling Plan	SEEPL/	D/FM	1-54	Sampling Proced	ure No.	SEEPL/QS	P-10	
Sam	ple Collected I	By SEEPLE	eprese	ntative					
Mor	th of Sampling	May 207	22						
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Ding	na(Mahara	shtra State)(M-A2)				
Ave	rage Ambient	Temperature (°C)	31.7	Average	Humidity (%)	70	Latitude	N 15046'1	2.3"
Average Wind Speed (km/hr) 1.5			Average	Wind direction (Deg	236	Longitude	E 73049'2	0.5"	
Inst	ruments Used		FPS(	APM-550).	RDS(APM-460) &G	PS (APM	-411)		
Sr.	Date of	W-0.54.	PARAMETERS						
No	Sampling	Report No.	port No.		PM <sub>2.5</sub>	SO	NOx	co	SPM
1.	02/05/2022	SEE/AR/05/2022	/0016	52,82	17.13	3,58	<6,00	0.05	70.37
2.	05/05/2022	SEE/AR/05/2022	/0141	32.32	14.51	<3.00	8.55	0.03	47.31
3.	09/05/2022	SEE/AR/05/2022	/0203	38.36	19.09	6.37	1.1.28	0.06	57.90
4.	12/05/2022	SEE/AR/05/2022	100.00	20,41	10,73	<3.00	<6.00	0.05	31,35
5.	16/05/2022	SEE/AR/05/2022		52:85	29.57	<3.00	6.51	0.03	83.50
6.	19/05/2022	SEE/AR/05/2022	-	62.86	22.83	3.99	13.04	0.06	B6.76
7.	23/05/2022	SEE/AR/05/2022		39.48	12.23	<3.00	16,78	6.05	52.51
8.	26/05/2022	SEE/AR/05/2022	0568	43.55	18.26	<3.00	12.08	0.03	62.83
9.	30/05/2022	SEE/AR/05/2022	0634	39.70	14.60	7.45	11,30	0.06	55,13
	NAA	QS Limits*		100	60	80	80	4	-
		Units		μg/m²	μg/m³	µg/m³	μg/m²	mg/m³	ug/m
Method			IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02	1S 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV	

"NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

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. Test methods of analyzed parameters are back side of analysis report.

1)Aditya Nalk A

2)Dipali Sawant Coult Analyzed by

Varsna Pole

Reviewed by

Ananteep Sawant Authorized Signatory

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# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- CEIS 121(SR NO.01-DTB-2017)	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

# **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 110-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - APM 550 MINI	EI/FF/3540	18/02/2022	17/02/2023	

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



B-205/307, Plot No. 91, Fillel Emays, Rise Magos, Verbin, Ato, CEL Bullin Road, Bantoz, Physorian, Philaph Co. 403, 1614. Georgania India: (C., (08:2) 24:1527 / 24:1525 \* E-mail: standadona@in official com

Lab according to \$4.61 A CVC Wind up to 03 ht 2000 a Carthoring ISD Win third to 45 CARDON 2018

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		AMBI	ENTA	IR QUAL	ITY MONITORIN	IG REPO	RT		
Rep	ort Date	01/06/2	022						
	ne of Client	Client M/s: Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Мора, Б	Dil.						
Sam	pling Plan	SEEPL/I	D/FM	r- 54	Sampling Proced	lure No.	SEEPL/QSI	P+10	
Sam	ple Collected 1	By SEEPL R	eprese	ntative					
Mor	ith of Sampling	May 202	2						
			V	AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Neta	rde(Mahar	ashtra State) [M-A3]	)			
Average Ambient Temperature (°C) 30.8			30.8	Average	Humidity (%)	71	Latitude	N 15°46"	1.7"
Average Wind Speed (km/hr) 1.3			Average	Wind direction (De	g) 242	Longitude	E 73050'4	8.0"	
Instruments Used FPS(			APM-550),	RDS(APM-460) &G	PS (APM	- 411)			
Sr.	Date of	Report No.	anort No			PARAMETERS			
No	Sampling	7,00		PM10	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM
1.	02/05/2022	SEE/AR/05/2022/	0017	34.46	26.95	3,38	7.44	0.03	62.20
2	05/05/2022	SEE/AR/05/2022/	0142	31.78	16.84	<3.00	<6.00	0.05	68.79
3.	09/05/2022	SEE/AR/05/2022,	0204	22.67	20.87	<3.00	6,06	0.06	43.73
4	12/05/2022	SEE/AR/05/2022,	0258	25.71	18.30	<3.00	<6.00	0.05	44.39
5.	16/05/2022	SEE/AR/05/2022,	0352	54.11	30.36	3.10	9.27	0.07	87.96
6.	19/05/2022	SEE/AR/05/2022)	0439	34.75	14.39	<3.00	<6.00	0.03	49.88
7.	23/05/2022	SEE/AR/05/2022,	0521	32.77	10.94	<3.00	14.33	0.05	45,43
8.	26/05/2022	SEE/AR/05/2022,	0569	16.59	26.90	6.95	11.94	0.06	73.77
9.	30/05/2022	SEE/AR/05/2022,	0635	49.96	22.70	5.01	12.11	0.07	72,90
	NAA	QS Limits*		100	60	BO	80	4	191
		Units		μg/ m <sup>3</sup>	μg/m³	Err/ga	μg/m <sup>3</sup>	mg/m³	ag/m
Method				1S 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	(Part 02)	IS 5182 (Part 06)	(3.5162( Part 10)	15 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

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1)Aditya Naik 2)Dipaii Sawantalo

Analyzed by

Varsha Pole Reviewed by Anandeep Sawant Authorized Signatory

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(2) (21-22) 1583-5321 (2583-5322 (2583-5322 (2583-5232 (258

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310, Dempo Towers, EDC Raibs, Paris =103,001. Can State, India 2): (0852) 2437648 / 2437164 Page 120 of 567

# Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
01	RDS- APM 460 BL(SR NO.2024-DTD-2016)	LES-CCL/FF/MF/SC/1144	15/07/2021	14/07/2022

# UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 105-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



B-306/007, Plot No. 61, Pero Estato, Rois Mayes, Venen, Alto, Clu Sallin Fored, Bandoz, Pervenint, Pinnin-Gra-407 101. Gog-State, India: (C) ; (0032) 2411321 | S411323 \* E-mail: startopgos/9rentfinel.com

WASHINGTON STACLIES.

Left Approach to a Mod. F. A. C.C. Valet up to (b) 11. 9552 4 (Section by ISD 9001-0015 A ULL 49891 - 2015

	NOISE LEVEL MON	ITORING REPORT	
Report No.	SEE/AR/05/2022/0259-0260, 0289-02 0398: 0353, 0536, 0527, 0399, 0528,		30/05/2022
Name of Client.	M/s. Megawide Construction DMDC C/o GMR Gos International Airport Lin	nited	
Address of Client	Muna, Goa		
Sample Collected By	SEEPL Representative		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.	SEEPL/QSP-10

Chemical Testing - Atmospheric Pollution

Date of	Wenort No.	20	Sampling Location	Day Time Noise in dB(A)			Night Time Noise in dB(A)			
Monitoring	, appring	nID	u.o	2310 part 2 244 357 20	Lmin	Lines	Leq	Lmin	Lmax	Leg
12/05/2022	SEE/AR/05/2022/0259	G-N1	1	Mopa Boundary	30.1	76.4	58.4	30.3	65,3	53.7
12/05/2022	SEE/AFV05/2022/0260	G-N2	j)	Shemecheadvan Boundary	31.1	78.3	62.5	31.0	73.1	59.6
15/05/2022	SEE/AR/05/2022/0289	G-N3	C	Nagzar	30.0	72.5	58.7	31.4	55.2	47.0
15/05/2022	SEE/AR/05/2022/0290	G-N4	R	Purva Casarvamam	32:3	60.2	48.3	30.0	63,1	39.5
18/05/2022	SEE/AR/05/2022/0354	G-NB	R	Chandel	30.3	62.7	47,1	30.0	61.7	38,9
18/05/2022	SEE/AR/05/2022/0398	GANIS	R	Khajne Amere Porscodem	33,4	70.1	45.6	30.0	61.3	37.7
18/05/2022	SEE/AR/06/2022/0353	G-N7	R	Warkhand	39,5	71.5	47.3	20.0	53.7	38.2
25/05/2022	SEE/AR/05/2022/0538	G-N8	12	Rajvil Wada Torxem	32.2	79.9	56.2	34.1	63.4	45.6
24/05/2022	SEE/AR/05/2022/0527	G-N9	C	Village Parichayat Tamboxem -Mopa- Ugvern	33.2	74.2	53.5	30.6	58,5	44.8
18/05/2022	SEE/AR/05/2022/0399	M-N1	R	Satarda	312	77.2	48.1	32.1	50.7	38.8
24/05/2022	SEE/AR/05/2022/0528	M-N2	R	Dingna	30.0	76,1	47.9	30.0	60.2	37.5
25/05/2022	SEE/AR/05/2022/0537	M-N3	R	Netarde	31.7	69.5	47.4	30.1	59.7	39
	Monitoring 12/05/2022 12/05/2022 15/05/2022 15/05/2022 18/05/2022 18/05/2022 25/05/2022 24/05/2022 24/05/2022	Monitering  12/05/2022 SEE/AR/05/2022/0259  12/05/2022 SEE/AR/05/2022/0259  15/05/2022 SEE/AR/05/2022/0289  15/05/2022 SEE/AR/05/2022/0280  16/05/2022 SEE/AR/05/2022/0398  18/05/2022 SEE/AR/05/2022/0353  25/05/2022 SEE/AR/05/2022/0538  24/05/2022 SEE/AR/05/2022/0527  18/05/2022 SEE/AR/05/2022/0527	Monitoring Report No. h 1D  12/05/2022 SEE/AR/05/2022/0259 G-N1  12/05/2022 SEE/AR/05/2022/0259 G-N1  15/05/2022 SEE/AR/05/2022/0289 G-N2  15/05/2022 SEE/AR/05/2022/0289 G-N4  16/05/2022 SEE/AR/05/2022/0354 G-N5  18/05/2022 SEE/AR/05/2022/0358 G-N5  18/05/2022 SEE/AR/05/2022/0358 G-N7  25/05/2022 SEE/AR/05/2022/0358 G-N8  24/05/2022 SEE/AR/05/2022/0527 G-N9  18/05/2022 SEE/AR/05/2022/0528 M-N1  24/05/2022 SEE/AR/05/2022/0528 M-N1	Monitoring   Report No.   n   D   ne	Monitoring   Report No.   n   D   no   Sampling Location     12/05/2022   SEE/AR/05/2022/0259   G-N1   I   Mopa Boundary     12/05/2022   SEE/AR/05/2022/0260   G-N2   I   Shemecheadvan Boundary     15/05/2022   SEE/AR/05/2022/0289   G-N3   C   Nagzar     15/05/2022   SEE/AR/05/2022/0280   G-N4   R   Purva Casarvamam     16/05/2022   SEE/AR/05/2022/0354   G-N5   R   Chandel     18/05/2022   SEE/AR/05/2022/0358   G-N5   R   Khajire Amere Porscodem     16/05/2022   SEE/AR/05/2022/0358   G-N7   R   Warkhand     25/05/2022   SEE/AR/05/2022/0538   G-N8   D   Rajvil Wada Torxem     24/05/2022   SEE/AR/05/2022/0527   G-N9   D   Tamboxem -Mopa- Ugvem     18/05/2022   SEE/AR/05/2022/0399   M-N1   R   Satarda     24/05/2022   SEE/AR/05/2022/0528   M-N2   R   Dingna	Date of Monitoring	Date of Monitoring	Date of Monitoring   Report No.   Static No.   Sampling Location   Limin   Limix   Leq	Date of Monitoring	Date of Monitoring

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Datases of King	Limits in d	IB(A) Loq
Category of Area	Day Time	Night Time
Industrial Area (1)	75	70
Commanual Area (C)	65	55
Residential Area (R)	55	45
Silence Zone (S)	50	40
	Commercial Area (C.) Residential Area (R.)	Day Time

Day time is reckoned in between 6.00am to 10.00pm and night time is reckoned in between 10.00pm to 6.00am.

- "dB(A) Leg denotes the time weighted average of the level of sound in decibets on scale A which is relatable to human hearing. A "decibet" is a unit in which noise is measured.
- "A", in dB(A) Leg, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the

Leg: It is the energy mean of the noise level over a specified period

Note: Monitoring has been done as per GPOB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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177ah Gawas Monitored by

hopdekin Varsha Pole

Reviewed by

leep Sawant Authorized Signatory

HEAD OFF, & LAB : For No. A US, Road No. 16, Klean Noper Road, M.LD.C., Wages Industrial Area, There 400, 604, Manufashers Betry, India. (91-72) (583 3451 (2002) 3372 / 2583 3373 / 2580 1374 » 6-mail - programment reports com / pradeter-5/9gmail com Constant Dy Ministry of Environment, Forest & Climate Change, Good Office to, S. O. 657 (C)

BRANCH OFF : 310, Dempti Towers, EDC Paris, Pana J-403,001, Gour State, India 21: (0832) 24/37048 / 24/57104

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## Calibration Details of Equipment used for Sampling

# Noise Level Meter No.1(A0913-1393)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01	Noise Level Meter	LES-CCL/MECH/SLM/346	18/07/2021	18/07/2022

# Noise Level Meter No.2 (A0114-1408)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01	Noise Level Meter	LES-CCL/MECH/SLM/347	18/07/2021	18/07/2022



IS-205/307, Plot No. 81, Fisiel Estate; Ross Mogus, Verom, Alfo, Old Hellin Head, Banduz, Forverini, Fisial Guard 2: 101. Sou State India. (D. (6832) 2471322 | 2411323 • E-r at atabassou@restfinal.com

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	AMBIENT AIR QUA	ALITY MONITORING	REPORT			
Report No.	port No. SEE/AR/05/2022/0205 Date of Issue		16/05/202	22		
Name of Client		M/s, Megawide Construction DMCC C/o GMR Goa international Airport Limited				
Address of Client	Mopa, Goa					
Sample Collected By	SEEPL Representative		Environmen	ital condition of Lab		
Date of Sampling	09/05/2022	Temperature(°C)	28.1	Humidity (%)	65	
Analysis Started On	12/05/2022	Analysis Completed On 15/05/2022				

### AMBIENT AIR LOCATION

Location of ambient air station	Mopa Boundary (Goa State)
Instruments Used	Organic Vapour Samp'er

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Authorized Signatory

HEAD OFF, & LAB | Plot No. A 95, Read No. 15, King Nagar Food, M.I.O.C. Wagie Industrial Area, Thoma- 400 604. Memarasiyra Dissa, India. (\*) (91-29) 2520 3321 / 2563 3327 / 2563 3327 / 2563 3327 / 2580 E-mil | printsadebareners com | printsadebareners Classified By Mersicy of Environment, Found & Clarice Literape, Good Offenda, in Cl. 257 (6)

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# Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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Lab accordibed by MeET 5 CG Valid or to 03 Tr 2023 & Certified by IEG 100 (12015 & ISO 45001 12018

	AMBIENT AIR QUA	ALITY MONITORIN	G REPORT				
Report No.	SEE/AR/05/2022/0206	Date	Date of Issue		22.		
Name of Client		Ws. Megawide Construction DMCC C/o GMR Goa international Airport Limited					
Address of Client	Mopa, Goa						
Sample Collected By	SEEPL Representative		Environmen	ital condition of Lab			
Date of Sampling	09/05/2022	09/05/2022 Temperature(°C) 28.1 Humidity (%) 65					
Analysis Started On	12/05/2022	Analysis Completed On		16/05/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mopa Airport Premises)
Instruments Used	Organic Vapour Sampler

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Anantiesp Sawant Authorized Signatory

# Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	24-DTD-2016	EI/FF/3524	18/02/2022	17/02/2023



B.305/S07, Plot No. 61, Patel Estato, Rev. Mogor, Veron, Alio, Oto Boller Rand, Bandez, Porvious, Panal) Gr. 205 (01). Geo State, John 37 (0402) 24:1322 | 2411325 • E-mail stability magnetitimal part SANCTHER.

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	AMBIENT AIR QUA	ALITY MONITORING	REPORT				
Report No.	SEE/AR/05/2022/0207	Date of I	Date of Issue		22		
Name of Client		Ws. Megawide Construction DMCC C/o GMR Goa international Airport Limited					
Address of Client	Мора, Goa	Mopa, Goa					
Sample Collected By	SEEPL Representative	19	Environmen	tal condition of Lab			
Date of Sampling	09/05/2022	09/05/2022 Temperature(°C) 28.1 Humidity (%) 65					
Analysis Started On	12/05/2022	Analysis Completed On		leted On 16/05/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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# Organic Vapour Sampler

Sr No.	Equipment Name	5r. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



5-306/307, Plot No. 61, Pater Estate, Hars Magon, Wirren, Aco, Clts Bullin Found, Burnier, Forvorien, Furnit Gou-401 101. Gos State, India. (D.: (0832) 24:1322 : 2611323 • E-mail: etaileogos@renidi nail com

Lab augmented by MoSF & CC Wold up to 19 11 2020 a Depthorny (SD) 0.011 2015 A 041 45001 (2015)

ANNIAMEN SWELLE

	ANALYSIS REP	ORT FOR	WATER SAMPLE			
Report No.	SEE/05/2022/134	SEE/05/2022/134 Issue Date			11/05/2022	
Name of Client	M/s. Megawide Construction DMCG C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
e de la Branca	A Devel periodono	s per dated 05/05/2022 Environmental Condition of Lab		Temp * C 28.2		Humidity %
Order / Reference	As per dated Ub/Ub/2022					64
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPUQSP-10		
Sampling point	Borewell 1					
Sample details	Ground Water		Date of collection	05/05/2022		2022
Sample Collected by	SEEPL Representative		Sample Received On	0	05/05/2022	
Analysis Started On	05/05/2022	Analysis Completed On		11/05/20		2022
Sample Container	Glass bottles	Glass bottles Sample Quantity		5	5000 ml	

Che	m	cal	1	est	ing
	1				

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	6.82	-	6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.46	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	-	Not Specified	APHA( 23° Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23 <sup>rd</sup> Edition.) 2120 B
5.	Odour	Agreeable	(Thecat	Not Specified	APHA( 23 <sup>rd</sup> Edition.) 2150 B
8.	Total Alkalinity	96.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	200.00	mg/lit	500.00	IS 3025 (Part 16)
8.	Chlorides as CI-	18.51	mg/lit	250.00	IS 3025 (Part 32)
9.	Suiphate as SOr	<5.00	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit.	Not Specified	APHA( 23//Edition ) 4500 SF
11.	Total Hardness as CaCO <sub>2</sub>	98.00	mg/lit	200.00	IS 3025 (Part 21)
12	Ammonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0.50	Clause 6 of IS 3025 (Part 39)

1. Shreya Harmalkar

2. Anisha Parab Analyzed by

Schopdekar Varsha Pole Reviewed By

ndeep Sawant Authorized Signatory

Raport No.	SEE/05/2022/134	Issue Date	11/05/2022
Order / Reference	As per dated 05/05/2022	Sample Received On	05/05/2022
Analysis Started On	05/05/2022	Analysis Completed On	11/05/2022
Name of Client	M/s. Megawide Construction DI- C/o GMR Goa International Air		

Sr. No.	nical Testing Parameter	Result	Unit	IS destrable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15.	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23FEdition ) 4500 F D
17.	Phenoiic compound	<0.02	mg/lit	Not Specified	APHA( 23mEdition ) 553C-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/8t	Not Specified	APHA(23#Edition) 5540 - C
letal	Analysis				
20	Aluminium as Al	<0.01	mg/ltt	0.03	18 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/llt	0,01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	14.42	mg/lit	Not Specified	APHA( 23dEdition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.16	mg/lit	1.00	IS 3025 (Fart 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Fart 2)
27.	Magnesium as Mg	15.06	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
29.	Mercury as Hg	< 0.001	mgAir	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	0.04	mg/lit	5.00	IS 3025 (Part 2)
31.	Sodium as Na	8.20	mg/lit	Not Specified	APHA( 23°Edition.) 3120 B
32.	Potassium as K	6.25	mg/lit	Not Specified	APHA( 23=Edition ) 3120 B
33.	Copper as Cu	< 0.01	mg/lit	0:05	IS 3025 (Part 2)

Shreya Harmalkar
 Anisha Parab
 Analyzed by

Varsha Pole Reviewed By

Anarlieep Sawant Authorized Signatory

Report No.	SEE/05/2022/134	Issue Date	11/05/2022
Order / Reference	As per dated 05/05/2022	Sample Received On	05/05/2022
Analysis Started On	05/05/2022	Analysis Completed On	11/05/2022
Name of Client	M/s, Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total collforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
35.	E coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23*Edition ) 9221-G

Note: Test results related only to the sample tested.

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 Anisha Parab
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Ananoeep Sawant Authorized Signetory

# **Equipment Calibration Details**

_	Equipment Name			Calibratio	n Details
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
D1.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022
03.	U V Spectrophotometer	Q/0166	*	Inhouse Calibration	
04.	ICP- OES	Q/162		Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021 26/08/2	
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021 26/08/20	
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Life accordinglery MoEF & OC Valid up to 05 41 2023 # Certified by ISO 9001-2015 & ISO 49001 | 2010

	ANALYSIS REPO	RT FOR	WATER SAMPLE					
Report No.	SEE/05/2022/135	Issue Date		11/05/2022				
Name of Client	M/s Megawide Construction C/o GMR Goa Internetional							
Address of Client	Mopa, Goa							
Order / Reference	As per dated 05/05/2022	As per dated 05/05/2022 Environmental Condition of Lab		Temp * C 28.2		Humidity % 64		
Sampling Plan	SEEPL/LD/FMT-54		Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Borewell No. 2							
Sample details	Ground Water		Date of collection	05/05/2022		2022		
Sample Collected by	SEEPL Representative		Sample Received On		05/05/2022			
Analysis Started On	05/05/2022		Analysis Completed On		11/05/2022			
Sample Container	Glass bottle + PVC Can		Sample Quantity		1000 ml + 4000m			

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Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	5.78	- 2	6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.65	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	1.6	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23"Edition ) 2120 B
5.	Odour	Agreeable	1.8	Nat Specified	APHA( 23r Edition ) 2150 B
8.	Total Alkalinity	92.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	176,00	mg/lit	500,00	IS 3025 (Part 16)
8.	Chlorides as Ct-	11.01	mg/lil	250.00	IS 3025 (Part 32)
9	Sulphate as SOr	5,49	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23rdEdition ) 4500 S2F
11.	Total Hardness as CaCO <sub>3</sub>	94.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0.50	Clause 6 of IS 3025 (Part 39)

1. Shreya Harmalkan

2. Anisha Parab Analyzed by

Varsha Pole

Reviewed By

Anandaep Sawant Authorized Signatory

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Report No.	SEE/05/2022/135	Issue Date	11/05/2022
Order / Reference	As per dated 05/05/2022	Sample Received On	05/05/2022
Analysis Started On	05/05/2022	11/05/2022	
Name of Client	M/s. Megawide Construction DN C/o GMR Gos International Ain		

Sr. No.	nical Testing Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15	Nitrate as NO <sub>3</sub>	1.20	mg/lit	45.00	IS 3025 (Part 34)
16	Fluoride as F	<0.10	mg/9t	Not Specified	APHA( 23/4Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA(23 <sup>redition</sup> ) 5530-B,C
18.	Cyanide	<0.01	mg/lit.	Not Specified	APHA( 23"Edition ) 4500 CN -D
19.	Anionia Detergents	<0.10	mg/lit	Not Specified	APHA( 23"Edition ) 5540 - C
letai	Analysis			1	
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	16.83	mg/lit	Not Specified	APHA( 23#Edition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0,003	IS 3025 (Part 2)
25.	fron as Fe	0.59	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	12.62	mg/iii	Not Specified	APHA( 23 Edition ) 3500Mg B
28.	Chromlum as Cr	<0.01	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
29	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	0.03	mg/lit	5,00	IS 3025 (Part 2)
31.	Sodium as Na	9.40	mg/lit	Not Specified	APHA( 23 <sup>-j</sup> Edition ) 3120 B
32.	Potassium as K	7.75	mg/III	Not Specified	APHA( 23rdEdition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0,05	IS 3025 (Part 2)

Shreya Harmalkar
 Anisha Parab
 Analyzed by

Varsha Pole Reviewed By

Abanteep Sawant Authorized Signatory

Report No.	SEE/05/2022/135	Issue Date	11/05/2022
Order / Reference	As per dated 05/05/2022	Sample Received On	05/05/2022
Analysis Started On	05/05/2022	Analysis Completed On	11/05/2022
Name of Client			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
34.	Total cofforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 Edition ) 9221-B	
35.	E.coll at 44.5°C for 24hrs	Absent	MPN Index/100ml	Not Specified	APHA[ 23MEdition ) 9221-G	

Note: Test results related only to the sample tested.

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 Anisha Parab
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Anandeep Sawant Authorized Signatory

# **Equipment Calibration Details**

				Calibratic	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022
03.	U V Spectrophotomater	Q/0166	÷	Inhouse Calibration	
04.	ICP- OES	Q/162	8	Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	0/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	0/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	0/001	2021/08/234	25/08/2021 26/08/202	
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lisb assertibled by MoEF & CC Valid up to 00 11.2023 \* Cmillied by (50) 9091-2016 & (90) #9561 / 2010

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/05/2022/136		Issue Date		11/05/2022	
Name of Client	M/s Megawide Construction C/o GMR Goa Internation					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 05/05/2022	Enviro	Environmental Condition of Lab		D E	Humidity %
Cidel / Releignos	ns per dated werodradas	Environmental condition of Edu		28.2		64
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	WTP-Treated					
Sample details	Treated Water sample		Date of collection		05/05/2022	
Sample Collected by	SEEPL Representative		Sample Received On		05/05/2022	
Analysis Started On	05/05/2022		Analysis Completed On		11/05/2022	
Sample Container	Glass bottle		Sample Quantity		5000 ml	

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Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	pH	7:40	-	6.5 - 8.5	IS 3025 (Part 11)	
2	Turbidity	0.38	NTU	1.00	IS 3025 (Part 5)	
3.	Tasta	Agreeable	4	Not Specified	APHA( 2319 Edition ) 2160 B	
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23rd Edition ) 2120 B	
5.	Odour	Agreeable	+	Not Specified	APHA( 23*Edition ) 2150 B	
8	Total Alkalinity	20.00	rigiti	200.00	IS 3025 (Part 23)	
7	Total Dissolved Solids	58.00	mg/lit	500.00	18 3025 (Part 16)	
B.	Chlorides as CI	<10.00	mg/lit.	250.00	IS 3025 (Part 32)	
9.	Sulphate as SO <sub>4</sub>	<5.00	mg/lit	200,00	IS 3025 (Part 24)	
10	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23rdEdition ) 4500 SPF	
11.	Total Hardness as CaCO <sub>2</sub>	22.00	mg/lit	200,00	IS 3025 (Part 21)	
12.	Ammonia	<0.50	mgilit	0.50	3025 (Part 34)	
13.	Mineral oil	<0.1	mg/lit	0.50/5/	Clause 6 of IS 3025 (Part 39) 1991	

 Shreya Harmalkah 2. Anisha Parab

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Varsha Pole Reviewed By

Anahteep Sawant **Authorized Signatory** 

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110, Danipa Tuwata, EDC Pullo, Panaji 403 001, God State. India 47 (0532) 24370/87 2437164 BRANCH OFF.

E-mail: abadillarorwingmailfings com: \* Yuphino: www.supplatorwing.com \* CIN - U462baMH189867CC1111770

Report No.	SEE/05/2022/136	Issue Date	11/05/2022				
Order / Reference	As per dated 05/05/2022	As per dated 05/05/2022 Sample Received On 05/05/2					
Analysis Started On	05/05/2022	Analysis Completed On	11/05/2022				
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15.	Nitrate as NO <sub>2</sub>	<1.00	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23"Edition ) 4500 F D
17,	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23/Edition ) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23"Edition ) 4500 CN D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23 VEdition ) 5540 - C
lotal	Analysis				
20.	Aluminium as Al	<0.01	mg/lit	0,03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.0↑	mg/lit	0,50	IS 3025 (Part 2)
23	Calcium as Ca	4.80	mg/lit	Not Specified	APHA( 23ºEdition ) 3500Ca B
24	Cadmium as Cd	<0.001	mg/lit:	0.003	(S 3025 (Part 2)
25.	Iron as Fe	0.03	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Ph	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	2.43	mg/lit	Not Specified	APHA( 23 Edition ) 3500Mg B
28,	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zino as Zn	<0.01	mg/lit	5.00	IS 3025 (Fart 2)
31.	Sodium as Na	<1.00	mg/lit	Not Specified	APHA(23=Edition) 3120 B
32.	Potassium as K	1.40	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

Shreya Harmalkar
 Anisha Parab
 Analyzed by

Varsha Pole Reviewed By

Aharideep Sawant Authorized Signatory

Report No.	SEE/05/2022/136	Issue Date	11/05/2022
Order / Reference	As per dated 05/05/2022	Sample Received On	05/05/2022
Analysis Started On	05/05/2022	Analysis Completed On	11/05/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23ªEdition ) 9221-B
35.	E.coll at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA(23MEdition) 9221-G

Note: Test results related only to the sample tested.

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 Anisha Parab
 Analyzed by

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Anartheep Sawant Authorized Signatory

	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023	
02.	Hot Air Oven	O/039	12021/06/017	26/06/2021	26/08/2022	
03.	U V Spectrophotometer	C/0166		Inhouse Calibration		
04.	ICP- CES	Q/162	-1	Inhouse Calibration		
05	Microbiological Incubator (37 °C)	0/003	T2021/08/070	28/08/2021	26/08/2022	
06.	Microbiological Incubator (44,8 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021 26/08/20		
08.	Autoclavs	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPOR	RT FOR WATER SAMPLE			
Report No.	SEE/05/2022/137	Issue Date		10/05/	2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Order / Reference	As per dated 05/05/2022	Environmental Condition of Lab		mp °C	Humbity %
Order / Releiblice	Ha her naten namoranes			28.2	64
Sampling point	L.S.C. Colony				
Sample details	Drinking Water	Date of collection		05/05/2022	
Sample Collected by	SEEPL Representative	Sample Received On		05/05/2022	
Analysis Started On	05/05/2022	Analysis Completed On		10/05	/2022
Sample Container	Glass bottle	Sample Quantity		1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	MPN	Absent	MPNIndex/100mi	Not Specified	APHA( 23 <sup>M</sup> Edition ) 922 1-B	
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rt</sup> Edition ) 9221-G	

Note: Test results related only to the sample tested.

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hopeleyar Varsha Pole Reviewed By

ardeep Sawant **Authorized Signatory** 

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		Transcourse - comment		Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological incubator (37 °C)	Ω/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	28/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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Lab accounted by MoEF & CC Valid up to 03: 11.2020 a Combact by ISC 9001:2016 8-ISC 45001 - 2018

	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/05/2022/138	Issue Date	10/05/		2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Order / Reference	As per dated 05/05/2022	Environmental Condition of Lab	Temp <sup>0</sup> C 28.2		Humidity %
Sampling point	PTB				
Sample details	Drinking Water	Date of collection	05/05/2022		2022
Sample Collected by	SEEPL Representative	Sample Received On	05/05/2022		2022
Analysis Started On	05/05/2022	Analysis Completed On	10/05/		2022
Sample Container	Glass bottle	Sample Quantity	1000 mi		mi

Microbiological Parameters

	Result	Unit	Limit (As per IS 10500)	Method
MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-B
coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23mEdition) 9221-G
				MPN Absent MPNIndex/100ml Not Specified

Note: Test results related only to the sample tested.

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Analigeep Sewant Authorized Signatory

	Haumment Name	Equipment Id		Calibration Details		
Sr. No.			Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	0/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	0/010	M2022/04/031	18/04/2022	18/04/2023	



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Lab according by MnEF # CC Valid up to 05 11,2023 \* Continue by ISO 8001 2015 & ISO 89881 | 2018

	ANALYSIS REPOR	RT FOR V	WATER SAMPLE			
Report No.	SEE/05/2022/139		Issue Date		10/05/	2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 05/05/2022	Environmental Condition of Lab		Temp <sup>⊕</sup> C 28,2		Humidity % 64
Sampling point	V,N.C. Colony					
Sample details	Orinking Water		Date of collection		05/05/2022	
Sample Collected by	SEEPL Representative		Sample Received On		05/05/2022	
Analysis Started On	05/05/2022		Analysis Completed On		10/05/202	
Sample Container	Glass bottle		Sample Quantity	1000 ml		ml

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-B
2	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23"Edition) 9221-G

Note: Test results related only to the sample tested.

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. 310 Dempo Towers, EDC Patto, Pariaji-403 001. Got State. hidla (\*) (0832) 2437046 / 2437164 BRANCH OFF. E-mail: mice/are/s/main/mail/com • Toroilla: www.unicaare/viri.com • CIN - UA500MIII199877C 1587/U

				Calibratic	n Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator ( 37 °C )	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPOR	RT FOR WATER SAMPLE					
Report No.	SEE/05/2022/140	SEE/05/2022/140 Issue Date			2022		
Name of Client	M/s. Megawide Construction C/a GMR Goa International						
Address of Client	Mopa, Goa						
Order / Reference	As per dated 05/05/2022	Environmental Condition of Lab	Temp 28.2		Humidity %		
Sampling point	KMV						
Sample details	Orlnking Water	Date of collection		05/05/2022			
Sample Collected by	SEEPL Representative	Sample Received On	10	05/05/2022			
Analysis Started On	05/05/2022	Analysis Completed On		05/05/2022 Analysis Completed On		10/05/	2022
Sample Container	Glass bottle	Sample Quantity		1000 r	nl		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-B
2	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

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		Was some year.		Calibratio	n Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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	ANALYSIS REPO	RT FOR	WATER SAMPLE				
Report No.	SEE/05/2022/141	SEE/05/2022/141 Issue Date				2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa International						
Address of Cliant	Mopa, Goa						
Order / Reference	As per dated 05/05/2022	Environmental Condition of Lab		Temp *C 28.2		Humidity %	
Sampling point	Labour Colony						
Sample details	Drinking Water		Date of collection		05/05/2022		
Sample Collected by	SEEPL Representative		Sample Received On	05/05/20		2022	
Analysis Started On	05/05/2022	05/05/2022 Analysis Completed On		On 10/0:		2022	
Sample Container	Glass bottle	Glass bottle Sample Quantity				1000 mi	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23/4Edition ) 9221-8
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by Varsha Pole Reviewed By

Authorized Signatory

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				Calibratio	n Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	28/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab inconditional by McGF & CC Valid on to 03.11 2023 \* Continuo by ISO 9001 2015 & ISO 45001 3018

SWELLE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/05/2022/130		Issue Date 10/05/2022				
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited				
Address of Client	Mopa, Goa						
n i i i n i n	k d-1d 05.05.0000	- Facilian	A SECURIT OF THE SECURITY OF THE		Humidity %		
Order / Reference	As per dated 05/05/2022	Enviro	emental Condition of Lab	28.2	64		
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/OSP-10			
Sampling point	STP						
Sample details	Inlet Water		Date of collection	05/05/2022			
Sample Collected by	SEEPL Representative		Sample Received On	05/05/2022	2		
Analysis Started On	05/05/2022		Analysis Completed On		2		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml +	1000m)		

#### Chemical Parameters

No.	Parameters	Results	Unit	Method
i.	рН	6.44	-	APHA( 23*Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	732.00	mg/lit	APHA( 23FEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	230.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	215.00	mg/lit	APHA( 23=Edition ) 2540-D
5.	Oil & Grease (O & G)	16.80	mg/lit	APHA( 23/Edition ) 5520-0 &G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Asmita Sawant Analyzed By

Varsha Pole Reviewed By English English

Ananbeep Sawant Authorized Signatory

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				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	C)/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



B-309/367, Flot No. 81 Faiol Estate Rais Magos, Yersen, Alta, Okt Bellim Rood, Bartinz, Personin, Penny Gas 401 101 Gair State, India (O 1)00321-2411322 / 2411323 \* E-mail startabgoog@rediffmol.com

into acceptabled by APER & CAS Value by Millia 19 2000 W Davidino by ESO 9003-2016 & 050 (8000) - 2018.

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/05/2022/131		Issue Date 10/05/2022			
Name of Client	M/s. Megawide Construction C/o GMR Goa International		Imited			
Address of Client	Mopa, Goa					
A. V. VA. P	A I A I AP AP ANAG	· Carrier	Walter State of the State of the		Humidity %	
Order / Reference	As per dated 05/05/2022	Enviro	mental Condition of Lab	28.2	64	
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Outlet Water		Date of collection	05/05/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	05/05/2022		
Analysis Started On	05/05/2022		Analysis Completed On		22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m)	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	рH	6.44	· ·	5.5-9.0	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	156.00	mg/lit	250.00	APHA( 23/Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	19.60	mg/lilt	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	67.00	mg/lit	100.00	APHA( 23NEdition ) 2540-D
5.	Cil & Grease (O & G)	5.80	mg/lit	10.00	APHA( 23 <sup>rd</sup> Edition ) 5620-O &G

Note: Test results related only to the sample fested.

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Trum Asmite Sawart Analyzed By

Varsha Pole Reviewed By

Anardeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



9-3065857, Pot No. 11, Palei Emary, Rom Magou, Varian, Alto, Ort Bettin Fraut, Bardez, Pervorm, Paraji Gua.403 101. Gon State, India, √C > (0832) 2411-322 / 3411-25 € F-mail : riterialsgon@rediffications.

Gen State, India, 90 > (0832) 241-3227 351+ 25 € F-mail : statistiggor@rediffications

Line Secretified by Mod. 9. N. C.C. Vages up to 031 Pt 2021 ★ Destributing by 8913 90001-2015 € 1901-1-5001 (2018)

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No	SEE/05/2022/132		Issue Date	10/05/20	22
Name of Client	Ws. Megawide Construction C/o GMR Goa International		mited		
Address of Client	Mopa, Goa				
Order / Reference	A A		Serie de la Var	Temp °C	Humidity %
	As per dated 05/05/2022	Enviro	mental Condition of Lab	28.2	64
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/QSP	-10
Sampling point	STP (KMV)				
Sample details	Inlet Water		Date of collection	05/05/2022	
Sample Collected by	SEEPL Representative		Sample Received On	05/05/2022	
Analysis Started On	05/05/2022		Analysis Completed On	10/05/2022	2
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	рН	6.37	14.	APHA(23dEdition) 4500 H+-E	
2	Chemical Oxygen Demand (COD)	448,00	mg/lit	APHA( 23 <sup>e</sup> Edition ) 5220-B	
3	Biochemical Oxygen Demand (27°C 3 day)(BOD)	117.80	mg/lit	IS 3025 (Part 44)	
4	Total Suspended Solids (TSS)	73.00	mg/lit	APHA( 23"Edition ) 2540-D	
5	Oll & Grease (O & G)	8.00	mg/lit	APHA( 23*Edition ) 5520-O &G	

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed By

Varsha Pole Reviewed By

Ananbeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Ω/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Cl/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/039	T2021/06/017	26/06/2021	26/06/2022	



8 100/367, Plot No. 61, Palet Esseria. Rolls Magas, Vincen. Alb., Old Bellin Plaza, Barskiz, Parvaria, Paragi Gen. 405 101. Gea Slate, India. (f) (10002) 24113727 2411323 € Gravit startabyca@notificant.com

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE						
Report No.	SEE/05/2022/133	SEE/05/2022/133		10/05/20	22				
Name of Client	M/s Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	Mopa, Goa								
Order / Reference	As per dated 05/05/2022 Envi		mental Condition of Lab	Temp *C	Humidity %				
			Environmental Condition of Lab		64				
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP	-10				
Sampling point	STP (KMV)								
Sample details	Outlet Water		Date of collection	05/05/20	22				
Sample Collected by	SEEPL Representative		Sample Received On	05/05/20	22				
Analysis Started On	05/05/2022		Analysis Completed On	10/05/20	22				
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000mi				

#### Chemical Parameters

Parameters	Results	Unit	*Limits	Method
pH	6,78		5.5-9.0	APHA( 23ºEdition ) 4500 H- B
Chemical Oxygen Demand (COD)	36.00	mg/lit	50,00	APHA( 23 <sup>ro</sup> Edition ) 5220-8
Biochemical Oxygen Demand (27°C 3 day)(BOD)	8.40	mg/lit	10.00	IS 3025 (Part 44)
Total Suspended Solids (TSS)	16.00	mg/lit	20.00	APHA( 23ºEdition ) 2540-D
Cil & Grease (O & G)	3.80	mg/lit	10,00	APHA( 23rdEdition ) 5520-O &G
Ammonia	3.36	mg/lit	5.00	APHA( 23rdEdition ) 4500 NH3B C
Total Nitrogen ( as N)	6.92	mg/lit	10.00	APHA( 23rdEdition ) 4500 N-B
	pH Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (27°C 3 day)(BOD) Total Suspended Solids (TSS) Oil & Grease (O & G) Ammonia	pH 6.78 Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (27°C 3 day)(BOD) Total Suspended Solids (TSS) 16.00 Cit & Grease (O & G) 3.80 Ammonia 3.36	pH 6,78  Chemical Oxygen Demand 36,00 mg/lit (COD)  Biochemical Oxygen Demand 8,40 mg/lit (27°C 3 day)(BOD)  Total Suspended Solids (TSS) 16,00 mg/lit Cit & Grease (O & G) 3,80 mg/lit Ammonia 3,36 mg/lit	pH 6.78 5.5 – 9.0  Chemical Oxygen Demand 36.00 mg/lit 50,00  Biochemical Oxygen Demand 8.40 mg/lit 10.00  Total Suspended Solids (TSS) 16.00 mg/lit 20.00  Cit & Grease (O & G) 3.80 mg/lit 10.00  Ammonia 3.36 mg/lit 5.00

#### Microbiological Parameters

8.	Faecal coliforms at 44.5°C for 24 hrs.	56	MPN Index/100ml	100	APHA ( 23**Edition ) 9221-E	
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Note: Test results related only to the sample fested.

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1. Mugdha Gawade 2. Anisha Parab

Analyzed By

Varsha Pole

Reviewed By

Alfahiteep Sawant Authorized Signatory

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DRANCH OFF. 310. Dampo Towers, EDG Petto, Penuji-455 001. Gas State, radia (C. (0832) 2437045 / 2437164

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				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meler	Q/062	2021/09/001	04/09/2021	04/09/2022	
02	Hot Air Oven	Q/039	72021/06/017	26/06/2021	26/06/2022	
03.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
04.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
05.	Microbiological Incubator (37 °C)	(2/003	T2021/08/070	26/08/2021	26/08/2022	
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	28/08/2021	26/08/2022	
08.	Autoclave	0/010	M2022/04/031	18/04/2022	18/04/2023	



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Lab accomplied by Brook A CCT Visit up to 0.1 ft 2023 + Carollind by ISO 9001 2016 4.150.45004 . 2018

HW-UHINE! SRVI NE

		AMBI	ENT A	IR QUA	LITY MONITORI	NG I	REPO	RT		
Rep	ort Date	02/07/2	022							
Nan	ne of Client		M/s. Megawide Construction DMCC L/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	24							
Sam	pling Plan	SEEPL/I	D/FM	r-54	Sampling Procedur	re No	i.	SEEPL/QSI	2-10	
Sam	ple Collected I	By SEEPL R	epreso	ntative						
Mar	th of Sampling	g   June 207	32							
				AMBIE	NT AIR LOCATION					
Loca	ation of ambier	nt dir station	Shen	recheadya	n Boundary[Goa St	ate) (	G-A2)			
Ave	rage Ambient	Temperature (°C)	30,2	Averag	Average Humidity (%) 7			Latitude	N 15º42'06.1"	
Average Wind Speed (km/hr) 1.7			Averag	age Wind direction (Deg) 243			Longitude	E 73/49/2	1.5"	
last	ruments Used		EPS(	APM-550	, RDS(APM-460) &	GPS (	APM -	411]		
Sr.	Date of	Report No.	Classes No.			PAR	AMET	ERS		
No	Sampling	Report No.	- 4	PMu	PM25	S	O <sub>2</sub>	NOx	CO	SPM
1.	02/06/2022	SEE/AR/06/2022/	0035	33.83	19.50	4.	01	10.19	0.05	54.36
2.	06/06/2022	SEE/AR/06/2022/	0115	37.20	9.52	<3	.00	6.42	0.06	48.18
3.	09/06/2022	SEE/AR/06/2022/	0230	36.66	13.93	43	.00	<6.00	0.03	51.68
40	13/06/2022	SEE/AR/06/2022)	0281	27.35	7.11	<3	.00	7.47	0.05	34.79
5.	16/06/2022	SEE/AR/96/2022/	0370	26.26	0.57	3.	38	<6.00	0.06	35.02
6.	20/06/2022	SEE/AR/06/2022)	0440	22.42	7.32	43	.00	<6.00	0.03	29.70
7.	23/06/2022	SEE/AR/06/2022)	0516	15.19	6.28	42	DO.	<6.00	0.02	21.54
8.	27/06/2022	SEE/AR/06/2022/	0579	31.16	11.35	23	00.1	<6.00	0.05	43.28
9.	30/06/2022	SEE/AR/06/2022/	0670	27.05	8.57	×2	:00	< 6.00	0.03	36.44
	NAA	QS Limits*		100	60	1	30	80	4	-7
		Units		pg/ m <sup>a</sup>	ug/m²	MB	/m <sup>n</sup>	ng/m³	mg/m <sup>1</sup>	pe/m
		Method		1S 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-01		5182 rt 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV

"NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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. Test methods of analyzed parameters are back side of analysis report.

T)Aditya Naik 2)Akash Pattade Tu

Analyzed by

Varsha Pole

Reviewed by

eep Sawant Authorized Signatory

## Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
100		LES-CCL/FF/MF/SC/1146	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration	
01	LIV	In House Calibration	

### Fine Particulate Sampler (SR NO. 992-DTI-2020)

Sr Na.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3768	24/09/2021	23/09/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



B-305/307. Plot No. 61. Palet Fatare, from Magos, Veston, Afri, Old Salim Road, Baciaz, Yorvoom, Parayi-Ose-403 (0) Eco dinta, Iralia (C., (0832) 24/1322 / 34/1323 \* E-mail: afailtabegan@midlifront.com

Inhinomalikat by Late F. A. (Sic Valid up to 03.11.2023 + Can find by )SO 9001.3018 & (9.0.46001.; 2018

SHIVE LUBITED SAVELIFE

		AMBI	ENT A	IR QUALITY	MONITOR	NG R	EPOR	T		
Rep	ort Date	02/07/20	22							
Nan	Name of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited									
Address of Client Mopa, Goa										
San	pling Plan	SEEPL/LO	/EMT-	54 Samp	oling Procedure	e No.	S	EEPL/QSP-1	0	
San	pie Collected I	By SEEPL Re	present	ative						
Mor	th of Sampling	g June 2022								
				AMBIENT A	IR LOCATION					
Loca	ation of ambie	nt air station	Mopa	Boundary (G	oa State) (G-A	1)				
Ave	rage Ambient	Temperature (°C)	30.8	Average Eu	imidity (%)		7.2	Latitude	N 15945'S	
Λve	rage Wind Spe	sed (km/hr)	1.5	Average Wind direction (Deg) 23		231	Longitude	E 73º56'32.4"		
Inst	ruments Used		FPS(/	APM-550), RD	S(APM-460) &	GPS (/	APM -	111)		
Sr.	Date of	Report No.				PAR	AMETI	ers		
No	Sampling Report No.			PM <sub>10</sub>	PM <sub>25</sub>	8	8O <sub>2</sub>	NOx	co	SPM
1.	02/06/2022	SEE/AR/06/2022/	0034	47.72	17.92	5	.30	7.05	0.06	67:36
2.	06/06/2022	SEE/AR/06/2022/	0114	63.82	30.52	4	3.00	6.68	0.08	9651
3	09/06/2022	SEE/AR/06/2022/	0229	50,93	15.01	3	.75	<6.00	0.07	68.83
4.	13/06/2022	SEE/AR/05/2022/	0280	39,08	10.31	7	.74	7.42	0.03	49.75
5.	16/06/2022	SEE/AR/05/2022	0377	34.44	11.19	<	3.00	<6.00	0.06	45.88
6.	20/06/2022	SGE/AR/06/2022,	0439	29.04	9.44	3	3.00	<6.00	0.03	37.99
7	23/06/2022	SEE/AR/06/2022	0515	18.43	6.82	<	3.00	<6.00	0.05	25.27
8.	27/06/2022	SEE/AR/06/2022,	0578	43.08	15.47	<	3.00	< 6.00	0.07	59.60
9.	30/06/2022	SEE/AR/06/2022,	0669	22.53	7.36	<	3.00	<6.00	0.03	30.48
	NAA	QS Limits*		100	60		80	80	4	-
		Units		µg/m <sup>y</sup>	µg/m <sup>1</sup>	ne	/m³	pg/m³	mg/m	µg/m
	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP AA-04		82 (Part 02)	IS 5182 (Part 06)	IS 5182  Part 10)	IS 5182 Part IV	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

2) Akash Pattade Mayrad Analyzed by

Varsha Pole

Reviewed by

Authorized Signatory

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Page 168 of 567

### Calibration details of Equipment used for Sampling & Analysis

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO.2027-DTD-2016)	LES-CCL/FF/MF/SC/1145	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No. Equipment Name		Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 991-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	1ES-CCL/FF/RF/SC/3772	24/09/2021	23/09/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



6-308/507, Plot No. 61, Patri Estate, Rest Magos, Venter, Alte, Old Bellin Front, Bardez, Porycen, Parrol Goa 433-101 Gas State India. (D.) (1000) 941 (1927) 5411523 \* (5-roal) - statistiquo (6-roal) estat

Lab according to MrEE A CC Well up to 03 to 2023 + DetRet by ISC 9861 2015 A 603 46001 - 2016

STORY MATTER! STWINE

		AMBI	ENT A	IR QUA	LITY MONITORII	NG F	REPO	RT		
Rep	ort Date	02/07/2	2022							
Nan	ne of Client		M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	oa							
Sam	pling Plan	SEEPL/	D/FM	T-59	Sampling Procedur	re No	•	SEEPL/QSI	P-10	
San	ple Collected I	By SEEPL R	eprese	ntative						
Mon	ith of Sampling	June 200	22							
				AMBIEN	NT AIR LOCATION					
Loc	ation of ambie	nt air station	Nagz	ar(Goa Sta	ate) (G-A3)					
Ave	rage Ambient	Temperature (°C)	30.4	Averag	e Humidity (%)		73	Latitude	N 15º45'3	7.3"
Ave	rage Wind Spe	ed (km/hr)	1.5	Averag	e Wind direction (E	eg)	215	Longitude	E 73653'14	1.22"
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) &0	GPS [	APM -	411)		
Sr.	Date of	Description of the				PAR	AMET	ERS		
No	Sampling	Report No.	Report No.		PM <sub>2.8</sub>	S	02	NOx	CO	SPM
1.	02/06/2022	SER/AR/06/2022	0036	32.74	22.04	<3	.00	5.43	0.03	35.59
2.	05/06/2022	SEE/AR/06/2022	0116	41,21	12.60	3.	03	<6.00	0.05	35.00
3.	09/06/2022	SEE/AR/06/2022	0231	36.45	9.23	.=3	.00	<6.00	0.06	46.85
4.	13/06/2022	SEE/AR/06/2022	/0282	26.46	6.74	3,	13	<6.00	0.02	23,10
S.	16/06/2022	SEE/AR/06/2022	(0379	21.36	9.15	¢3	.00	7.26	0.05	30.88
6.	20/06/2022	SEE/AR/06/2022	/0441	22,20	7.40	*:3	.00	<6.00	0.05	30.00
7.	23/06/2022	SEE/AR/06/2022	/0517	12.51	8.49	×3	.00.	<6.00	0.03	20.98
8.	27/06/2022	SEE/AR/06/2022	0580	27.09	16.55	₹3	.00.	<6.00	0.05	43.92
9.	30/06/2022	SEE/AR/06/2022	/0671	19.74	8.23	×3	.00.	<6.00	0.02	28.34
	NAA	QS Limits"		100	60	1	10	80	4	
0		Units		ng/m³	ng/m³	ug	/m³	Hg/m <sup>3</sup>	mg/m²	ng/m
	7	Method		IS 5182( Part 23)	Lab SOP NO. SEEALD/SOP-AA-04	0.00	5182 rt 02)	IS 5182 (Part 06)	IS 5182( Part 10)	Part IV

"NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report

1)Aditya Naik Sacul 2) Akash Patlade Kno He Analyzod by

Varsha Pole Reviewed by

**Authorized Signatory** 

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### Calibration details of Equipment used for Sampling & Analysis

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01		LES-CCL/FF/MF/5C/1153	15/07/2021	14/07/2022

#### UV Spectrophotometer

Sr No. Equipment Name		Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES CCL/FF/RF/SC/3771	24/09/2021	23/09/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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		AMBI	ENT A	IR QUA	LITY MONITORIN	NG I	REPO	RT		
Rep	ort Date	02/07/2	022							
Nan	ne of Client		M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	D/BI							
San	pling Plan	SEEPL/I	D/FM	1-54	Sampling Procedur	e No		SEEPL/QSI	P-10	
San	ple Collected I	By SEEPLR	cprese	ntative						
Mor	th of Sampling	g June 202	22							
				AMBIEN	NT AIR LOCATION					
Loca	ation of ambie	nt sir station	Purv	a Casarva	rnem (Goa State)(G-	Λ4)				
Ave	rage Ambient	Temperature (°C)	30.9	Averag	e Humidity (%)		74	Latitude	N 15º41'4	1.9"
Average Wind Speed (km/ltr) 1.6			Averag	rage Wind direction (Deg) 198		Longitude	E 73"50'16.6"			
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) &C	PS (	APM -	411)		
Sr.	Date of		PARAME			AMET	ERS			
No	Sampling	Report No.		PMic	PM <sub>2.5</sub>	8	02	NOx	CO	SPM
14	02/06/2022	SEE/AR/06/2022/	0037	38.51	15.18	<	00.1	5.22	0.05	54.90
2.	06/06/2022	SEE/AR/06/2022/	0117	29.05	10.19	<3	00.0	<6.00	0.03	40.05
3.	09/06/2022	SEE/AR/06/2022)	0232	23.07	17.42	4	00.	≪6.00	0.06	41.38
4.	13/06/2022	SEE/AR/05/2022/	0283	14.13	7.82	s:	1.00	<6.00	0.05	22.00
5.	16/06/2022	SEE/AR/06/2022/	0380	19.15	6.24	45	00.3	<6.00	0.03	25.5
5,	20/06/2022	SEE/AR/05/2022/	0442	20.15	5.28	15%	3.00	<6.00	0.06	25.4
7.	23/06/2022	SEE/AR/06/2022/	0518	12.18	5.82	ıs,	1.00	<6.00	0.05	18.03
B.	27/06/2022	SEE/AR/06/2022	0581	22.56	9.31	<	3.00	<6.00	0.03	32.17
9,	30/06/2022	SEE/AR/06/2022	0672	17.05	7.82	R	3.00	<6.00	0.05	25.47
	NAA	Q5 Limits*		100	60		30	80	4	
		Units		ug/m³	µg/m²	112	/ml	m/m <sup>a</sup>	mg/m <sup>t</sup>	ng/m
		Method	Method			11000	5182 n 02)	IS 5182 (Part 05)	(S 5182) Part 10)	Part V

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

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Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik 1 2)Akash Pattade Analyzed by

Varsha Pole Reviewed by Ananogep Sawant Authorized Signatory

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## Calibration details of Equipment used for Sampling & Analysis

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS-APM 460 (SR NO. 1456-DTD-2009)	LES-CCL/FF/MF/SC/1157	15/07/2021	14/07/2022

#### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 299-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3400	15/07/2021	14/07/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Life accredited by MAEF & CC Valid on to 13.11.2023-4 Certified by ISO 90010/111 & ISO 45001-2018

SAVERAL.

		AMBI	ENTA	IR QUAL	ITY MONITORIN	G REPO	DRT		
Rep	ort Date	02/07/2	022						
Name of Client M/s. Megawide C/o GMR Goa in					on DMCC I Airport Limited				
Add	ress of Client	Mopa, Go	a						
Sam	pling Plan	SEEPL/L	D/FMT	- 54	Sampling Procedure	No.	SEEPL/QSP-1	0	
Sam	ple Collected I	By SEEPL R	epreser	ntative					
Mor	th of Sampling	June 202	2						
				AMBIEN	T AIR LOCATION				
Loca	ation of amble	nt air station	Khajn	e Amere P	orscodem (Goa Stat	e) (G-A5			
Ave	rage Ambient	Temperature (°C)	30.1	Average	Humidity (%)	75	Latitude	N 15%40'3	B.0"
Average Wind Speed (km/hr) 1.2					Wind direction (De	-		E 73046'2	1.2"
Inst	ruments Used		TPS(/	IPM-550),	RDS(APM-460) &GI				
Sr.	Date of	Report No.				ARAME	TERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM2.5	SO2	NOX	co	SPM
ti-	02/06/2022	SEE/AR/05/2022/	0038	45.75	20.71	<3.00	<6.00	0.05	67.01
2	06/06/2022	SEE/AR/06/2022/	0118	31.57	17.84	<3.00	<6.00	0.06	49.94
3.	09/06/2022	SEE/AR/05/2022/	0233	38.81	25,57	<3.00	<6.00	0.07	65.06
4.	13/06/2022	SEE/AR/05/2022/	0284	20.30	8.23	<3.00	<6.00	0.03	29.53
5.	16/06/2022	SEE/AR/06/2022/	0381	22.40	9.48	<3.00	<6.00	0.05	32.00
6.	20/06/2022	SEE/AR/06/2022/	0443	23.25	E.11	<3.00	<6.00	0.62	31.27
7.	23/06/2022	SEE/AR/06/2022/	0519	11.15	5.24	<3.00	<6.00	0.06	16,68
8.	27/06/2022	SEE/AR/06/2022,	0582	26.86	7.98	<3.00	<6.00	0.03	35.41
9.	30/06/2022	5EE/AR/06/2022,	0673	15.54	6.11	<3.00	<6.00	0.05	22.38
	NAA	QS Limits*		100	60	80	80	4	180
		Units		μg/ m³	µg/m³	μg/m³		mg/m³	μg/m³
	-	Method		IS 5182( Part 23)	Lab SOP NO.: SEEALD/SOP-AA-(A	(Part 02		IS 5182( Part 10)	Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

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Test methods of analyzed parameters are back side of analysis report.

1) Adilya Naik 2) Akash Pattade (M) (U)

Analyzed by

Varsha Pole

Reviewed by

Anaropep Sawant Authorized Signatory

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### Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (SR NO. 1895-DTJ-2014)	LES-CCL/FF/MF/SC/1152	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR No. 288-DT)-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3401	15/07/2021	14/07/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
C1	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Life according by MoEF & CC Valid on to 03.11.2023 ★ Certified by ISO 9001 2015 & ISO 95001 - 2018

SPECIFICA SPINE LIFE

		AMBI	ENTA	IR QUAL	ITY MONITORIN	G REPO	RT		
Rep	ort Date	02/07/2	022						
Name of Client M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited									
Add	ress of Client	Mopa, Go	a						
Sam	pling Plan	SEEPL/L	D/FM	r- 54	Sampling Proced	ure No.	SEEPL/QSP	+10	
Sam	ple Collected I	By SEEPLR	eprese	ntative					
Mon	th of Sampling	June 202	2						
		10		AMBIEN	T AIR LOCATION				
Loca	ation of ambier	nt air station	Rajvi	l Wada Ter	xem (Goa State)(G-	A6)			
Ave	rage Ambient	Temperature (°C)	30.5	Average	Humidity (%)	73	Latitude	N 15948'4	0.0"
Average Wind Speed (km/hr) 2.1			Average	Wind direction (Deg	223	Longitude	E 73052'5	0.2	
Instruments Used FPS(A				APM-550),	RDS(APM-460) &G	PS (APM -	411)		
Sr.	Date of PARAMETERS								
No	Sampling	Report No.		PM <sub>10</sub>	PMzs	SOz	NOx	co	SPM
1	02/06/2022	SEE/AR/06/2022/	0039	40.24	12.48	<3,00	7.41	0.06	53:15
2	06/06/2022	SEE/AR/06/2022/	0119	26.55	8.57	<3.00	<6.00	0.03	35 53
3.	09/06/2022	SEE/AR/06/2022/	0234	32 23	7.86	<3.00	<6.00	0.05	40.48
4	13/06/2022	SEE/AR/06/2022,	0285	23.03	6.53	3,74	<6.00	0.05	30.27
5.	16/06/2022	SEE/AR/06/2022,	0382	22.00	10.73	<3.00	<6.00	0.03	35,90
6.	20/06/2022	SEE/AR/06/2022,		18:45	6.24	<3.00	<6.00	0.06	22,78
7.	23/06/2022	SEE/AR/06/2022	0520	9.70	6.86	<3.00	<6.00	0.02	16.60
B.	27/06/2022	SEE/AB/06/2022	0583	24.58	7.11	<3.00	<6.00	0.05	32,00
9,	30/06/2022	SEE/AR/06/2022	0674	10,13	9.07	<3.00	<6.00	0.03	19.74
	NAA	QS Limits*		100	60	80	80	4	-
		Units		µg/m1	ug/m³	µg/m <sup>3</sup>	µg/m²	mg/m <sup>1</sup>	μμ/m
		Method		18.5182( Pert 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5132 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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. Test methods of analyzed parameters are back side of analysis report.

1)Aditya Nak 2)Akash Pattade 1/

Analyzed by

Varsha Pole Reviewed by

Agendeep Sawant Authorized Signatory

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## Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

5r No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	The state of the s	LES-CCL/FF/MF/SC/1151	15/07/2021	14/07/2022

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 03-DTA-2017)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - AL 112	LES-CCL/FF/PM/SC/1107	15/07/2021	14/07/2022	

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



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Lab accredited by MoEF & CC Valid up to 93.11.2023 & Certified by ISC 9001-2013 & ISC 45001 1-2010

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		AMBI	ENT A	IR QUAL	ITY MONITORIN	G REPO	RT			
Rep	ort Date	02/07/2	022							
M/s. Megawide			e Construction DMCC International Airport Limited							
Address of Client Mopa, Goa										
Sampling Plan SEEPL/LD/FM		D/FMT	I-54 Sampling Procedure No.			SEEPL/QSP-10				
Sample Collected By SEEPL Repre		eprese	resentative							
Month of Sampling June 2022										
				AMBIEN	T AIR LOCATION					
Loca	ation of amble	nt air station	Satar	da(Mahara	ishtra State)[M-A1)					
Ave	rage Ambient	Temperature (°C)	30.4	Average Humidity (%) 73			Latitude	N15%43'01.3"		
Average Wind Speed (lon/hr) 1.4				A Committee of the Comm	erage Wind direction (Deg) 236 Longitude   E73º46			E73046'0	0.2"	
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G	PS [APM	-411)			
Sr.	r. Date of			PARAMETERS						
No	Sampling	Report No.	Report No.		PM <sub>z,5</sub>	SO2	NOx	CO	SPM	
1	02/06/2022	SEE/AR/06/2022/0040		37,69	17.71	<3.00	<6.00	0.03	55.76	
2	06/06/2022	SEE/AR/06/2022/0120		29.68	9.23	<3.00	6.57	0.05	39.11	
3.	09/06/2022	SEE/AR/06/2022/0235		18.14	7.86	<3.00	<6.00	0.03	26.13	
4.	13/06/2022	SEE/AR/06/2022/0286		19.86	6.36	<3.00	<6,00	0.06	26.63	
5.	16/06/2022	SEE/AR/06/2022/0383		21.01	8.23	<3.00	<6.00	0.05	29.3	
5.	20/06/2022	SEE/AR/06/2022/0445		22.48	7.36	<3.00	<6.00	0.03	28,3	
7.	23/06/2022	SEE/AR/06/2022/0521		14.08	6.99	<3.00	<6.00	0.03	20.93	
В.	27/06/2022	SEE/AR/06/2022/0584		23.45	5.36	<3.00	<6.00	0.05	30.0	
9,	30/05/2022	SEE/AR/06/2022/0675		21,49	5.99	<3.00	<6.00	0.02	27.9	
NAAQS Limits*			100	60	80	80	4	13-1		
Units			µg/m³	µg/m³	µg/m <sup>3</sup>	µg/m³	mg/m³	ug/n		
Method			IS-5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	(Part 02)	IS 5182 (Part 05)	15 5182( Part 10)	IS 518 Part /		

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Aditya Naik Swart 2)Akash Patlade Northade

Analyzed by

Varsha Pole Reviewed by

Anendeep Sawant Authorized Signatory

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## Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	RDS- APM 460 (SR NO. 1901-DTJ-2014)	LES-CCL/FF/MF/SC/1149	15/07/2021	14/07/2022	

### UV Spectrophotometer

Sr No. Equipment Name		Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 104-DTK-2012)

Sr No. Equipment Name		Certificate No.	tificate No. Calibrated on C	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3402	15/07/2021	14/07/2022

#### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



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Lab according by MoEF A CC Wald up to 05.11.2023 \* Certified by ISO 9001;2016 5 ISO 45001 - 2018

SPACILITY OF SPINE LIFE

	AMBIENT AIR QUA	ALITY MONITORING REPO	ORT
Report Date	02/07/2022		
Name of Client	M/s. Megawide Constru C/o GMR Goa Internatio		
Address of Client	Mopa, Goa		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.	SEEPL/QSP-10
Sample Collected By	SEEPL Representative		
Month of Sampling	June 2022		
	AMBIE	NT AIR LOCATION	

		AMBIENT AIR LOCATION				
Location of ambient air station Dingna(Maharashtra State) [M-A2]						
Average Ambient Temperature (°C)	30.7	Average Humidity (%)	72	Latitude	N 15º46'12.3"	
Average Wind Speed (km/hr)	1.6	Average Wind direction (Deg)	227	Longitude	E 73°49'20.5"	
Instruments Used	FPSU	APM-550), RDS(APM-460) &GPS	TAPM-	411)		

Sr.	Date of	Maria 44-	PARAMETERS						
No	Sampling	Ing Report No.	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM	
1.	02/06/2022	SEE/AR/06/2022/0041	29.28	8.28	3.11	6.30	0.03	48.12	
2.	06/06/2022	SEE/AR/06/2022/0121	26.06	10.60	<3.00	<6.00	0.05	37.99	
3.	09/06/2022	SEE/AR/06/2022/0236	30.41	17/13	<3.00	<6.00	0.06	48.31	
4.	13/06/2022	SEE/AR/06/2022/0287	21.98	6.86	<3.00	< 5.00	0.03	29.22	
5.	16/06/2022	SEE/AR/06/2022/0384	18.85	5.41	<3.00	<6.00	0.02	24.56	
6.	20/06/2022	SEE/AR/06/2022/0446	14.58	6.57	<3.00	<6.00	0.05	21.21	
7.	23/06/2022	SEE/AR/06/2022/0522	8.47	5.07	<3,00	<6.00	0.03	13.29	
8.	27/06/2022	SEE/AR/06/2022/0585	15.49	5.57	<3.00	<6.00	0.02	21.56	
9.	30/06/2022	SEE/AR/06/2022/0676	17.80	6.07	<3.00	<6.00	0.05	24.11	
	NAA	QS Limits*	100	60	80	80	4		
		Units	jig/ m <sup>3</sup>	jig/m³	jig/m³	µg/m²	mg/m³	jig/m²	
		Method	IS 5182( Part 23)	Lab SOP NO. SEEA DISOP-AA-04	(\$ 5182 (Part 02)	IS 5162 (Part. 06)	13 5182( Part 10)	1S 5182( Part IV)	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik , 2 2) Akash Pattade Trahadi

Analyzed by

Varsha Pole Reviewed by Authorized Signatory

HEAD GET, & LAB - Plot No. A.55, Road No. 16, Klaim Rigger Road, M.L.D.D. Wegle (educated Area, Thomas 400 604, Managersters Ettals, India (D) ((1.22) 2583 351 ( ) 501 332 ( 2593 332 ( 2593 332 E-mail ) prezidentaleses y micros predictor (5) gradient Chambel By Ministry of Esvinciment, Forest & Clamine Change, Grow Clambia, E. D. 657 (b).

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## Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	RDS- CEIS 121(SR NO.01-DTB-2017)	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022	

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 110-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - APM 550 MINI	EI/FF/3540	18/02/2022	17/02/2023	

### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



III 300/307, Plot No. 91, Paul Estate Ruis Miccon Veren. Alth. Old throm food. Binder, Paryonn, Parye-Sci-400-101 Gos Sele, India. 40 : (0032) 94113727 2411303 \* E-mid. startabeou@reditmid.com

Lab according by MoFF & Ci2 Valid up to 03.11.2071 + Centilize by (SO-900) 2015 & (SO 45001 : 2018

JANE BURHES VAVELUE

		AMBI	ENT/	IR QUAL	ITY MONITORIN	IG REPO	RT			
Rep	ort Date	02/07/2	022							
Nan	ne of Client	of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited								
Add	iress of Client	Mopa, G	oa							
San	ipling Plan	SERPL/I	D/FM	1-54	Sampling Proces	lure No.	SEEPL/QSI	-10		
San	ple Collected I	By SEEPLR	eprese	ntative						
Mot	nth of Sampling	g June 202	022							
				AMBIEN	T AIR LOCATION					
Lac	ation of ambie	ni air station	Neta	rde(Mahar	ashtra StateJ(M-A3	)				
Ave	rage Ambient	Temperature (°C)	30.1	Average	Humidity (%)	74	Latitude	N 15946'1	1.7"	
Ave	rage Wind Spe	ed (lou/hr)	1.5	Average	Wind direction (De	ction (Deg.) 245 Longitude E 73°50'48.0"			8.0"	
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G	PS [APM -	-411)			
Sr.	Date of	Report No.	PARAMET			30.000				
No	Sampling	2.7 7.2.4000		PM <sub>10</sub>	PM <sub>2.5</sub>	SOz	NO <sub>2</sub>	CO	SPM	
1	02/06/2022	SEE/AR/06/2022/	0042	21.19	8.82	<3.00	8.14	0.05	37.14	
2	06/06/2022	SEE/AB/06/2022/	0122	27.08	18.84	=3.00	<6,00	0.03	46.90	
3.	09/06/2022	SEE/AR/06/2022/	0237	17.94	10.72	<3.00	<6.00	0.06	28.90	
4	13/06/2022	SEE/AR/06/2022/	0268	16.94	6.69	<3.00	<6.00	0.02	24.07	
5.	16/06/2022	SEE/AR/06/2022/	0385	25:34	17.09	<3.00	<6.00	0.05	42.57	
6	20/06/2022	SEE/AR/06/2022/	0447	14.79	9.65	<3.00	<6.00	0.03	24.45	
7.	23/06/2022	SEE/AR/06/2022/	0523	10.16	6.99	<3.00	<6.00	0.06	17.20	
B.	27/06/2022	SEE/AR/06/2022/	0586	22.04	5.86	<3.00	<6.00	60.0	36.15	
9.	30/06/2022	SEE/AR/06/2022/	0677	26.08	9,27	<3.00	<6.00	0.02	35.66	
	NAA	QS Limits*		100	60	80	80	4		
		Units		pg/m1	ng/m/	juz/m <sup>1</sup>	µg/m³	mg/m <sup>‡</sup>	µg/ra	
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	15 5182 (Part 06)	IS 5182( Part 10)	Part IV	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1) Adilya Naik 2) Akash Pattade (Achad) Analyzed by

Varsha Pole Reviewed by

Anarrageo Sawant Authorized Signatory

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BRANCH OFF. 310, Delipo Toward, EDC Patin, Panag-403 001. Don State, India (7): (0832) 2607/069 / 2657 164 Page 182 of 567 E-mail: mankameveragenoiffmat.com • Wahalle: www.tachikers.gvm.com • City. U45200W (10108/TG-11627)

## Calibration details of Equipment used for Sampling & Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
01		LES-CCL/FF/MF/SC/1144	15/07/2021	14/07/2022

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler ( 5R NO. 105-DTIC-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

### CO METER

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT 1.14)	20/11/2021	19/11/2022



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Latin persentials by Maid A CC Visco up to 03. Ft 2021 # Corolled by ISO 9001:2015 & ISO 45001 : 2018

	AMBIENT AIR QUA	ALITY MONITORING	REPORT			
Report No.	SEE/AR/06/2022/0238	SEE/AR/06/2022/0238 Date of Issue 15/06/2022				
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited				
Address of Client	Mopa, Goa	Mopa, Goa				
Sample Collected By	SEEPL Representative		Environmen	tal condition of Lab		
Date of Sampling	09/06/2022	Temperature(°C)	28.0	Humidity (%)	65	
Analysis Started On	13/06/2022	Analysis Complet	ed On	15/08/2022		

#### AMBIENT AIR LOCATION

Location of ambient air station	Mopa Boundary (Goa State)	
Instruments Used	Organic Vapour Sampler	

### Chemical Testing - Atmospheric Pollution

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by

Anapogep Sawant Authorized Signatory

### Calibration details of Equipment used for Sampling & Analysis

### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OV5 Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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Lab accredited by MoEF & CG Valid up to 63.11.2523 # Geratinal by ISD 9001.2015 & ISO 45001. 3618

	AMBIENT AIR QUA	ALITY MONITORING	REPORT			
Report No.	SEE/AR/06/2022/0239	SEE/AR/06/2022/0239 Date of Issue 15/06/2022				
Name of Client		M/s, Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Mopa, Goa					
Sample Collected By	SEEPL Representative	FL Representative Environmental condition of Lab				
Date of Sampling	09/06/2022	Temperature(°C)	28.0	Humidity (%)	65	
Analysis Started On	13/06/2022	Analysis Complete	ed On	15/06/2022		

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mope Airport Premises)	
Instruments Used	Organic Vapour Sampler	

#### Chemical Testing - Almospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kupdoskar Analyzed by

Varsha Pole Reviewed by

hopdekar

Anapater Sawant Authorized Signatory

### Calibration details of Equipment used for Sampling & Analysis

### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OV5 Sampler	24-DTD-2016	EI/FF/3524	18/02/2022	17/02/2023



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	AMBIENT AIR QUA	ALITY MONITORING	REPORT				
Report No.	SEE/AR/06/2022/0240	Date of	Date of Issue		2		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa	Mopa, Goa					
Sample Collected By	SEEPL Representative	Environmental condition of Lab			1		
Date of Sampling	09/06/2022	Temperature(9C)	28.0	Humidity (%)	65		
Analysis Started On	13/06/2022	Analysis Completed On		15/06/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Tast results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Suamita Kapdoskar Analyzed by

Varsha Pole Reviewed by Authorized Signatory

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## Calibration details of Equipment used for Sampling & Analysis

### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
0.1	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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	NOISE LEVEL	MONITORING RE	PORT				
Raparr Na.	SEE/AR/05/2022/0289-0290_0417-0418_0367. Date of Ishuri 28/06/2022						
Name of Client		M/s. Megævide Construction DMDC C/o GMR Gog international Airport Limited					
Address of Client	Wopa, Goa						
Sample Collected By	SEEPL Representative	SEEPL Representative					
Sampling Plan	SEEPL/LD/FMT-54	Sampling Prop	edure No	SEEPL/OSP-10			

Chemical Testing - Atmospheric Pollution

Sr.	Date of	Date of Report No.	Statio	Zo	Sampling Location	Day Time Noise in dB(A)			Night Time Noise in dB(A)									
ND	Monitoring		nio	ne		Lmin	Lmax	Leq	Lmin	Lmax	Log							
1.	13/06/2022	SEE/AR/06/2022/0289	G-N1	1	Meps Boundary	30.0	77.8	58.5	30.1	70.0	52.5							
2.	13/06/2022	SEE/AR/06/2022/0290	G-N2	1	Shamecheadvan Boundary	31.3	79.6	57.5	30.7	69,6	51.7							
3,	19/06/2022	SEE/AR/06/2022/0417	G-N3	C	Negzar	31.3	74.4	51.6	32,6	67.6	ABE							
4	10/06/2022	SEE/AR/06/2022/0418	G-N4	R	Purva Casaryamem Chandel	30,0	55.5	47.5	30,0	55.7	39.7							
5.	16/06/2022	SEE/AR/06/2022/0387	G-N5	R		30.0	72.1	44.8	30.0	57.6	37.3							
8.	17/08/2022	SEE/AR/06/2022/0399	G-N5	R	Khaine Amere Porscodem	30.0	69.7	45.3	30.0	50,1	36.9							
7.	16/06/2022	SEE/AR/06/2022/0386	G-N7	R	R	R	R	R	R	R	R	Warknand	30,3	69.5	49.9	31.9	54.2	39.€
8.	21/06/2022	SEE/AR/06/2022/0485	G-NG	C	Rajvil Wada Torxem	30.0	75.8	52.1	30.0	60.4	45.4							
9,	22/06/2022	SEE/AR/06/2022/0498	G-N9	0	Village Panchayat Tamboxam -Mopa- Ugvern	30.0	71.3	58.8	30.B	65,9	46.9							
10.	17/06/2022	SEE/AR/06/2022/0400	M-N1	R	Satarda	30.0	69.7	49.4	31.1	53,7	39.8							
11.	21/06/2022	SEE/AR/06/2022/0486	M-N2	R	Dingna	30.0	69.7	45.1	30.0	55.8	30.4							
12.	22/06/2022	SEE/AR/06/2022/C499	M-N3	R	Netarde	33.4	72,1	45.6	33.7	55.6	369							

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schodule III of "The Environment (Protection) Rules, 1986" are as follows.

Area Code	Category of Area	Limits in dB(A) Leg		
eco code	Salegoly of Alex	Day Time	Night Time	
(A)	Industrial Area (1)	75	70	
(B)	Commercial Area ( C )	85	55	
(C)	Residential Area (R)	55	45	
(0)	Skanca Zona (S)	50	40	

Day time is reckoned in between 6.00am to 10,00pm and night time is reproned in between 10,00pm to 6.00am.

768(A) Lag denotes the time weighted average of the level of sound in decibers on scale A which is relatable to human hearing. A "deciber" is a unit in which noise is measured.

"A". In dB(A) Leg, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the

Leq: It is the energy mean of the noise level over a specified period

Note: Montioning has been done as per GPCB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Swnffvan Gawas Monitored by

Varana Pole

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## Calibration Details of Equipment used for Sampling

### Noise Level Meter No.1(A0913-1393)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
31	Noise Level Meter	LES-CCL/MECH/SLM/346	18/07/2021	18/07/2022

## Noise Level Meter No.2 (A0114-1408)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date	
01	Noise Level Meter	LES-CCL/MECH/SLM/347	18/07/2021	18/07/2022	



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Lob nonvention by MoSEF & GC Value up to 03 11 2002 \* Cembra by SIC 9001 2016 & GC 4501 : 2016

SPINE LIFTER SPINE LIFE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/247		Issue Date	15/06/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mona, Goa					
	In the second second second		Annual Canada and Lab	Tamp ° C	Humidity %	
Order / Reference	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside outfall 2 ( CV18) A	mberem				
Sample details	Storm Water Outfail 2		Date of collection	10/06/20	322	
Sample Collected by	SEEPL Representative		Sample Received On	10/06/20	122	
Analysis Started On	10/06/2022		Analysis Completed On	15/08/20	122	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.75	-	APHA( 23 <sup>rt</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Cxygen Demand (27°C 3 day)(BCD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	79.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 Fedition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	45,00	mg/lit	APHA(23 <sup>-d</sup> Edition) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

Varsha Pole Reviewed By Animatep Sawant Authorized Signatory

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				Calibration Details		
Sr. No.	Equipment Name	Equipment td	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E20 <b>22/04/0</b> 24	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lan normalited by MoEF & 62: Wind on in 03:11 2020 a Comfied by ISO 1001 2015 & ISO 45001 2016.

SPIKE LUTTED SAVELEE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/248		Issue Date	15/06/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Umited				
Address of Client	Mopa, Goa					
s s nes		Environmental Condition of Lab		Temp <sup>6</sup> C	Humidity %	
Order / Reference	As per dated 10/06/2022			28	68	
Sampling Plan	SEEPL/LD/FMT-54	Sempling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall - 3 (Varcons	la)				
Sample details	Starm Water Outfall 3		Date of collection	10/06/2022		
Sample Collected by	SEEPL Representative		Sample Received On	10/06/20	)22	
Analysis Started On	10/06/2022		Analysis Completed On	15/06/20	)22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
10	рН	7.13	-	APHA( 23riEdition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	12.00	mg/lit	APHA( 23=Edition ) 5220-B
3.	Blochemical Cxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	59.00	mg/lit	APHA( 23rtEdition ) 2540-D
5.	Oll & Grease (O & G)	2.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	36.00	mg/lit	APHA(23rdEdition) 2540-C

Note: Test results related only to the sample tested.

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. Asmita Sawant Analyzed by

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Varsha Pole Reviewed By Ansadeep Sawant Authorized Signatory

HEAD OFF, IL-CAR : Plot No. A-05, Road No. 10, Kicum Roger Road, M I.D.C. Wagin Industrial Area, Thomas - 800 (iii) 4, Mahawashtra Jihita, India (f): (UT-22) 2583-2321 / 2583-5322 / 2583-3323 / 2583-3324 E-mail: programmin constructors / positional con-

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wn				Calibrat	on Details
St. No.	Equipment Name	Equipment (d	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/032	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/250		Issue Date	15/06/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mopa, Goa					
		Environmental Condition of Lab		Temp <sup>a</sup> C	Humidity %	
Order / Reference	As per dated 10/06/2022			28	58	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside outfall 5 (Chandel)					
Sample details	Storm Water Outfall 5		Date of collection	10/06/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	10/06/20	22	
Analysis Started On	10/06/2022		Analysis Completed On	15/06/20	22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	7.20		APHA(23#Edition) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	12,00	mg/lit	APHA('23rtEdition') 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4,	Total Suspended Solids (TSS)	59.00	mg/lit	APHA( 23rdEdition ) 2540-D
5	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23™Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	32,00	mg/lit	APHA(23NEdition) 2540-C

Note: Test results related only to the sample tested.

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, Mugdha Gawade Analyzed by

Varsha Pole Reviewed By Anendeep Sawant

Authorized Signatory

		[		Calibrat	lon Details
Sr. No.	Equipment Name	Equipment ld	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lab accommed by MoDF & CC Valerup to till 11, m27 # Certified by ISO 0001;2015 & 602 45001 - 2016

SHYE LUTTER SPUE LIFE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/251		Issue Date	15/06/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Olient	Mopa, Goa					
VG 38	C WOOT OUT CONTRACTOR CONTRACTOR		and the Condition of Lab	Temp <sup>3</sup> C	Humidity %	
Order / Reference	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall 1 (Main )	gate)				
Sample details	Storm Water Outfall 1		Date of collection	10/06/20	122	
Sample Collected by	SEEPL Representative		Sample Received On 10/0		06/2022	
Analysis Started On	10/06/2022		Analysis Completed On 15/0		06/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pН	8.95	-	APHA(23FEdition) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	70.00	mg/lit	APHA(:23 <sup>rt</sup> Edition:) 2540-D
5.	Oll & Grease (O & G)	<1,00	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	39.00	mg/lit	APHA( 23 <sup>-</sup> /Edition ) 2540-C

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed by

hopdekay Varsha Pole Reviewed By

Anjurdeep Sawant Authorized Signatory

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(f): (91-27) 2583 332 17 2583 3127 12883 3323 12383 3324 e E-mail : proglazióniam/nylocom / pseciólar/s/ggmallonii

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lab according by MoEF & CC Voliding to 55 th 2020 & Certified by ISO 9001-2015 & ISO 45501 - 2018

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	ANALYSIS REPO	ORT FOR I	WATER SAMPLE			
Report No.	SEE/06/2022/253		Issue Date	15/06/20	22	
Name of Client	M/s. Megawide Constructio C/o GMR Goa International	n DMCC al Airport Li	mited			
Address of Client	Mopa, Goa					
5 9 37 5 5	F. S. TOCKNO - V. 2. SAN 4400 (EV.)	Environmental Condition of Lab		Temp <sup>a</sup> C	Humidity %	
Order / Reference	As per dated 10/06/2022			28	68	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall -3 (Behind	MCDMC	Office)			
Sample details	Storm Water Outfall 3		Date of collection	10/06/20	22	
Sample Collected by	SEEPL Representative		Sample Received On 10		122	
Analysis Started On	10/06/2022		Analysis Completed On 15		5/06/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity 10		+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.42	-	APHA( 23*Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	79.00	mg/lit	APHA( 23r/Edition ) 2540-D
5.	Oil & Grease (O & G)	1.40	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	35.00	mg/lit	APHA( 23rd Edition ) 2540-C

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed by

Varsha Pole Reviewed By

Arrandeep Sawant Authorized Signatory

		·		Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meler	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	0/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022	



S 309/367, Prot No. 01, Parol Estate. Fisis Magus, Venua, Alio, Old Berlin Road, Bardez, Provorva, Parolp Ose 400 101. Goe Shire, India, (C) 40832/2411322 / 2411123 \* S-rual : startabona@rediffical.com

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/245		Issue Date	15/06/20	22	
Name of Client	Mrs. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	water to the same parties of the same parties		assessment Consolitions of Lab	Temp * C	Humidity %	
	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall 2 (CV-13) Ar	mberem				
Sample details	Storm Water Outfall 2		Date of collection	10/06/20	122	
Sample Collected by	SEEPL Representative		Sample Received On	10/06/20	022	
Analysis Started On	10/06/2022		Analysis Completed On	15/06/20	322	
Sample Container	Glass Bottle + PVC Can	Glass Bottle + PVC Can		1000 m	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	6.95	121	APHA( 23=Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 23 <sup>rg</sup> Edition ) 5220-B
3.	Bicchemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	76.00	mg/lit	APHA( 23 <sup>ed</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.20	mg/lit	APHA( 23"Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	43.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Anerideeo Sawant Authorized Signatory

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_				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
D1.	pH Mater	Q/062	2021/09/001	04/09/2021	04/09/2022	
02	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MoEF & CC Valid up to 03 11,2023 \* Cartified by ISO 9001.2015 & ISO 45061 - 2018

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/246		Issue Date	15/06/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International	n DMCC Il Airport L	imited			
Address of Client	Mopa, Goa			Temp 0 C		
Order / Reference		· Personne	The state of the s		Humidity %	
	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall 2 (CV-13A)	Amberem				
Sample details	Storm Water Outfall 2		Date of collection	10/06/20	22	
Sample Collected by	SEEPL Representative		Sample Received On 10/0		/06/2022	
Analysis Started On	10/06/2022		Analysis Completed On 15/00		3/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity 10		+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	5.84	£ .	APHA(23//Edition) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 *Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2,00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	89.00	mg/lit	APHA( 23º/Edition ) 2540-D
5.	Oll & Grease (O & G)	1.40	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	49.00	mg/lit	APHA( 23 Edition ) 2540-C
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Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed by

Varsha Pole Reviewed By

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Avandeep Sawant Authorized Signatory

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lab acceptabled by MnSF & CC Valid up to 03.11 2023 & Confined by ISO 9001 2015 8:500 45001 2016

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/252		Issue Date	15/06/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited					
Address of Client	Mopa, Goa					
Order i Reference	Control of the second s	9-1000	- Constitution of Calculation of Calculation		Humidity %	
	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall -2 ( Tulas	karwadi)	D1			
Sample details	Storm Water Outfall 2		Date of collection	10/06/20	)22	
Sample Collected by	SEEPL Representative		Sample Received On	10/06/20	)22	
Analysis Started On	10/06/2022		Analysis Completed On	15/06/20	)22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1	На	6,93	-	APHA( 23r/Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	61.00	mg/lit	APHA( 23 <sup>ele</sup> Edition ) 2540-D
5,	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23"Edition ) 5520-C &G
6.	Total Dissolved Solids (TDS)	40.00	mg/iit	APHA( 23 <sup>M</sup> Edition ) 2540-C
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23 <sup>M</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant

Analyzed by

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Varsha Pole Reviewed By

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Anarosep Sawant Authorized Signatory

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				Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lab according by MoEF A CC Valid up to C3 11 2023 • Continut by SIG 9001 2015 & BIG 45001 - 2016

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/249		Issue Date	15/06/2	022	
Name of Client	Ms. Megawide Constructio C/o GMR Goa Internationa		imited			
Address of Client	Mopa, Goa					
	CONTROL VALUE AND		emental Condition of Lab	Temp ° C	Humidity %	
Order / Reference	As per dated 10/06/2022	Environmental Condition of Lab		28	68	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall 4 ( Hot Mix F	lant)				
Sample details	Storm Water Outfall 4		Date of collection	10/06/2	022	
Sample Collected by	SEEPL Representative		Sample Received On	10/06/2	022	
Analysis Started On	10/05/2022		Analysis Completed On	15/06/2	022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	рН	7.52	-	APHA( 23#Edition ) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23 <sup>m</sup> Edition ) 5220-B	
3.	Blochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	75.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D	
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23"Edition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	42.00	mg/lit.	APHA( 23 <sup>rd</sup> Edition ) 2540-C	

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

MINIMA Shweta Sawant Analyzed by

Varsha Pole Reviewed By Arian leep Sawant Authorized Signatory

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Guzatti d By Ministry of Environment, Fovest & Climato Change, Gost Ochura, S. O. 457 (C)

BRANCH DEF. ( 310, Demos Towers, EDC Patts, Pares 403 001 God State, India (7): (0532) 2437048 / 3437164

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Ch - 14520914H comp TC Page 208 of 567

				Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/D4/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	O/008	T2021/11/006	11/11/2021	11/11/2022



B-506007, Plin No. 81, Pater Estate, Reis Mugos, Verein, Ato, Clid Beton Rood, Bardinz, Porverin, Parelli Gos-103 101, Gos State, India, 37 ± (1002) 2411022 / 3411023 \* E-mail: Molegoadgrentfereit com

Lab accreated by MnEF & GC Visid up to 10,11,2023 \* Enriched by ISO 9001,2015 & ISO 45501 . 2016

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	ANALYSIS REPO	ORT FOR V	VATER SAMPLE		
Report No.	SEE/06/2022/540		Issue Date	28/06/20	22
Name of Client	M/s. Megawide Constructio C/o GMR Goa Internationa		mited		
Address of Client	Mopa, Goa				
20.000 - 1. <del>20</del> 0.02	Section State of the State of t	P4201020	accepted Condition of Lab	Temp <sup>a</sup> C	Humidity %
Order / Reference	As per dated 23/06/2022	/2022 Environmental Condition of Lab		28.1	67
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	Procedure No.	SEEPL/QSP	-10
Sampling point	Landside Outfall -2 (Tulas	karwadi)			
Sample details	Storm Water Outfall 2		Date of collection	23/06/20	22
Sample Collected by	SEEPL Representative		Sample Received On	23/06/20	122
Analysis Started On	23/06/2022		Analysis Completed On	28/06/20	122
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.20	-	APHA( 23 "Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23 <sup>re</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	72.00	mg/lit	APHA( 23//Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	tng/lit	APHA( 23riEdition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	48.00	mg/lit	APHA( 23rdEdition ) 2540-C

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed by

Varsha Pole Reviewed By

Anartheep Sawant Authorized Signatory

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Page 210 of 567

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	0/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	15/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Linb accounting by MoEF & CC Valid up to 00.11 2023 # Cardifue; by ASO 9001-2015 & ISO 45001 : 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/541		Issue Date	28/06/	2022	
Name of Client	M/s. Megewide Construction C/o GMR Goa International	n DMCC Il Airport L	imited			
Address of Client	Mopa, Goa					
SERVE TOWN ACT	Leave Note to Dayward Bar	ring no. Carlain country Country		Temp 0	C Humidity %	
Order / Reference	As per dated 23/06/2022	Enviro	nmental Condition of Lab	28.1	87	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	ng Procedure No.	SEEPL/Q	SP-10	
Sampling point	Landside Outfail 1 (Main g	jate)				
Sample details	Storm Water Outfall 1		Date of collection	23/06	2022	
Sample Collected by	SEEPL Representative		Sample Received On	23/06	23/06/2022	
Analysis Started On	23/06/2022		Analysis Completed On	28706	2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000	ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	Hq	7.18	985	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	12.00	mg/lit	APHA( 23 "Edition ) 5220-B
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	75.00	mg/lit	APHA( 23 <sup>rg</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23"Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	44.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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orentar-Shwata Sawant Analyzed by

Varsha Pole Reviewed By

Anenteep Sawant Authorized Signatory

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022



B 309/307, Plot No. 91, Patel Estiso, Rais Magos, Verent, Alto, Od Bistim Road, Barder, Porvoleir, Pates Coli 403-101. Gea Swis, India, 10. (1993) 3111322 / 3111323 \* E-mail: startabgas@pred@mail.com SPINELLIERER SPINELLIER

Lab according by McEF & CC Valid up to 03.11.2923 \* Denilled by ISO 9001:2015 & ISO 4500 F; 2016

	ANALYSIS REPO	ORT FOR I	NATER SAMPLE			
Report No.	SEE/06/2022/548		Issue Date		28/06/2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa Internationa	n DMCC I Airport Li	mited			
Address of Client	Mopa, Goa					
CONTRACTOR OF THE PROPERTY OF	D F WEST DESCRIPTION	940V8040	and the sealth of Constitution of Lab	T	етр оС	Humidity %
Order / Reference As per dated 23/06/202	As per dated 23/06/2022	Environmental Condition of Lab		28.1		67
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SE	EPL/QSP	-10
Sampling point	Airside outfall 2 ( CV18) At	mberem				
Sample details	Storm Water Outfall 2		Date of collection		23/05/20	7.2
Sample Collected by	SEEPL Representative		Sample Received On		23/05/20	22
Analysis Started On	23/06/2022		Analysis Completed On		28/06/20	22
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1,	рH	7.12	-	APHA( 23/6Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24.00	mg/IR	APHA( 23"Edition ) 5220-B
3.	Biochemical Oxygen Demand (279C 3 day)(BOD)	4.50	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	71.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 2540-D
5,	Oil & Grease (O & G)	1,40	mg/lit	APHA( 23rdEdition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	44.00	mg/lit	APHA( 23 Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By A A

Anarlowen Sawant Authorized Signatory

				Calibration Details		
Sr. No.	The state of the s	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab accredition by MoEF & CC Valid up to 63.11.2023 \* Certified by ISO 9001:2016 & ISO 45001 . 3018

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ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No. SEE/06/2022/549		Issue Date	28/06/20	22	
		imited			
Mopa, Goa					
	2022 Environmental Condition of Lab		Temp <sup>q</sup> C	Fiumidity %	
As per dated 23/06/2022			28.1	67	
SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Airside outfall- 3 Varconda					
Storm Water Outfall 3		Date of collection	23/06/20	22	
SEEPL Representative		Sample Received On	23/06/2022		
23/06/2022 An		Analysis Completed On	28/06/20	)22	
Glass Bottle + PVC Can S		Sample Quantity	1000 mi	1000 ml + 1000ml	
	SEE/06/2022/549  M/s. Megawide Construction C/o GMR Goa International Mopa, Goa  As per dated 23/06/2022  SEEPL/LD/FMT- 54  Airside outfall- 3 Varcondal Storm Water Outfall 3  SEEPL Representative 23/06/2022	SEE/06/2022/549  M/s. Megawide Construction DMCC C/o GMR Goa International Airport L Mopa, Goa  As per dated 23/06/2022 Enviro SEEPL/LD/FMT- 54 Samplin Airside outfall- 3 Varcenda Storm Water Outfall 3 SEEPL Representative 23/06/2022	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited Mopa, Goa  As per dated 23/06/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No. Airside outfall-3 Varconda Storm Water Outfall 3 Date of collection SEEPL Representative Sample Received On 23/06/2022 Analysis Completed On	SEE/06/2022/549         Issue Date         28/06/20           M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited         Temp 9 C           Mopa, Goa         Temp 9 C           As per dated 23/06/2022         Environmental Condition of Lab           SEEPL/LD/FMT-54         Sampling Procedure No.           Airside outfall-3 Varcenda         Storm Water Outfall 3           Stern Water Outfall 3         Date of collection         23/06/20           SEEPL Representative         Sample Received On         23/06/20           23/06/2022         Analysis Completed On         28/06/20	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рH	6.75	(3)	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24,00	mg/lit	APHA( 23=Edition ) 5226-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	18.00	mg/lit.	APHA( 23MEdition ) 2540-D
5.	Oll & Grease (O & G)	2.00	mg/lit	APHA( 23**Edition ) 5520-O &G
б.	Total Dissolved Solids (TDS)	30.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Arrandeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	C)/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD Incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



B-300/367, Flot No. 11, Panel Sasko, Role Magos, Veron, Alto, Old Birtim Road, Berder, Pervolen, Palusi Goli-403 101, Con Stree, India, № . (0637) 24113227 2411323 ★ E-mail - startistycol@meditmail.com

Lab accreding by McEF & CC Valid up to 03.11.2023 \* Dentiled by ISO 9001.2019 & ISO 40001 : 2016.

STIVE LIFTON SEIVE UTIL

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/550		Issue Date	28/06/20	22		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Cliant	Mopa, Goa				4		
en rea		per dated 23/05/2022 Environmental Condition of Lab		Temp ° C	Humidity %		
Order / Reference	As per dated 23/05/2022			28.1	67		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall 2 (CV-13) A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	23/06/26	322		
Sample Collected by	SEEPL Representative		Sample Received On	23/06/2022			
Analysis Started On	23/06/2022		Analysis Completed On	28/06/2022			
Sample Container	Glass Bottle + PVC Cen		Sample Quantity	1000 m	1000 ml + 1000ml		

			_	_	
Chemi	cal	Para	am	at	ers

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.04	6	APHA( 23#Edition ) 4500 H+-8
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	59.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>sted</sup> Edition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	26.00	mg/lit	APHA( 23rdEdition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Apandeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	C)/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by NoSE & CC Valid up to 03, 11,2023 & Certified by ISO 9001,2016 & ISO 45001, 2010

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/551		Issue Date	28/06/20	22		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited					
Address of Client	Mopa, Goa						
5900			nmental Condition of Lab	Temp * C	Humidity %		
Order / Reference	As per dated 23/06/2022	Chyadan Engal Condition of Lov.		28.1	67		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPLIQSP-10			
Sampling point	Airside Outfall 2 (CV-13A)	Amberem					
Sample details	Storm Water Outlail 2		Date of collection	23/06/2022			
Sample Collected by	SEEPL Representative		Sample Received On	23/06/2022			
Analysis Started On	23/06/2022		Analysis Completed On	28/06/20	122		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.90	165.	APHA( 23rdEdition ) 4500 H+-8
2.	Chemical Oxygen Demand (COD)	32.00	mg/lit	APHA( 23"Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	4.80	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	78.00	mg/lit	APHA( 23FEdition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23rdEdition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	42.00	mg/lit	APHA( 23 Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Apendeep Sawant Authorized Signatory

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_				Calibration Details		
Sr. No.	Equipment Name	ulpment Name Equipment   Certificate No.	Calibration Date	Next Calibration Due Date		
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



B-006/257; Plot No. 61, Parel Estato: Reis Magne, Yerore, Aho, Old Bellio Road, Barduz, Poncolin, Parell-Sno-403 103. Con State, India: © 1083212411322 / 2411323\* E-mail: station/peopless/freelfeest

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/539		Issue Date		28/06/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Gos						
- V 090 -:		#10.1654	- A VICTOR OF THE CONTRACT OF		amp o C	Humidity 9	
Order / Reference	As per dated 23/06/2022	Environmental Condition of Lab		28.1		67	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside outfall 5 (Chandel)						
Sample details	Storm Water Outfall 5		Date of collection		23/06/2022		
Sample Collected by	SEEPL Representative		Sample Received On		23/06/2022		
Analysis Started On	23/06/2022		Analysis Completed On		28/06/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	7,32	=	APHA( 23rlEdition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23ºEdition.) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2,00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	63.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23rdEdition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA(23rtEdition) 2540-C

Note: Test results related only to the sample tested.

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. Asmita Sawant Analyzed by Varsha Pole
Reviewed By

Angueten Saward Authorized Signatory

HEAD OFF, & LAB : Plot No. A-95, Rood No. 15, Kisun Hagar Rood, M.LD.C. Wagits industrial Press, Thoma: 400-004, Maturminho State, India. (C) (811-22) 2563-3321 / 2563-3321 / 2563-3321 / 2563-3321 / 2563-3321 / 2563-3321 /

Contribed by Ministry of Etymograms. Forms & Climite Change. Cost Of Reducts. D. 657 (E)

BRANCH OFF. 130, Dempo Tywers, EDC Parts, Paragi-403 001, Gcar State, Sertia (C. (0832) 2437048 / 2497164 Page 222 of 567 E-mail: Sed-Eurenwird Fred Ministration \* West-State : www.sach-Carettyno.com \* City - U45200MH7998

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Galibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



B-100/XXX, Plot No. 61, Palet Estate: Sals Mages, Verse, Ale. Old Bullin Scad, Burdez, Poryorin, Plates Gra-403 101. One State, Innis. 77 (0852) 2411022 / 2411023 E-mail: startistiges@millfrest.com

Lith according by Motif & CC Velid up to 10, 11 2023 \* Certified by ISO Isl01 2015 & ISO 45501 - 2018

SAVE LURIER SAVEUR

	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/06/2022/552		Issue Date	28/06/20	122
Name of Client	Ws. Megawide Construction		mited		
Address of Client	Mopa, Goa				
CONTRACTOR CONTRACTOR		Parama	nmental Condition of Lab	Temp °C	Humidity %
Order / Reference	As per deted 23/06/2022	Environ	Internal Corphological Cau	28.1	87
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/QSF	-10
Sampling point	Airside Outfall 4 ( Hot Mix F	Plant)			
Sample details	Storm Water Outfall 4		Date of collection	23/06/2	022
Sample Collected by	SEEPL Representative		Sample Received On	23/06/2	022
Analysis Started On	23/06/2022		Analysis Completed On	28/06/2	022
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	рН	8.01	2	APHA( 23#Edition ) 4500 H+-B	
2.	Chemical Oxygen Demland (COD)	12.00	mg/lit	APHA( 23º/Edition ) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4	Total Suspended Solids (TSS)	63,00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D	
5.	Oil & Grease (O & G)	<1,00	mg/lit	APHA( 23"Edition ) 5520-0 &G	
6.	Total Dissolved Solids (TDS)	35.00	mg/lit	APHA(23 <sup>rd</sup> Edition) 2540-C	

Note: Test results related only to the sample tested.

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Thought Asmita Sawant Analyzed by

Varsha Pole Reviewed By

Authorized Signatory

	1-1-41/			Calibrat	on Details
Sr. No.	Equipment Name	Equipment id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	0/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	O/009	T2021/11/006	11/11/2021	11/11/2022



B-306007, Plot No. 81. Patel Estate, Pais Magos, Venes, Ale, Old Bellin Rind, Bantez, Physinin. Fanati-Gen. 403 101. God State, India. (C., (D832) 2411322 / 2411323 \* E-mail: startapgraeffred filmali.com

List accresited by MoEF & CC Valid up to 03, 11, 2023 # Conflict by ISO 900 (2015 & ISO 45001 - 2010

STAY: LUFDER SOWI CITY

ANALYSIS REPO	ORT FOR V	VATER SAMPLE			
SEE/06/2022/534		Issue Date		28/06/202	22
M/s. Megawide Construction C/o GMR Goa International	n DMGG I Airport Ll	mited			
Mopa, Goa					1000 Table 100 NA
	Tourism	montal Condition of Lah	Te	mp <sup>a</sup> C	Humidity %
As per dated 23/06/2022	Environ	mental Common of Cac		28.1	67
SEEPL/LD/FMT- 54	Samplin	Procedure No.	SE	EPL/OSP	10
Landside Outfall -3 (Behind	MCDMC	Office)			
Storm Water Outfell 3		Date of collection		23/06/20	22
SEEPL Representative		Sample Received On		23/06/20	22
23/05/2022		Analysis Completed On		28/06/20	22
Glass Bottle + PVC Can		Sample Quantity		1000 ml	+ 1000ml
	SEE/06/2022/534  M/s. Megawide Construction C/o GMR Goe International Mopa, Goe  As per dated 23/06/2022  SEEPL/LD/FMT-54  Landside Outfall -3 [Behind Storm Water Outfall 3 SEEPL Representative 23/05/2022	SEE/06/2022/534  M/s. Megawide Construction DMCC C/o GMR Gos International Airport Li Mopa, Gos  As per dated 23/06/2022 Enviror SEEPL/LD/FMT-54 Sampling Landside Outfall -3 [Behind MCDMCC Storm Water Outfall 3 SEEPL Representative 23/05/2022	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited Mopa, Goa As per dated 23/06/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No. Landside Outfall -3 (Behind MCDMCC Office ) Storm Water Outfall 3 Date of collection SEEPL Representative Sample Received On 23/05/2022 Analysis Completed On	SEE/06/2022/534 Issue Date  M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 23/06/2022 Environmental Condition of Lab  SEEPL/LD/FMT-54 Sampling Procedure No. SEI  Landside Outfall -3 (Behind MCDMCC Office )  Storm Water Outfall 3 Date of collection  SEEPL Representative Sample Received On  23/05/2022 Analysis Completed On	SEE/06/2022/534 Issue Date 28/06/2022  M/s. Megawide Construction DMGC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 23/06/2022 Environmental Condition of Lab  SEEPL/LD/FMT-54 Sampling Procedure No. SEEPL/QSP- Landside Outfall -3 (Behind MCDMCC Office )  Storm Water Outfall 3 Date of collection 23/06/20  SEEPL Representative Sample Received On 23/06/20  23/05/2022 Analysis Completed On 28/06/20

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	pH	7.62		APHA( 23#Edition ) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	32,00	mg/lit	APHA( 23 Edition ) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	4.80	mg/lit	IS 3025 (Part 44)	
4,	Total Suspended Solids (TSS)	80.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 2540-D	
5.	Oll & Grease (O & G)	2.60	mg/lit	APHA( 23rtEdition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	49.00	mg/lit	APHA( 23rdEdition ) 2540-C	

Note: Test results related only to the sample tested.

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Macant

Asmita Sawant Analyzed by

Varsha Pole Reviewed By



Anantieen Sawant **Authorized Signatory** 

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03,	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



U-300/107, Plot No. 51, Palat Estate, Rein Magnis, Wirmin, 7/10, Ont Bellin Pount Bander, Porecein Panaji Gas-103 (fr). God State India. (f) : (0832) 34 (1327) 34 (1324 € C-mail: stands/bgs/sg-modificael/scent

Lab detromited by MoEE & CC Velid up to 31 ft 20/2 a Condisc by ISO 6001-2015 & BIO ASDO: 7818

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	ANALYSIS REP	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/92		Issue Date		07/06/	2022
Name of Client	M/s. Megawide Construction C/o GMR Gos International		ited			
Address of Client	Mops, Goa					
Oran (Outropen)	As any stated 00/08/0000	Emile	onmental Condition of Lab	Temp	0 C	Humidity %
Order / Reference	As per dated 02/06/2022	EDVIC	onmental Condition or Tau	28,	3	88
Sampling Plan	SEEPL/LD/FMT-54	Sampli	ng Procedure No.	SEEPL	QSP-	0
Sampling point	Borewell 1					
Sample details	Ground Water		Date of collection		02/06/	2022
Sample Collected by	SEEPL Representative		Sample Received On		02/06/	2022
Analysis Started On	02/06/2022		Analysis Completed On		07/08/	2022
Sample Container	Glass bottles		Sample Quantity		50001	ורו

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1771	44.00	describ	Testin	m
100	16281	псан	1 1254111	м

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	6.72	4	6.5 - 8.5	IS 3025 (Part 11)
2.	Turoidity	0,63	NTU	1.00	IS 3025 (Part 5)
3.	Tasio	Agraeable	, inc.	Not Specified	APHA( 23ºEdition ) 2160 B
1.	Color	<1,00	Hazen unit	Not Specified	APHA( 23º Edition ) 2120 B
5.	Odour	Agreeable	- 3 -	Not Specified	APHA( 23rd Edition ) 2150 B
8.	Total Alkalinity	74.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	190,00	mg/lit	500,00	IS 3025 (Part 16)
8	Chlorides as CI	26,52	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>4</sub>	<5.00	mg/lit	200.00	IS 3025 (Part 24)
10	Sulfides	<2.00	(ng/lit	Not Specified	APHA( 23rdEdition ) 4500 S?F
11.	Total Hardness às CaCOa	104.00	mg/lit.	200.00	IS 3025 (Part 21)
12	Ammonia	<0.50	mg/lil	0.50	IS-3025 (Part 34)
13.	Mineral oil	<0.1	mg/II	0.50	Clause 6 of IS 3025 (Part 39)

1. Anisha Parab ( Apo

2. Shreyn Harmalker Analyzed by

Varsha Pole Reviewed By

Ananyeep Sawani. Authorized Signatory

HEAD DET. 6 LAB : Plus No. A-25, Wood No. 10, Yourn Nager Mood, M.L.D.C. Wagin industrial Area, Thorne - for soft, Managaritin State, Independent of 3 (i) (i) (2) 25n3 33m (2586 3322 | 2583 (325 / 2585 3324 € med) prefgractive review com / predmints@gmini.com Guardian By Making of Environment, Forter & Climate Change, Gov. Or Make, S. O. 857 (E).

BRANCH OFF. : 310, Dumpo Yources, CDC Paring -403 001. Box State, Incia (2) (URIZ) 2437068 (2437068) E-mail: 1-models and 1-mail: 1

Report No.	SEE/06/2022/92	Issue Date	07/06/2022
Order / Reference	As per dated 02/06/2022	Sample Received On	02/08/2022
Analysis Started On	02/06/2022	022 Analysis Completed On	
Name of Client	M/s. Megavide Construction DN C/o GMR Goa International Air		

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15,	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45,00	1S 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23*Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA(23#Edition) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23 dedition ) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA(23"Edition) 5540 - C

Metal Analysis

etal	Analysis				
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	17.63	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 3500Ca B
24.	Gadmium as Cd	<0.001	mg/lit	0,003	IS 3025 (Fart 2)
25.	Iron as Fe	0.17	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	rng/M	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	14.57	mg/lit	Not Specified	APHA(23*Edition) 3500Mg B
28.	Chromium as Cr	<0,01	mg/lit	Not Specified	APHA( 23/*Edition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.003	IS 3025 (Part 2)
30.	Zino as Zn	<0.01	mg/lit	5,00	IS 3025 (Part 2)
31.	Sodum as Na	4.00	mg/lit	Not Specified	APHA( 23 <sup>rt</sup> Edition ) 3120 B
32.	Potassium as K	4.00	mg/lit	Not Specified	APHA( 23º/Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

1. Anisha Parati Armaikar 2. Shreya Harmaikar Analyzed by

Varsha Pole Reviewed By



Anandeep Sawant Authorized Signatory

Report No.	SEE/06/2022/92	Issue Date	07/06/2022		
Order / Reference	As per dated 02/08/2022	Sample Received On	02/06/2022		
Analysis Started On	02/06/2022	Analysis Completed On	07/06/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited				

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>d</sup> Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parah
 Shreya Harmalkar
 Analyzed by

Reviewed By

Anandeep Sawant **Authorized Signatory** 

	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023	
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	U V Spectrophotometer	Q/0166		Inhouse Calibration		
04.	ICP- OES	Q/162	365	Inhouse Calibration		
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
06.	Microbiological incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
08	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



B-3080207, Plot No. 81, Pinist Casata, New Mayon, Veron Alb., Clathelm (God, Bardez, Purvious, Planip Soc.-403-101). God Stare, India, 40 . (0632):24113227-2411323 • E-mail - sterial-god@indiffuse.com

Lab exceedited by MoEF & CC valid up to 03.11 2023 # Contined by 1507 (000) 2016 A (80) \$5001 : 2018

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	ANALYSIS REPO	RT FOR WATER SAMPLE							
Report No.	SEE/05/2022/93	Issue Date		07/06/	2022				
Name of Client	M/s, Megawide Construction C/o GMR Goa Internations		Jir.						
Address of Client	Mopa, Goa	Mopa, Goa							
Order / Reference	rder / Reference As per dated 02/06/2022 Environmental Condit		Tem	D D C	Humidity %				
Oldar i Haleiding	As par dated UZ/Odizozz	Environmental Condition of Lab	2	8.3	68				
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.	Sampling Procedure No.						
Sampling point	Borewell No. 2								
Sample details	Ground Water	Date of collection		02/06/	2022				
Sample Collected by	SEEPL Representative	Sample Received On		02/06/2022					
Analysis Started On	02/06/2022	Analysis Completed On	07/06/2022		2022				
Sample Container	Glass bottle + FVC Can	Sample Quaritity		1000 mt + 4000mf					
Chemical Testing		1 - 1 - 1		-	2.35.16				

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	pH	3.68	1.04	6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.82	NTU	1.00	IS 3025 (Part 5)
3.	Tasto	Agreeable		Not Specified	APHA( 23"Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23rtEdition ) 2120 B
5.	Odour	Agreeable	7.4	Not Specified	APHA( 23/Edition ) 2150 B
6	Total Alkalinity	76.00	mg/lit	200,00	IS 3025 (Part 23)
7	Total Dissolved Solids	185.00	mg/lit	500,00	IS 3025 (Part 16)
₿.	Chlorides as CI	33.03	mg/lit	250,00	IS 3025 (Part 32)
9,	Sulphate as SO <sub>4</sub> -	<5,00	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23º Edition ) 4500 SF
11.	Total Hardness as CaCO <sub>3</sub>	106.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0,50	IS- 3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0,50	Clause 6 of IS 3025 (Part 39)

1. Anisha Parab Aug

2. Shreya Harmalkar C Analyzed by Vchopdekav

Varsha Pole Reviewed By Anangeep Sawant Authorized Signatory

HEAD OFF, & LAB : Mot No. A-05, Flood No. 11). Kind Nagur Road, Mrt D.C., Wage Industrial Aria, There - 400 604, Muhambhio State, Indis Page 1 of 3 (2): 191-27) 2583-3221 / 2583-3323 / 2

BRANCHOFF

210, Dec. ptc Towns, EDC Public Parel (03.00). Good State, Incin. (1.: (03.02) 2497028 ; 2437104 Page 234 of 567 E-mail Hardiscon With Dec. Without Com. (04.02) 2497028 ; 2437104 Page 234 of 567

Report No.	SEE/05/2022/93	Issue Date	07/06/2022
Order / Reference	As per dated 02/05/2022	Sample Received On	02/06/2022
Analysis Started On	02/08/2022 Analysis Completed On		07/06/2022
Name of Client	M/s Megawide Construction DN C/o GMR Gos International Air		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 25)
15,	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45.00	IS-3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23#Edition ) 4500 F D
17	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23 Edition ) 5530-B.C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23/4Edition ) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA(23 Edition) 5540 - C
lota	Analysis				
20.	Aluminium as Al	<0.01	mg/lit	0.03	15 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/fil	0.01	IS 3025 (Part 2)
22.	Boron as E	<0.01	mg/lii	0.50	1S 3025 (Part 2)
23.	Calcium as Ca	19.23	mg/fil	Not Specified	APHA(23"Edition) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/fit	0.003	IS 3025 (Part 2)
25	Iron as Fe	0 18	mg/lit	1.00	IS 3025 (Part 2)
26	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27	Magnesium as Mg	14.08	mg/lit	Not Specified	APHA( 23*Edition ) 3500Mg B
28	Chromium as Cr	<0.01	mg/lt	Not Specified	APHA( 23"Edition ) 3120 B
29	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30	Zinc as Zn	<0.01	mg/lit.	5.00	IS 3025 (Part 2)
31.	Sodium as Na	4.00	mg/fit	Not Specified	APHA( 23*Edition ) 3120 B
32.	Potassium as K	3.00	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

1 Anisha Parab (Appul) 2. Shreya Harmalkar Analyzed by

chapdeKay

Varsha Pole Reviewed By

Anadaep Sawant Authorized Signatory

Report No.	SEE/05/2022/93	Issue Date	07/06/2022			
Order / Reference	As per dated 02/08/2022	Sample Received On	02/06/2022			
Analysis Started On	02/06/2022	Analysis Completed On	07/06/2022			
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air					

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>-d</sup> Edition ) 9221-B
35,	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23rdEdition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab
 Shreya Harmalkar
 Analyzed by

Varsha Pole Reviewed By

Authorized Signatory

	Equipment Name			Calibratio	on Details
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotometer	Q/0166	le:	Inhouse Calibration	
04.	ICP- OES	Q/162	ě	Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	100/0	2021/08/234	26/08/2021	28/08/2022
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



8-306/307; Plut No. 61. Publi Estato, Rois Moges. Varant. Alte. Okt Bollen Road. Bantes. Porveren, Fonsi-Guo 403-101. Con State India. (C): (0,002) 2411022 / 3411023 \* E-mail: cattlet/con@redifferal.com

Left decreation by MaET & ISC Vivid up to 03 +1.2023 • Continut by ISC 9001-2015 & ISC 40801 : 2015

STAF LITTER SALEME

ANALYSIS REPO	RT FOR	WATER SAMPLE			
SEE/06/2022/94		Issue Date		07/06/2022	
Mopa, Goa					
As not dated 02/06/2022	Environmental Condition of Lab		1		Humidity 9
we has nated of our sorr			28	1.3	68
SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		10
WTP-Treated					
Treated Water sample		Date of collection		02/06/2022	
SEEPL Representative	Sample Received On		02/06/202		2022
02/06/2022	Analysis Completed On		07/06/		2022
Glass bottle	Sample Quantity		5000 ml		mi
	SEE/06/2022/94  M/s. Megawide Construction C/o GMR Goa Internation Mopa, Goa  As per dated 02/06/2022  SEEPL/LD/FMT-54  WTP-Treated  Treated Water sample SEEPL Representative 02/06/2022	SEE/06/2022/94  M/s. Megawide Construction DMCC C/o GMR Goa International Airport Mopa, Goa  As per dated 02/06/2022 Environment of SEEPL/LD/FMT-54 Sample WTP-Treated  Treated Water sample SEEPL Representative 02/06/2022	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 02/06/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No. WTP-Treated  Treated Water sample Date of collection SEEPL Representative Sample Received On 02/06/2022 Analysis Completed On	SEE/06/2022/94 Issue Date  M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 02/06/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No. SEEPL WTP-Treated  Treated Water sample Date of collection  SEEPL Representative Sample Received On 02/06/2022 Analysis Completed On	SEE/06/2022/94 Issue Date 07/06/ M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited  Mopa, Goa  As per dated 02/06/2022 Environmental Condition of Lab 28.3  SEEPL/LD/FMT-54 Sampling Procedure No. SEEPL/QSP- WTP-Treated  Treated Water sample Date of collection 02/06/ SEEPL Representative Sample Received On 02/06/ 02/06/2022 Analysis Completed On 07/06/

-		-	
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WII 1 10 1 1	III MINAT	I would be	

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.35	8.	6.5 - 8.5	1S 3025 (Part 11)
2	Turbidity	0.70	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	~	Not Specified	APHA(23#Edition) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA(23 Edition) 2120 B
5.	Odour	Agreeable	16.	Not Specified	APHA(23 Edition) 2150 B
6.	Total Alkalinity	24.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	70.00	mg/lit	500.00	IS 3025 (Part 16)
8.	Chlorides as Cl	21,02	mg/lt	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>4</sub>	<5.00	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 4590 SFF
11.	Total Hardness as CaCO:	22.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	< 0.50	mg/lit	0.50	IS- 3025 (Part 34)
13,	Mineral oil	<0.1	mg/lit.	0.50	(Bayles 6 of IS 3025 (Part 39) : 1991

1. Anisha Parab (Apaulo

2. Shreya Harmalkar Analyzed by

chopdetay Varsha Pole Reviewed By

Analyse Sawant Authorized Signatory

HEAD OFF 4 LAB - MILTON A-90, Book No. 16, House Neight Road, M.L.D. ⊂ World: Mountain Area, Thors. -100,004, Macarasters State, inc. #8ge 1 of 3 (C.; (01-22) 2363-3321) / 2583-3322 / 2583-3323 | 2593-3324 | E-may | programmave com / psecialor Spigmort com Guaratted By Mintery of Environment. Forest & Climate Change, Clast Of India, 5. D. 667 (L)

Report No.	SEE/08/2022/94	Issue Date	07/06/2022
Order / Reference	As per dated 02/06/2022	Sample Received On	02/06/2022
Analysis Started On	02/06/2022	Analysis Completed On	07/06/2022
Name of Client	M/s. Megawide Construction Df C/o GMR Gos International Air		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	ing/lit	0.20 IS 3025 (Part 26)	
15.	Nitrate as ND <sub>3</sub>	1.10	mg/lit	45.00	IS 3025 (Part 34)
16	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 4500 F D
17.	Phenolic compound	< 0.02	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 5530-B,C
18.	Cyanida	<0.01	mg/lit	Not Specified	APHA( 23#Edition ) 4500 CN -D
t9.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23**Edition ) 5540 - C
letal	Analysis				
20_	Aluminium as Al	<0.01	.mg/lil	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lif	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	7.21	mg/lit	Not Specified	APHA( 23*Edition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fa	0.10	mg/lit	1.00	IS 3025 (Part 2)
25	Lead as Pb	<0.01	mg/lt	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	<1.00	mg/lit	Not Specified	APHA( 23#Edition ) 3500Mg B
28,	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23r/Edition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	<0.01	mg/it	5.00	IS 3025 (Part 2)
31.	Sodium as No	<1.00	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
32	Potessium as K	<1.00	mg/M	Not Specified	APHA( 23"Edition ) 3120 B
33,	Copper as Cu	<0.01	mg/it	0.05	IS 3025 (Part 2)

1. Anisha Parab Angoli 2. Shreya Harmalkar Analyzed by

Vihopdekar

Varsha Pole Reviewed By



Antingeep Sawant Authorized Signatory

Report No.	SEE/06/2022/94	Issue Date	07/06/2022
Order / Reference	As per dated 02/06/2022	Sample Received On	02/06/2022
Analysis Started On	02/06/2022	Analysis Completed On	07/06/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		,,

Microbiological Parameters

Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
d coliforms at 37°C for irs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>st</sup> Edition ) 9221-8	
oli at 44,59C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>st</sup> Edition ) 9221-G	
	Parameter al coliforms at 37°C for ars.	Parameter Result al coliforms at 37°C for Absent	Parameter Result Unit al coliforms at 37°C for Absent MPN Index/100ml MPN Absent MPN	Parameter Result Unit IS desirable Limit (As per IS 10500)  Il coliforms at 37°C for Absent Index/100ml Not Specified Index/100ml Not Specified	

Note: Test results related only to the sample tested.

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1. Anisha Parab (7)

2. Shreya Harmalkar

Analyzed by

Vehopdekar

Varsha Pole Reviewed By Anandeep Sawant **Authorized Signatory** 

				Calibratio	n Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotometer	Q/0166	(⊕)	Inhouse Calibration	
04.	ICP- OES	Q/162	12:	Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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	ANALYSIS REPO	RT FOR WATER SAMPLE					
Report No.	SEE/06/2022/95	Issue Date		08/08/2	2022		
Name of Client	M/s, Megawide Construction C/o GMR Goa International	M/s, Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa						
Order / Reference	As per dated 02/05/2022	Environmental Condition of Lab	Temp ° C 28.3		Humidity % 68		
Sampling point	L.S.C. Colony						
Sample details	Drinking Water	Date of collection	02/06/2022		2022		
Sample Collected by	SEEPL Representative	Sample Received On		02/06/2022			
Analysis Started On	02/06/2022	Analysis Completed On		06/08/2022			
Sample Container	Glass bottle	Sample Quantity		1000 ml			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B	
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23#Edition ) 9221-G	

Note: Test results related only to the sample tasted.

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Adandeep Sawant Authorized Signatory

	Equipment Name	Equipment Id		Calibration Details		
Sr. No.			Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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Lab a credited by MoEF & CC Valid up to 03.11,2023 # Certified by ISO 9001/2015 & ISO 46001 - 2010

THE HOLES

	ANALYSIS REPOR	RT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/96		Issue Date		06/06/2022		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa						
Order / Reference	As per dated 02/05/2022	Environmental Condition of Lab		Temp <sup>0</sup> C 28.3		Humidity %	
Oliva / Raicienija	Un hai acian attaneate					68	
Sampling point	A.T.C						
Sample details	Drinking Water		Date of collection		02/06/2022		
Sample Collected by	SEEPL Representative		Sample Received On		02/06/2022		
Analysis Started On	02/06/2022		Analysis Completed On		06/08/2022		
Sample Container	Glass bottle		Sample Quantity		1000 mi		

Microbiological Parameters

Sr. No.	Paramoter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	MPN Abs	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-8
2	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23/JEdition.) 9221-G

Note: Test results related only to the sample tested.

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Sr. No.		Equipment Id	Certificate No.	Calibration Details	
	Equipment Name			Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	CV003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	0/001	2021/08/234	26/08/2021	28/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab accredited by MoEF & CC Valid up to 03 11.2323 \* Certified by ISC 9001/2015 & ISO 450011 - 2018

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	ANALYSIS REPO	RT FOR WATER SAMPLE				
Report No.	SEE/06/2022/97	Issue Date		06/06/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International		-			
Address of Client	Mopa, Goa					
Order / Reference	As per dated 02/05/2022	Environmental Condition of Lab	Temp		Humidity %	
Crider / residence	We has despt of the safet	Environmental Condition of Sax	28.3		68	
Sampling point	V.N.G. Colony					
Sample details	Drinking Water	Date of collection		02/06/2022		
Sample Collected by	SEEPL Representative	Sample Received On		02/06/2022		
Analysis Started On	02/06/2022	Analysis Completed On		06/06/2022		
Sample Container	Glass bottle	Sample Quantity		1000 ml		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
1.	MPN	Absent	MPNIndex/100m/	Not Specified	APHA( 23 dedition ) 9221-5	
2	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23"Edition) 9221-G	

Note: Test results related only to the sample tested

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Varsha Pole Reviewed By

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## **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03.	Laminar Air Flow	Ω/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR WATE	RSAMPLE					
Report No.	SEE/06/2022/98	SEE/06/2022/98 Issue Date 06/06/2022						
Name of Client	M/s. Megawide Construction C/o GMR Goa International		1					
Address of Client	Mopa, Goa							
Order / Reference	As per dated 02/05/2022	Environmental Condition of Lab		As not detect 02/08/2022 Environmental Co		Temp	_	Humidity %
92.000.1 : 102.0 00.000	THE PART MULTING VICTOR PARTY.			28.3		88		
Sampling point	KMV							
Sample details	Orinking Water	Date	of collection	1	02/06/2022			
Sample Collected by	SEEPL Representative	Samp	Sample Received On		02/06/2022			
Analysis Started On	02/06/2022	02/06/2022 Analysis Com		922 Analysis Completed On 05/0		08/08/2	2022	
Sample Container	Glass bottle	Samp	Glass bottle Sample Quantity					

Microbia	logical	Parameters
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Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
Ť.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 <sup>M</sup> Edition) 9221-G

Note: Test results related only to the sample tested.

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chopdekar Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

## **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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SPACE HISTORY

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	ANALYSIS REPO	RT FOR WATE	ER SAMPLE				
Report No.	SEE/06/2022/99	SEE/06/2022/99 Issue Date 06/06/2022					
Name of Client	Ws. Megawide Construction C/o GMR Goa International		d				
Address of Client	Mopa, Goa						
Order / Reference	As per deted 02/05/2022	Environmental Condition of Lab		I dated 12/08/2022   Environmental Condition of Lab 1		D o C	Humidity %
Sampling point	Labour Colony		- C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C	29	1.3	68	
Sample details	Drinking Water	Date	of collection		02/06/	2022	
Sample Collected by	SEEPL Representative	Sam	Sample Received On		02/06/2022		
Analysis Started Cn	02/06/2022 Analysis Completed On		02/06/2022 Analysis Completed On 06		06/06/	2022	
Sample Container	Glass bottle	Sam	ple Quantity		1000 r	ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
10	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rg</sup> Edition ) 9221-B
2.	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100m/	Not Specified	APHA( 23 Edition ) 9221-G

Note: Test results related only to the sample tested

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Anisha Pareb Analyzed by

Varsha Pole Reviewed By Apandeep Sawant Authorized Signatory

## **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 9C )	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03.,	Laminar Air Flow	0/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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Con State, India, (f.) \_ (0832) 34 (1322) 24 (1322) E-mail ; contrapposationarisation.

Life accommentity MiSET # CC World up to 03.11.2020 \* Decilied by ISO 9001.2015 & ISO 45001.2018

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/B8		Issue Date 07/05/2022				
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited				
Address of Olient	Mona, Goa						
	A	The second secon		Temp ° C	Humidity %		
Order / Reference	As per dated 02/05/2022	Environ	mental Condition of Lab	of Leb 28.3			
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPUQSP-10			
Sampling point	STP						
Sample details	Inlet Water		Date of collection	02/06/2022			
Sample Collected by	SEEPL Representative		Sample Received On	02/08/2022			
Analysis Started On	02/06/2022	Analysis Completed On		07/06/202	2		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml +	1000mi		

#### Chemical Parameters

2. Chemical Oxygen Demand (COD)       520,00 mg/lit       APHA( 23ºEdition ) 5220-B         3. Blochemical Oxygen Demand (27ºC 3 day)(EOD)       133,20 mg/lit       IS 3025 (Part 44)         4. Total Suspended Solids (TSS)       196,00 mg/lit       APHA( 23ºEdition ) 2540-D	Sr. No.	Parameters	Results	Unit	Method
2. (COD) 3. Biochemical Oxygen Demand (27°C 3 day)(EOD) 4. Total Suspended Solids (TSS) 196.00 mg/iit IS 3025 (Part 44). 4. APHA( 23°Edition ) 2540-D	1.	pH	6.49	17	APHA( 23=Edition ) 4500 H+-B
3. Biochemical Oxygen Demand (27°C 3 day)(BOD)       133.20 mg/lit       IS 3025 (Part 44)         4. Total Suspended Solids (TSS)       196.00 mg/lit       APHA( 23°Edition ) 2540-D	2.		520.00	mg/lit	APHA( 23"Edition ) 5220-8
2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	3.	Biochemical Oxygen Demand	133.20	mg/lit	IS 3025 (Part 44)
E OUR Company (O.S. C) 17/40 modils ADMAY 22 of Califforn VEE20 CLSC	4.	Total Suspended Solids (TSS)	195.00	mg/III	APHA( 23 Edition ) 2540-D
5. Of a Grease (O a.G) 12.40 Ing/iii AFTA( 25° E0000 ) 5520-O aG	5.	Oil & Grease (O & G)	12,40	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O &G

Note: Test results related only to the sample tested

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Varsha Pole Reviewed By Anandeep Sawant Authorized Signatory

## **Equipment Calibration Details**

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	0/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/008	11/11/2021	11/11/2022



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Lab acceptional by MoEF & S.C. Valid up to 01 11 222 1# Cartifles by RSD 9001 2015 £ 150 45001 - 2016

SEAN CHROSI SEANS CHR

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/06/2022/89	E/06/2022/89 Issue Date 07/06/2022					
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited				
Address of Client	Mopa, Gos						
Order / Reference	As per dated 02/06/2022 Enviro		mental Condition of Lab	Temp 0 C	Humidity %		
Oldar Maleidinia	his per deted oziourzacz	Elivilo	mental Condition of Lab	28.3	68		
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/QSP-10			
Sampling point	STP						
Sample details	Outlet Water		Date of collection	02/06/20	22		
Sample Collected by	SEEPL Representative	tive Sample Received On		Received On 02/06/2022			
Analysis Started On	02/06/2022	Analysis Completed On		07/08/20	22		
Sample Container	Glass Bottle + PVC Can				1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	Hq	6.13	190	5.5 - 9.0	APHA( 23#Edition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	132,00	mg/lit	250.00	APHA( 23 MEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 dev)(BOD)	21 58	mg/lit	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	50.00	mg/lit.	100.00	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5	Oll & Grease (O & G)	5.80	mg/lit	10.00	APHA( 23™Edition ) 5520-O &G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Shweta Sawant Analyzod By Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

HEAD OFF, IL LAR : Frontis A 95, Flood No. 10, History Neight Road, M., D. C. Woods Inquestral Area. Transf. allio ticle. Usha waters State. Impar (C. 191-22) 2505-3321 / 3583-5321 / 2583-3323 / 2583-3230 - E-mol. por Sauth in community of access as Santonia.

Georgical by Milestry of Educations, Forest & Clarysia Change, Flori Chinedia, S. D. 457 (C).

BRANCH OFF 1 340, Dunico Towers, EDG Pater, Paragil 403 001. Soa State, Instal C. (0832) 2437048 / 2437164 Page 258 of 567

## **Equipment Calibration Details**

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	O/009	T2021/11/006	11/11/2021	11/11/2022



8 308/307, Plot No. III. Fetel Estate, Hers Miggs: Versen, Ato, Dio Bellio Fond. Barder: Fermion Panali-Gra-401 (01) Gos State, India. (C.) (19632) 2411322 / 2411323 \* E-mail | starinthypos/groundmail.com

Lab accomitted by MAEF 4 CC Valid up to 83 / 1 2023 # Contined by 15O 1001:2018 6 ISO 45001 | 2018

SHALL TREETH STORELLES

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/06/2022/90	07/06/20	22			
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited			
Address of Client	Mopa, Goa					
Color I Deference	As and delect points about	Facilities	was an additional property of the control of the co		Humidity %	
Order / Reference	As per dated 02/08/2022 En		innental Condition of Lab	28,3	68	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP (KMV)					
Sample details	Inlet Water		Date of collection	02/08/2022	2	
Sample Collected by	SEEPL Representative		Sample Received On	02/06/2022		
Analysis Started On	02/06/2022		Analysis Completed On	07/06/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1-	pH	6,00	-	APHA( 23 Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COO)	340.00	mg/lit	APHA( 23"Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	108.50	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	82.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	7.80	mg/fit	APHA( 23 Edition ) 5520-0 &G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and I or analysis is back side of analysis report.

Margh Asmita Sawant

Analyzed By

Varsha Pole Reviewed By

Attendeep Sawant **Authorized Signatory** 

## **Equipment Calibration Details**

				Calibrat	Calibration Details		
Sr. No.	Equipment Name	t Name Equipment Id Certifica	Certificate No.	Calibration Date	Next Calibration Due Date		
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022		
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023		
03,	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023		
04.	Hat Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022		



B-305/ABY, Plot No. 61 Petel Estain, Reis Magne, Varam, Alto, Old Ballan Flouri. Standag, Porvenint, Paneal Growt 03 101. Gos State, Indiq. (f) = (pit32) 2411922 | 2411323 € E-mail: startebgos@redstroat.com

Life assending by MoCF A GC Wild up to 03 11.2033 & Dértillers by ISB 9001-2015 & 100 45001 : 2010

HAY DEPOTE THE LIFE

ANALYSIS REPO	ORT FOR	WATER SAMPLE			
SEE/06/2022/91		Issue Date	07/06/20	22	
		mited			
Mopa, Gos					
As were stated an accounts to		mental Candillan of Lah	Temp & C	Humithty %	
As per dated 02/00/2022	ns per dated devoluces Entire		28.3	68	
SEEPL/LD/FMT-54	Samplin	g Procedure No	SEEPL/QSP-10		
STP (KMV)					
Outlet Water		Date of collection	02/06/20	22	
SEEPL Representative		Sample Received On	02/06/2022		
02/06/2022		Analysis Completed On	07/06/2022		
Glass Bottle + PVC Can	1000 ml + 1000ml				
	SEE/06/2022/91  Wis Megawide Construction C/o GMR Goa International Mopa, Goa  As per dated 02/06/2022  SEEPL/LD/FMT-54  STP (KMV)  Outlet Water  SEEPL Representative  02/06/2022	SEE/06/2022/91  M/s Megawide Construction DMCC C/o GMR Goa International Airport L Mopa, Goa  As per dated 02/06/2022 Environ SEEPL/LD/FMT-54 Semplin STP (KMV) Outlet Water SEEPL Representative 02/06/2022	M/s Megawide Construction DMCC C/o GMR Goa International Airport Limited Mopa, Goa  As per dated 02/06/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No STP (KMV) Outlet Water Date of collection SEEPL Representative Sample Received On 02/06/2022 Analysis Completed On	SEE/06/2022/91   Issue Date   07/06/20	

Sr.	Parameters	Results	Unit	*Limits	Method
No.	T LITATION OF THE PARTY OF THE	redutts	Unit	Limita	metrod
1.	рH	6.70	3	5.5 - 9.0	APHA( 23 Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	28.00	mg/lit	50.00	APHA( 23"Edition ) 5220-B
3,	Biochemical Oxygen Demand (27°G 3 day)(BOD)	7,00	mg/lit	10.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	13.00	mg/lit	20.00	APHA( 23 Edition ) 2540-D
5.	Oll & Grease (O & G)	2.20	mg/lit	10,00	APHA( 23 MEdition ) 5520-0 8G
6	Ammonia	1.68	rng/lit	5.00	APHA( 23rdEdition ) 4500 NH3B C
7.	Total Nitrogen ('as N).	8.75	rng/lit	10.00	APHA( 23rdEdition ) 4500 N-B

#### Microbiological Parameters

8.	Faecal coliforms at 44.5°C for 24 hrs.	33	MPN Index/100ml	100	APHA ( 23 Edition ) 9221-E
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Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis back side of analysis report.

1. Asmita Sawant

2 Anisha Parab

Analyzed By

Varsha Pole

Aranteep Sawant Reviewed By Authorized Signatory

HEAD OFF, A LARL - Fire No. 4-45, Front No. 19, Kross Regar Road, M.L.D.C. Wayle Industrial Avoir, Thoro. 100 504, Managember. Class. India (f) 191-22) 2503 3321 / 2683 3322 / 2583 1325 / 3683 3334 € F-mail: professoratelians-viro cran / produktic5(f)gmat.com Caselled By Mirrory of Erreromone, Forest & Circuit: Glumps, Gave Cir India, 3. C. 457 (E)

BRANCH OFF. : \$10. Dempo Towers, SDC Patts, Parkli 40x 001; Gee 1946, 1966 (2) (2002) \$407048 (2407404) E-mail searcharonaroutirednings com • Wabatta 1994, and electronaro com • CIN - U45208MH 1990PTC 1153

# **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01	pH Meter	(2/052	2021/09/001	04/09/2021	04/09/2022	
02	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
04.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
06.	Microbiological Incubator (44.5 °C)	0.004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



B-106/207, Piol No. 61, Patal Estato, Ross Mages, Wrom, Allo, Old Bettir Ress., Bantas, Poyvopin, Para-Shre-401 101 Cos Siete, India. (D. 19850) 341 (322 / 2411251 \* 5-mett standingood/redefine/benter

Lib accomplished by MoRE A CET strilet on to 02.11.7023 & Contilled by 857 6001-2015 4.150/46001 / 7018

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		AMBI	ENT A	IR QUALITY	MONITORI	NG F	EPOR	T		
Rep	ort Date	30/07/20	22.							
20.6	ne of Client	M/s. Mega C/o GMR (	iwide C Goa into	onstruction D ernational Air	MCC port Limited					
Add	ress of Client	Mopa, Goa								
Sam	pling Plan	SEEPL/LD	/FMT-	54 Samp	ling Procedure	No.	5	EEPL/QSP-10	0	
Sam	ple Collected I	By SEEPL Rep	present	ative						
Moi	ith of Sampling	g July 2022								
				AMBIENT A	IR LOCATION					
Loca	ation of ambie	nt air station	Mopa		oa State) (G-A1	)			-	
Ave	rage Ambient	Temperature (°C)	30.4	Average Hu			69	Latitude	N 15°45'5	_
Ave	rage Wind Spe	ed (km/hr)	1.4	Average Wind direction (Deg) 231				Longitude	E 73056'3	2.4"
Inst	ruments Used		FPS(	APM-550), RD	S(APM-460) &					
Sr.	Date of	Report No.				PAR	AMETE	RS		1071
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>25</sub>	SO <sub>2</sub>		NO <sub>x</sub>	co	SPM
1	04/07/2022	SEE/AR/07/2022/	0055	27.87	9,19	<	3.00	<6.00	0.05	37,76
2	07/07/2022	SEE/AR/07/2022	8000	22.78	8.77	<	3.00	<6.00	0.03	32.89
3	11/07/2022	SEE/AR/07/2022)	0183	30.99	12.64	*	3.00	<6.00	0.06	44.24
- 4	14/07/2022	SEE/AR/07/2022/	0254	31.81	6.57	<	3.00	<6.00	0.03	39.29
5	18/07/2022	SEE/AR/07/2022	-	28.32	8.19	4	3.00	<6.00	0.02	38.76
6	21/07/2022	SEE/AR/07/2022		31.92	5,99	<	3.00	<6.00	0.05	41.66
7	25/07/2022	SEE/AR/07/2022,	/0411	35,47	7.86	<	3.00	6.27	0.06	43.91
B	28/07/2022	SEE/AR/07/2022	/0625	26.77	11.81	<	3,00	< 5.00	0.03	39.06
		QS Limits*		100	60	-	80	80	4	-
		Units		µg/ m³	ug/m³	ju;	g/m <sup>3</sup>	μg/m <sup>3</sup>	mg/m³	µg/m³
		Method		IS 5182( Part. 23)	Lab SOP NO.: SEE/LD/SOP-		82 (Part 02)	1S 5182 (Part 05)	IS-5182( Part 10)	IS 5182 Part IV:

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

- : Test results relate only to the condition prevailing at the time of sampling
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- : Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report

t)Aditya Naik Sax 2) Pendurang Gawas ( Analyzed by

Varsha Pole Reviewed by

Arrangeep Sawant Authorized Signatory

HEAD GET. & LAB : Piot les: A-30, Reset No. 15: Poser Nager Novel, M.L.D.G. Wages Industrial Area. Those - 400 ICA. Nanorasters State, India (f) (91.25) 2593 339 / 9585 3322 / 9581 3322 / 2581 3324 e E-mail: assistant all amenino cast / produtario figuraria con Experied By Minus y or Environment, Forest & Climate Change, Gold O' state, 5: 6: 857 (E)

BRANCH OFF. 1 210. Dirrigo Towers, EDC Pallo, Paruji 403 001. Dog State, India (b): (0032) 2437046 ( 2437164 Figure and charge cylin and com • Wildlife where and charge com • City - U.S. 2018/14/17/08/17/19/19

### Respirable Dust Sampler's with Gasaous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01		LES-CCL/FF/MF/SC/1145	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
Company of the American Company	RDS- APM 460 (SR NO.2871-DTG-2020)	LES-CCL/FF/MF/SC/1308	24/09/2021	23/09/2022

#### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	in House Calibration

### Fine Particulate Sampler (SR NO. 991-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
10	FPS - APM 550 MINI	1E5-CCL/FF/RF/5C/3772	24/09/2021	23/09/2022

Sr No.	Instrument Type	Callbrated on	Calibration due date
01	GO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



B 2007/207 Plot Str. W. Print Estate Liver Mayor Vocan- Also Call Bourn Hond, Biology Printing Cost 103-101. Grad Stule, India (f) (0033) 22 (1322 / 24 (1234 E-mail: abutabgion@nordfront.com

Lab recredited by MoE# & CG Valid on to 03:11.2033 # Cardinal by ISO 8091 2016 & ISO 85001 - 2016

SHE SHIFT SWILLINE

		AMBI	<b>ENT A</b>	IR QUA	ALITY MONITO	RING I	REPOR	RT		
Rep	ort Date	30/07/2	30/07/2022							
Nan	ne of Client		M/s Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	0.0							
Sam	pling Plan	SEEPL/I	D/FMT	- 54	Sampling Proced	lure No	i.	SEEPL/QSI	9.10	
Sam	ple Collected F	By SEEPLR	SEEPL Representative							
Mon	th of Sampling	July2022	2							
		10.3	7	AMBIE	NT AIR LOCATION	N	-			
Loca	ation of ambier	nt air station	Shem	echeady	ran Boundary(Goa	State)	G-A2)			
Ave	rage Ambient	Temperature (°C)	30.7	Average Humidity (%)		68	Latitude	N 15º42'0	6.1"	
	rage Wind Spe		1.5	Average Wind direction (Deg)		217	Longitude	E 73949'2	1.5"	
	runients Used		FPS(A	APM-550	), RDS(APM-460)	&GPS (	APM -	411]		
Sr.	Date of	Sec. O. Land				PAR	AMET	ERS		
No	Sampling	Report Na.	eport Na.		PM2.5	S	Oz	NOx	co	SPM
1	04/07/2022	SEE/AR/07/2022,	0056	22.76	10.69	<3	.00	<6.00	0.03	33.81
2	07/07/2022	SEE/AR/07/2022,	/0099	20.61	7.61	<3	.00	<6.00	0.02	27,38
3	11/07/2022	SEE/AR/07/2022	/0184	23.45	10.73	<3	.00	<6.00	0.05	34.68

9.27

8.03

9.23

8.11

5.36

60

us/m3

Lab SOP NO .:

SEE/LD/SOP-AA-04

"NATIONAL AMBIENT AIR STANDARDS (2009)

NAAQS Limits\*

Units

Method

SEE/AR/07/2022/0255

SEE/AR/07/2022/0317

SEE/AR/07/2022/0371

SEE/AR/07/2022/0412

SEE/AR/07/2022/0626

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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28.38

**18.59** 

24.71

20.16

16.57

100

11g/ m3

13 5182(

Part 23)

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

2)Pandurang Gawas (L) Analyzed by

14/07/2022

18/07/2022

21/07/2022

25/07/2022

28/07/2022

4

5

6

7

8

Varsha Pole Reviewed by



<6.00

<6.00

<6.00

<6.00

<6.00

80

us/mi

IS 5182 (Part

36)

<3.00

<3.00

<3.00

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HE/m3

\$ 5182

(Part 02)

0.03

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0.02

0.03

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mg/m2

IS 51821

Part 10)

38.35

29.80

35.40

29.02

22.52

im/mi

18 51820

Part IV)

Ariahdeep Sawant **Authorized Signatory** 

## Respirable Dust Sampler's with Gaseous Sampling

Cv. No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
Sr No.			+ = 10 × 100 04	** (92/2022
001	RDS- APM 460 BL(SR NO.2028-DTD-2015)	LES-CCL/FF/MF/SC/1145	15/0//2021	14/07/2022

C- No	Faulament Name	Certificate No.	Calibrated on	Calibration due date
Sr No.	Equipment Name	Court College Co. 14-05	The second second second second	22/00/2022
01	RDS- APM 460 (SR NO.2881-DTH-2020)	LES-CCL/FF/MF/SC/1307	24/09/2021	23/09/2022

#### **UV Spectrophotometer**

Sr No. Equipment Name		Calibration
01	üv	In House Calibration

### Fine Particulate Sampler (SR NO. 992-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3768	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



5.306/307, Plot No. 51, Prest Estable, Rein Magen, Verrein, Alex Obs Below Roads, Bereier, Prevention Presspicion-415 (11)
Son Male, India, 171 (1833) 24+1322, 24-1323 • E-mail (Librardspore@incittonitesion

Eab recording by MyEF & CC Dalithur to 23 T1 2023 \* Commet by ISO (xxx120 / 5 & xxx0 / 4500 ) . 2018

SEATHER

		AMBI	ENT A	IR QUA	LITY MONITORI	NG F	REPO	RT		
Rep	ort Date	30/07/2	022							
_	ne of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Add	ress of Client	Mopa, Ge	oa.							
Sam	pling Plan	SEEPL/1	D/FM	- 54	Sampling Procedu	re No	4	SEEPL/QSI	7-10	
Sam	ple Collected I	By SEEPLR	eprese	ntative						
Mon	th of Sampling	July2022								
				AMBIEN	NT AIR LOCATION					
Loca	ation of ambie	nt air station	Nagz	ar[Goa Sta	ate) (G-A3)			V = -	100000000000000000000000000000000000000	
Ave	rage Ambient	Femperature (°C)	30.6	Averag	e Humidity (%)		70	Latitude	N 15°45'3	
Λve	rage Wind Spe	ed (km/hr)	1.5		Average Wind direction (Deg) 233 Longitude E 73º53'14				1.22"	
Inst	ruments Used		FPS(	APM-550	, RDS(APM-460) &	GPS (	APM -	411)		
Sr.	Date of	Report No.				PAR	AMET	rers		
No	Sampling	Kapore No.		PM <sub>10</sub>	PM <sub>2.5</sub>	S	02	NOx	CO	SPM
1	04/07/2022	SEE/AR/07/2022/	0057	24.59	10.77	<3	.00	<6.00	0.03	35,42
2	07/07/2022	SEE/AR/07/2022/	0100	22.29	5.11	<3	.00	<6.00	0.05	27.66
3	11/07/2022	SEE/AR/07/2022/	0185	23,39	9.19	<3	.00.	<6.00	0.02	3291
4	14/07/2022	SEE/AR/07/2022/	0256	18.71	5.36	<3	.00	<6.00	0.03	24.40
5	16/07/2022	SEE/AR/07/2022	0318	20.85	6.65	<3	.00.	<6.00	0.05	29.49
6	21/07/2022	SEE/AR/07/2022/	0372	26.08	5.70	<3	.00	<6.00	0.02	32.45
7	25/07/2022	SEE/AR/07/2022	0413	16.47	5.07	53	.00	<6.00	0.03	22:13
8	28/07/2022	SEE/AR/07/2022		15.40	9.19	₹3	.00	<6.00	0.02	24.71
	NAA	QS Limits*		100	60		10	80	4	(4)
		Units	- 1	ug/m³	µg/m <sup>7</sup>	ug	/m³	µg/m³	mg/m³	ng/m
	Method				Lab SOP NO.		5182	IS 5182 (Part.	15 5182( Part 10)	15 5183 Pad IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik 2)Pandurang Gawas (16)

Analyzed by

Versha Pole

Reviewed by

Anendeep Sawant Authorized Signatory

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
36 140		in an included the fact that the	37 (07/2024	14/07/2022
01	RDS- APM 460 (SR NO. 1719-DTI-2012)	LES CCL/FF/MF/SC/1153	15/07/2021	14/0//2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
		Are con fee to at tectame	12/07/2022	12/07/2023	
01	RDS- APM 460 (SR NO. 1719-DTI-2012)	LES-CCL/FF/MF/SC/1716	13/07/2022	12/07/2023	

### UV Spectrophotometer

Sr No. Equipment Name		Calibration
01	uv	In House Calibration

### Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3771	24/09/2021	25/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	ED Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



5-300/207, Par No. 61, Print Estato, Pint Magen, Vesero Alto, Old Bettin Room, Harriez, Powerini, Parial Good 05, 101. Sou Clair, John 37 (0802) 241(1227 St 1323 \* E-mail: standage @rod final.com

Leo appreciated by MoET A CO Value up to 03.11.2020 \* Continue by ISO 0001.1015 & SO = 301. Y018

SW BURNS enst lar-

		AMBI	ENT A	IR QUA	LITY MONITORIN	IG F	REPO	RT		
Rep	ort Date	30/07/2	30/07/2022							
Nan	ne of Client	M/s. Me C/o GMF	M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited							
Add	ress of Client	Mopa, G	Mopa, Goa							
Sam	pling Plan	SEEPL/I	D/FM7	- 54	Sampling Procedure	e No		SEEPL/QSI	-10	
Sam	ple Collected I	By SEEPLR	eprese	ntative						
Mar	uh of Sampling	july2022								
				AMBIEN	IT AIR LOCATION	_				
Loca	ation of ambie	nt air station	Purv.	The state of the s	nem (Goa State)[G-	A4)		-	Tra - No. 107-007	155
Ave	rage Ambient	Temperature (°C)	31.1	_	e Humidity (%)		67	Latitude	N 15º41'4	
Ave	rage Wind Spe	ed (km/hr)	1.2	Average Wind direction (Deg) 243 Longitude E 73º50'16.6'				5,6"		
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) &G	No.	-			
Sr.	Date of	Report No.				PAR	AMET	The state of the s		
No	Sampling	Kapart No.		PM <sub>10</sub>	PM <sub>2.5</sub>	S	102	NO <sub>x</sub>	CO	SPM
1	04/07/2022	SEE/AR/07/2022/	0058	16.22	5.41	K	3.00	<6.00	0.02	21.65
2	07/07/2022	SEE/AR/07/2022/	0101	22.68	6.82	<	3.00	<6.00	0.03	30.06
3	11/07/2022	SEE/AR/07/2022/	0186	15.17	8.40	<	3.00	<6.00	0.03	23.81
4	14/07/2022	SEE/AR/07/2022)	0257	13.70	5.45	<	3.00	<6.00	0.02	19.24
5	18/07/2022	SEE/AR/07/2022,	0319	24.47	7.11	1	3,00	<6.00	0.02	32.37
6	21/07/2022	SEE/AR/07/2022	0373	28.96	18.01	<	3.00	<6.00	0.05	47.60
7	25/07/2022	SEE/AR/07/2022	0414	23.24	12.75	<	3.00	<6.00	0.03	36.94
8	28/07/2022	SEE/AR/07/2022,	0628	18.55	5.35	<	3.00	<6.00	0.02	24.50
	NAA	QS Limits*		100	60	- 6	80	80	4	- 4
		Units		µg/ m³	µg/m³	μg	/m <sup>3</sup>	µg/m²	mg/m <sup>1</sup>	ug/m
	-1	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	100	5182 art 02)	IS 5182 (Part 06)	(S 5182( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

Analyzed by

2)Pandurang Gawas ( Lo

Varsha Pole

Reviewed by

Amandeep Sawant **Authorized Signatory** 

HEAD OFF, & LAB.: Plot No. A-90, Novil No. 10, Keen Neuer Road, M. D.C. Wagin Incombini Area, Trans. 100 604 National tradition in Est-(f): (81 - 72) 2563 332: ( 2563 3322 | 2663 3322 | 2663 4323 ) (2663 3324 • () mail: pro@audolin/cover.com / pondoisith@gmid.com Basellas by Manily of Environment, Forms & Climate Change: Govt Of ender 5- O. 857 (C)

BRANCH OFF. 2 330, Dempo Towers, HCIC Patin, Harrell-403 001. See State, India 1/2 (00/37) 2437-048 / MSI/184

Female indebination to Street from Windows and March Index on CIM 04520000 188000 TO Page 270 of 567

## Respirable Dust Sampler's with Gaseous Sampling

Sr No:	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01		LES-CCL/FF/MF/SC/1157	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS APM 460 (5R NO. 1456-DTD-2009)	LES-CCL/FF/MF/SC/1725	13/07/2022	12/07/2023

### UV Spectrophotometer

Sr No.   Equipment Name		Calibration
01	UV	In House Calibration

### Fine Particulate Sampler ( SR NO. 299-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
02	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3400	15/07/2021	14/07/2022	

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FF5 - APM 550 MINI	LES-CCL/FF/RF/SC/5084	13/07/2022	12/07/2023	

Sr No.	Instrument Type	Calibrated on	Calibration due date
	CO Analyzer (SR No. D1 DT L14)	20/11/2021	19/11/2022



14-306/307, Plot Spc. C1, Pond Estate, Here Magno, Veren. Alto, DKI Beign Hood, Cuntex, Provenin, Fitting-Sen-405-101. Soy Start, Imila 10 . (6512) 2411022 x 3411323 \* E-mail: start/ligan/Emidf/multiple

Lab accredited by McEF & CO Valid air to 03.11 2023 # Corffling by ISO 000 ( 2015 & ISO 45011 ) 2010

CHARLEST AND ST MAKE INC.

		AMBI	ENT A	IR QUA	LITY MONITORIN	IG RE	POF	RT.			
Rep	orr Date	30/07/2									
Nan	ne of Client	M/s. Mer C/o GMF	M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited								
Add	ress of Client	Mopa, Ge	Mopa, Goa								
Sam	pling Plan	SEEPL/L	SEEPL/LD/FMT- 54 Sampling Procedure No. SEEPL/QSP-10						0		
Sam	ple Collected I	By SEEPLR	epreset	ntative							
Mor	th of Sampling	g July2022	2								
		7-1-1		-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NT AIR LOCATION						
Loc	ation of amble	nt air station	Khajo		Porscodem (Goa Stai	_		15.00.00		6.36	
Ave	rage Ambient	Temperature (°C)	30.4	-	e Humidity [%]	_	9	Latitude	N 15/40/3		
Ave	rage Wind Spe	ed (km/hr)	1.4	1	Average Wind direction (Deg)   227   Longitude   E 73°46'21.2				1.2"		
Inst	ruments Used		FPS(/	VPM-550]	, RDS(APM-460) &GI					_	
Sr.	Date of	Report No.				PARA	MET	TERS			
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2,5</sub>	SC	2	NOx	co	SPM	
1	04/07/2022	SEE/AR/07/2022/	0059	18.21	7.86	<3.1	00	<6.00	0.03	26.50	
2	07/07/2022	SEE/AR/07/2022,	0102	21.41	5 36	<3.0	00	<6.00	0.06	27.03	
3	11/07/2022	SEE/AR/07/2022/	0187	22.98	8.11	<3.0	00	<6.00	0.05	35.42	
4	14/07/2022	SEE/AR/07/2022)	0258	17.92	6.49	<3.0	00	<6.00	0.02	24.58	
5	18/07/2022	SEE/AR/07/2022	0320	24.90	5.74	<3.	00	<6.00	0.03	31.10	
6	21/07/2022	SEE/AR/07/2022,	0374	27.17	5.86	<3.	00	<6.00	0.02	33,24	
7	25/07/2022	SEE/AR/07/2022	0415	32.93	6.32	<3.	00	6,99	0.02	39.59	
В	28/07/2022	SEE/AR/07/2022	70629	11.78	8,27	<3,	00	<6.00	0.03	20.23	
	NAA	QS Limits*		100	60	8	0	80	4		
		Units		µg/m³	μg/m <sup>γ</sup>	µg/	m*	µg/m³	mg/m*	μg/m	
		Method		IS 5182( Part 23)	Lab SOP NO.; SEE/LD/SOP-AA-04	IS 5 (Parl		IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV	

'NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

2)Pandurang Gawas (

Analyzed by

Varsha Pole Reviewed by

Arrangeep Sawant **Authorized Signatory** 

HEAD OFF, & LAB - Pol No. A-M. Rocci No. 18. Escen No., or Fount, M.J.D.C. Wiggle Industrial Area, Therm - 400 601. Mother outres Stole, inclin © : (61-22) 2565-3521 / 2569-1322 / 2563-3020 / 2563-0024 • E-mile : progrando inconvicuous / pairminad/gegmini.com Secretarity Newsy of Divinorson, Forest E. Climow Change, Gold Of India, E. O. 657 (C).

BRANCH OFF 1310, Campo foams, ECC Page, Panap-403 (61, Goa State, India (2, (0812) 3437)48 / 7437114 ≑runt audekanem ro@redTima toom • Wet alle synw, a die verwied com • city 1045200MH (1000FTC. Page 272 of 567

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Celibrated on	Calibration due date
the second section is a second	Leading a second control of the second contr	LES-CCL/FE/ME/SC/1152	15/07/2021	14/07/2022
OI.	RDS APM 460 (SR NO. 1895-3TJ-2014)	TER-CONTRACTOR	Langelaner	T C M I S PROPER

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 (SR.NO. 1895-DT) -2014)	LES-CCL/FF/MF/SC/1717	13/07/2022	12/07/2023

#### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	OV	In House Calibration

### Fine Particulate Sampler (SR No. 288-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MIN	LES-CCL/FF/RF/SC/3401	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
0.7	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/5087	13/07/2022	12/07/2023

Sr No.	Instrument Type	Callbrated on	Calibration due date
01	CO Analyzer (58 No. 01 DT L14)	20/11/2021	19/11/2022



5 206/307, Plat No. 01, Patel Fithir, Reply Magon, Verein, Ato. Old Bearin Robel Blantes. Provious, Printip Cida-103, 101. Gair Stan, bake (2) (0632) 2411 1227 241 1329 E-mail: #umbigoodFrediffications

55700-180

Lab approximation MoEF & CC 9480 to 10 93, 11 2023 # Continue by ISO 9001-1016 & ISO 45001 | 2016

TEMP OF STREET

		AMBI	ENT A	IR QUAL	ITY MONITORIN	G REP	ORT		
Rep	ort Date	30/07/2	022						
Nan	ie of Client	M/s. Me C/o GMF	gawide I Goa In	Constructi iternationa	on DMCC I Airport Limited				
Add	ress of Client	Mopa, G	)a						
Sam	pling Plan	SEEPL/U	D/FM7	r- 54	Sampling Proced	ure No.	SEEPL/QSI	2-10	
Sam	ple Collected I	By SEEPL R	eprese	ntative					
Mon	th of Sampling	july2022	2						
				AMBIEN	TAIR LOCATION				
Loca	ation of amble	nt air station	Rajvi	l Wada Tor	xem (Goa State)(G-	A6)			
Ave	rage Ambient	Temperature (°C)	30.2	Average !	Humidity (%)	69	Latitude	N 15948'4	
Ave	rage Wind Spe	ed (km/hr)	ur) 1.6 Average Wind dire			-		E 73 52'5	0.2"
inst	ruments Used		PPS(	APM-550),	RDS(APM-460) &G	PS (APM	-411)		
Sr.	Date of	Report No.				PARAMI	ETERS		
No	Sampling	Report No.		PM <sub>to</sub>	PM <sub>25</sub>	SO2	NOx	CO	SPM
1	04/07/2022	SEE/AR/07/2022	0060	22.43	6.15	<3.00	<6.00	0.02	28.78
2	07/07/2022	SEE/AR/07/2022	0103	24.96	7.07	<3,00	<6,00	0.03	32.04
3	11/07/2022	SEE/AR/07/2022	0188	17,25	5.74	<3.00	<6.00	0.02	23.10
4	14/07/2022	SHE/AR/07/2022	0259	20.80	8.69	<3.00	<6.00	0.02	29.75
5	18/07/2022	SEE/AR/07/2022	0321	23.00	5.20	<3.00	<6.00	0.05	30.51
6	21/07/2022	SEE/AR/07/2022	0375	18.61	9.56	<3.00	<6.00	0.03	28.56
7	25/07/2022	SEE/AR/07/2022	0415	32,61	10.31	<3.00	6.85	0.05	43.41
В	28/07/2022	SEE/AR/07/2022	/0630	13.45	6.61	<3.00	<6.00	0.02	20.95
	NAA	QS Limits*	-	100	60	80	80	4	
		Units		ng/m³	μg/m <sup>g</sup>	pg/m³	µg/m³	mg/m³	pg/m²
		Method		IS 5182( Part 23)	Lab SOP NO.: SEEA.D/SOP-AA-04	(Part 02		1S 5182( Part 10)	(S 5182( Part IV)

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Aditya Naik

2)Pandurang Gawas (

Analyzed by

Varsha Pole Reviewed by

Anandeep Sawant Authorized Signatory

### Respirable Dust Sampler's with Gaseous Sampling

Se No	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 BL(SR NO.1897-DTJ-2014)	LES-CCL/FF/MF/SC/1151	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 BL(SR NO.1897-DTI-2014)	LES-CCL/FF/MF/SC/1725	13/07/2022	12/07/2023

#### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 03-DTA-2017)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FP5 - AL 112	LES-CCL/FF/PM/SC/1107	15/07/2021	14/07/2022

Sr.No.	Equipment Name	Gertificaté No.	Calibrated on	Calibration due date
Ul	FPS - AL 112	LES-CCL/FF/PM/SC/1671	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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CHILDREN. 2011-001

East accombined by BioEF & CO Yang up to 03, 11,2023 A Contribed by ISO 0001;20 to & 1807 4500 (1701)

		AMBI	ENTA	IR QUAL	ITY MONITORIN	G REPO	ORT		
Rep	ort Date	30/07/2	022						
Nan	ne of Client		M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited						
Add	ress of Client	Mopa, Go	Mopa, Goa						
Sam	pling Plan	SEEPL/L	D/FMT	MT-54 Sampling Procedure No. SEEPL/QSP-10					
Sam	ple Collected I	By SEEPL R	eprese	ntative					-
Mon	th of Sampling	july2022							
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Satar	da(Mahara	shtra State)(M-A1)				
Ave	rage Ambient	Temperature (°C)	30.6	Average	Humidity (%)	70	Latitude	N1543'0	
Ave	rage Wind Spe	ed (km/hr)	1.7	1	Wind direction (Deg	-	Longitude	E 73º46'0	0.2"
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G				
Sr.	Date of	Danast No.				PARAME			
No	Sampling	Report No.		PM <sub>16</sub>	PM <sub>2.0</sub>	SO	NOx	co	SPM
1	04/07/2022	SEE/AR/07/2022/	0061	20.13	5.86	<3.00	<6.00	0.03	26.25
2	07/07/2022	SEE/AR/07/2022/	0104	15.74	9.23	<3.00	<6.00	0.02	25.25
3	11/07/2022	SEE/AR/07/2022/	0189	28.14	6.74	<3.00	<6.00	0.03	35.28
4	14/07/2022	SEE/AR/07/2022/	0260	26.13	7.11	<3.00	<6.00	0.05	33.36
5	18/07/2022	SEE/AR/07/2022/	0322	16.35	5,36	<3,00	<6.00	0.02	26.24
6	21/07/2022	SEE/AR/07/2022	0376	31.73	10.23	<3.00	<6.00	0.06	43.23
7	25/07/2022	SEE/AR/07/2022/	0417	21.22	6.86	<3.00	<6.00	0.03	28,36
8	28/07/2022	SEE/AR/07/2022	0631	13.26	6.49	< 3.00	<6.00	0.02	23.10
	NAA	QS Limits*		100	60	80	80	4	-
		Units		µg/m³	µg/m³	µg/m³	μg/m <sup>.1</sup>	mg/m <sup>3</sup>	µg/m³
	- (	Method		IS 5182( Part 23)	Lab SOP NO,; SEE/LD/SOP-AA-D4	(Part 02)	IS 5182 (Part 06)	IS 5182( Pari 10)	IS 5182( Part IV)

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Aditya Naik

2)Pandurang Gawas (

Analyzed by

Varsha Pole Reviewed by

Agardeen Sawant Authorized Signatory

HEAD OFF & LAB : Plot No. A-95. Rose Sig. 16. Keen Higgs Float. M.LD C. Wogns Invastries Area. Thoms - 400 604. Mintercenters State, Inches. € : 191-223,2363,33311 / 2513-3323 + 2503-3323 + 2503-15324 • E-mail: politylindisternismi com / palianeni Egypniik com Statestard by Minterly of Environment, Premit & Climate Change, Court Of India, Tx, D. 807. (1)

BRANCH OFF 100, Dempo Towers, EDC Palto, Panap-403.001, Goa State, Innia 🐉 (10832) 2437048 / 2437104 Estrait and characteristic from Louis = Waltalia awww. and an amount of the CIN C4520 MH (058 PTC - Page 276 of 567

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
		LES-CCL/FF/MF/5C/1149	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 (SR NO. 1901-DT1-2014)	LES-CCL/FF/MF/SC/1718-	13/07/2022	12/07/2023

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
n1	UV	In House Calibration

## Fine Particulate Sampler (5R NO. 104-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3402	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/SG83	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



8-306/307 Part No. 61, Patert Elaptic, Ricks Magna, Verent, Alto, Out Bonne Stood, Blames, Porvision, Patelly-Gcts-492 101. Guir State, finia, 40 (0832) 24113227 2411923 € Emilit, standago o Chin film 4 (um

Limit acceptabled by MoDF A CC Marks as to 63.11.2003 # Continued by (500 900 ) 1010 6, (500 4500 ) 12015

SPAR FLIFTON JYVE LIN

		AMBI	ENT A	IR QUAL	ITY MONITORIN	G REPO	RT		
Rep	ort Date	30/07/2	022						
Nan	ne of Chem	M/s. Mej C/o GMR	gawide Goa in	Constructi	on DMCC Airport Limited				
Add	ress of Client	Mopa, Go	a						
Sam	pling Plan	SEEPL/L	SEEPL/LD/FMT-54 Sampling Procedure No.   SEEPL/QSF-10						
Sam	ple Collected i	By SEEPL R	eprese	sentative					
Mor	ith of Sampling	july2022							
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Ding	na(Mahara	shtra State)(M-A2)				
Ave	rage Ambient	Temperature (°C)	30.4	Average	Humidity (%)	69	Latitude	N 15046 1	2.3"
Ave	rage Wind Spe	red (km/hr)	1.5	Average	Wind direction (Deg	) 237	Longitude	E 73/49/2	0.5"
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) & GF	S APM	411)		
Sr.	Date of	Daniel Ma			P	ARAME	FERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	502	NOx	CO	SPM
1	04/07/2022	SEE/AR/07/2022/	0062	12.90	7.24	≈3.00	<6.00	0.05	20.54
2	07/07/2022	SEE/AR/07/2022/	01.05	29.46	6.03	<3.00	<6.00	0.03	26.90
3	11/07/2022	SEE/AR/07/2022/	0190	16.14	6.45	<3,00	<6,00	0.02	23.05
4	14/07/2022	SEE/AR/07/2022/	0261	15.10	5.11	≈3.00	<6.00	0.03	20.39
5	18/07/2022	SEE/AR/07/2022/	0323	12.67	6.07	<3.00	<6.00	0.02	19.04
6	21/07/2022	SEE/AR/07/2022/	0377	20.09	7.53	<3.00	<6.00	0.03	28.41
7	25/07/2022	SEE/AR/07/2022/	0418	17.43	6.69	<3.00	<6.00	0.02	24.59
8	28/07/2022	SEE/AR/07/2022/	0632	18.27	5.36	<3.00	<6,00	0.03	29.49
	NAA	QS Limits*		100	60	80	80	4	-
		Units		pg/m²	pg/m <sup>2</sup>	µg/m³	lig/m³	mg/m³	µg/m
		Method		(\$ 5182( Part 23)	Lab SOP NO.: SEEA D/SOP-A4-04	(Part 02)	IS 5182 (Part 06)	IS 5182( Part 10)	Part N

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

SEE/LD/SOP-AA-04 (Part 02)

. Test methods of analyzed parameters are back side of analysis report.

1)Aditya Nalk

2)Pandurang Gawas

Analyzed by

Varsha Pole Reviewed by

Ahandeep Sawant Authorized Signatory

Part 10

Part IV)

HEAD OFF, & LAB: First No. A-25, Reset No. 11, Searn Iniquit Foors, M.L.D.S., Wagne Industrial Area, Thaner 400 001, Manuscripts, State, India. (i) (i) 1-22) 2563 3321 / 2563 3322 | 2563 3322 | 2563 3323 / 3563 3324 # [] may [] par@coolingwyco.com / pondolonglymm | con-Survivor by Minney of Environment, Forces & Climate Change, Govt Of India, S. O. 657 (E)

BRANCH OFF. : 310, Dempo Towers, EDC Pano, Panaji-405 001. See State, India (2): (00:02) 2437040. (2021)04.

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## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
		LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

guinment Name	Certificate No.	Calibrated on	Calibration due date
A CONTROL OF THE CONT	3+1	13/07/2022	12/07/2023
Z	quipment Name DS- CEIS 121(SR NO.01-DTB-2017)	(uipment Name	(uipment Name

#### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
61	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 110-DTK-2012)

nent Name	Certificate No.	Calibrated on	Calibration due date
ATTENDED TO STATE OF THE PARTY	EI/EE/3540	18/02/2022	17/02/2023
÷	PM 550 MINI	HALL STATE OF THE	10/07/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



D-200707, Peri No. 61, Patal Estatu. Reis Magii s. Vornin, Alio, Ola Bertin Fonci. Bornitez Derentini Palati Con 403 401. Con Mali: India. 77 (0032) 24-1322 (21 ):123 \* E-patal participal (1 ):2000-1,000

Lab arry — Bed by MilEF & CC Valid as to 03. (1.2023 ★ Conflict by ISO 9001:2015 & (5i0 45001 - 1018)

SUMMER CONTRACT

		AMBI	ENTA	IR QUAL	ITY MONITORING	REPC	RT		
Rep	ort Date	30/07/2	022						
Nan	ne of Client		M/s. Megavide Construction DMCC C/o GMR Goa international Airport Limited						
Add	ress of Client	Мора, С	a		774				
Sam	pling Plan	SEEPL/1	D/FMT	- 54	Sampling Procedu	e No.	SEEPL/QS	P-10	
Sam	ple Collected	By SEEPLR	eprese	ntative					
Mar	ith of Sampling	g July2022	1		and the same of				
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	ntair station	Neta	de(Mahara	ashtra State) (M-A3)				
Ave	rage Ambient	Temperature (°C)	30.6	30.6 Average Humidity (%) 69 L			Latitude	N 15046'1	1.7"
Ave	rage Wind Spe	ed (km/hr)	1.5 Average Wind direction (Deg) 217 Longitude E 73°50'4				8.0"		
Inst	ruments Used		FPS(	APM-550).	RDS(APM-460) &GPS	[APM	-411)		
Sr.	Date of	Report No.				RAME			-
No	Sampling	nispana nan		PM <sub>t0</sub>	PM <sub>2.5</sub>	SO2	NOx	CO	SPM
1	04/07/2022	SEE/AR/07/2022/	0063	14,64	6.03	<3.00	<6.00	0.02	21:24
2	07/07/2022	SEE/AR/07/2022/	0106	12.60	5.13	<3.00	<6.00	0.05	17.78
3	11/07/2022	SEE/AR/07/2022/	0191	22.39	7.44	<3.00	<6.00	0.06	29.92
4	14/07/2022	SEE/AR/07/2022/	0262	19:10	5.70	<3.00	<6.00	0.03	25.13
ā	18/07/2022	SEE/AR/07/2022/	0324	15.63	6.99	<3.00	<6.00	0.02	23.19
6	21/07/2022	SEE/AR/07/2022/	0378	16.09	8.11	<3.00	<6.00	0.03	25.41
7	25/07/2022	SEE/AR/07/2022/	0419	18.50	6.70	<3.00	<6.00	0.03	25,67
8	28/07/2022	SEE/AR/07/2022/	0633	20.97	8.36	3.08	<6.00	0.02	30.16
	NAA	QS Limits*		100	60	80	80	4	U.
		Units		ug/m)	μg/m³	μg/m³	μg/m³	mg/m	µg/m³

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

Method

: Test results relate only to the condition prevailing at the time of sampling

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IS 5182(

Part 23)

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Lab SOP NO

SEEAD/SOP-AA-04

IS 5182

(Part 02)

IS 5182 (Part

06)

. Test methods of analyzed parameters are back side of analysis report:

1)Aditya Naik 2)Pandurang Gawas Analyzed by

Varsha Pole Reviewed by Argandeep Sawant Authorized Signatory

15 5 182(

Part 10

IS 5182(

Part IV)

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(O : (01-23) 2563-3321 / 2863 6322 ( 2863 632) / E Air 3 (24 6 C main predimentation who done / pseudokonzylgoval cont.

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### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
01	ROS- APM 450 BLISR NO.2024-DTD-7016)	LES-CCL/FF/MF/SC/1144	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
Di	RDS- APM 460 BL[SR NO.2024-DTD-2016]	LES-CCL/FF/MF/SC/1722	13/07/2022	12/07/2023

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	LIV	In House Calibration

## Fine Particulate Sampler (SR NO. 105-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/MF/SC/1155	15/07/2021	14/07/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/5085	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Life according by MoSE & CC Validage to 05 to 2025 € Certified by ISO 9001, 2015 & ISO 45801 2018

SAVE MULEUR

	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/07/2022/0192	Date of	Issue	15/07/202	2
Nama of Client	Ms, Megawide Construction			1	
Address of Client	Мора Сов				
Sample Collected By	SEEPL Representative	Environmental condition of Lab			
Date of Sampling	11/07/2022	Temperature(°C)	28.0	Humidity (%)	64
Analysis Started On	14/07/2022	Analysis Completed On		15/07/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	Mopa Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method	
01	Total VOC	<1.0	ppm	Method 18	

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmila Kapdoskar Analyzed by Versha Pole Reviewed by

Ananideep Sawant Authorized Signatory

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### Organic Vapour Sampler

Sr.No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



B-300/b07, Plot No. 61, Proof Estate, Gais Mages, Vience, Alle, Old Rebird Hand, Burder, Princepti, Parodi Don 403-101. God Shale, India 10 (0032) 2411.1227 (1411.2214 Estatis) sturiological (redulfinis) coor

Limit accordated by MoLEF & C.C. Valid up to 03 11 2023 ■ Cartified by ISO 9001 2015 & 13D 45001 : 2010.

SINE LINE

	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/07/2022/0193 Date of Issue			15/07/202	22
Name of Client	M/s. Megawide Construction C/o GMR Goa internationa				
Address of Client	Mopa, Goa				
Sample Collected By	SEEPL Representative Environmental condition of Lab				
Date of Sampling	11/07/2022	Temperature(°C)	28.0	Humidity (%)	64
Analysis Started On	14/07/2022	Analysis Completed On 15/07/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mopa Airport Premises)	
Instruments Used	Organic Vapour Sampler	

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested

. Test results relate only to the condition prevailing at the time of sampling.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Susmita Kapdoskar Analyzed by Varsha Pole Reviewed by

Anandeep Sawant Authorized Signatory

### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	24-DTD-2016	EI/FF/3524	18/02/2022	17/02/2023



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Lab a condited by MoSF & CC Valid to to 63, 11 2025 € Contilled by ISC 9001,2018 & ISO 45001 - 2018

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	AMBIENT AIR QU	ALITY MONITORING	REPORT		
Report No.	SEE/AR/07/2022/0194	Date of Issue		15/07/202	22
Name of Client	M/s. Megawide Construction C/o GMR Goa International			,	
Address of Client	Meps, Goa				
Sample Collected By	SEEPL Representative Environmental condition of Lab				
Date of Sampling	11/07/2022	Temperature(0C)	28,0	Humidity (%)	64
Analysis Started On	14/07/2022	Analysis Completed On 15/07/2022			

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)	
Instruments Used	Organic Vapour Sampler	

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapcoskar Analyzed by Varsha Pole Reviewed by

An

Anendeep Sawant Authorized Signatory

#### Calibration details of Equipment used for Sampling & Analysis

#### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
D1	OVS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



III DB/2017 Pict No. 94, Palet Estate, Halls Magos, Varent, Ako, Old Belim Mona, Parties Pérvesin, Françoisca-400 UEL Sun Mata, Jodia. 90. (0802) 25 HEZZ / 241 UZS # 5-mail: stranggreggregatmul.com

Lab approximativy MoEF A CC Mark to to 03.11 2033 A Contract by ISO 9201 2017 A ISO 45001 - 2018

We then

	WORKPLACE NO	ISE LEVE	L MONITORING R	EPORT			
Report No.	SEE/AR/07/2022/0195-0199		Date of Issue		14/07/2022		
Name of Client	M/s Megawide Constru C/o GMR Goa internati						
Address of Client	Mopa, Goa						
Sampling Plan	SEEPL/LD/FMT- 54	Sampl	ing Procedure No.	SEEPL/QSP-10			
Sample Collected By	SEEPL Representative	SEEPL Representative					
Date of Sampling	11/07/2022	11/07/2022					

Chemical Testing - Atmospheric Pollution

C- N-	Barrier Wa	Sampling Location	Noise in dB (A)
Sr. No.	Report No.	(From 1.0 meter off)	Day Time
01.	SEE/AR/07/2022/0195	Ultratech Batching Plant	75.3
02.	SEE/AR/07/2022/0196	PTB 1- Processor Area LO	81.3
03.	SEE/AR/07/2022/0197	PTB 2- Level L2	83,4
04.	SEE/AR/07/2022/0198	MRSS Building	68.7
05.	SEE/AR/07/2022/0199	CFRM Building (Water Tank)	69.5

- Occupational Exposure Limit for noise as per OSHA is 90dB (A) TWA (8hrly).
- \*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.
- "A" in dB(A) Leq. denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leg: It is the energy mean of the noise level over a specified period.

Note : Test results related only to the sample tested.

. Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Sanjivan Gawas Monitored by

Varsha Pole Reviewed by Agandeep Sawant Authorized Signatory

#### Calibration Details of Equipment used for Sampling

#### Noise Level Meter No.3 (HE:002221H)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date	
01	Noise Level Meter	LES-CCL/MECH/SLM/344	19/07/2021	18/07/2022	



0.000/07, Plot No. Rt. Pakel Felsia. Oss Magna, Versen, Alic O'd Berns Souri. Burder, Processor Eventy-Gio 400 (01). Due Shim, Imma. (C., (0032) 24 (102) 9 (102) 5 E-mail: stroopg.cog/contront.com.

Lab according by MOEF & CC Valid to 11-02.11 2023 # GUISTON LIVE ISC 900 L 2015 & (SO #5001 L 2018

Stope in o

	NOISE LEVE	L MONITORING RE	PORT				
Report No. SEE/AR/07/2022/0634-0635, 0346-0647, 0421, Date of Issue 03/08/2022							
Name of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limites							
Address of Client	Mopa, Gos						
Sample Collected By	SEEPL Representative	SEEPL Representative					
Sampling Plan	SEEFULD/FMT-54	Sampling Pro	cedure No.	SEEPL/QSP-10			

Chemical Testing - Atmospheric Pollution

Sr.	Date of	Report NO	Zo Sampling Location		Day Time Noise in dB(A)			Night Time Noise in dB(A)			
No	Monitoring		n ID ne sampling constant		Lmin	Lmax	Leq	Lmin	Lmax	Lan	
1.	28/07/2022	SEE/AR/07/2022/0634	G-N1	1	Mopa Boundary	30.0	75.4	59.3	30.2	75.5	64.2
2.	28/07/2022	SEE/AR/07/2022/0835	G-N2	1	Sharrecheadvan Boundary	30:1	74.3	66,3	30.0	70.2	52.8
3.	31/07/2022	SEE/AR/07/2022/0848	G-N3	G	Nagzar	30.4	69.4	50.9	315	67.8	47.3
4.	31/07/2022	SEE/AR/07/2022/0847	G-NA	R	Purva Casarvamem	30.2	53.1	46.5	30.0	54.5	39.6
5.	25/07/2022	SEE/AR/07/2022/0421	G-N5	R	Charidel	30.0	69.6	43.2	30.0	60.4	38.4
6.	27/07/2022	SEE/AR/07/2022/0822	G-N6	R.	Khajne Amere Porscodem	30.0	70.3	48.3	30.0	57.4	39.3
7.	25/07/2022	SEE/AR/07/2022/0420	G-N7	3	Warkmand	35.1	70.3	46.6	31/2	58.4	38.5
8	30/07/2022	SEE/AR/07/2022/0644	G-N8	0	Rejvil Wada Torxem	30.0	71.1	50.9	30.4	58.4	43.2
9	30/07/2022	SEE/AR/07/2022/0643	G-N9	E	Village Panchayat Tamboxem -Mopa- Ugvarn	33.4	69.6	54.2	30.1	63.2	44.0
10.	27/07/2022	SEE/AR/07/2022/0623	M-N1	R	Satarda	30.5	70.4	46.5	30.3	52.5	38.4
11.	29/07/2022	SEE/AR/07/2022/0640	M-N2	B	Dingria	30.3	68.5	47.2	30.0	57.6	38.7
12.	29/07/2022	SEE/AR/07/2022/0641	M-N3	R	Netarda	30.4	70.6	44.2	51.4	69.4	39.3

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows.

Aran Codo	Category of Area	Limits in dE(A) Leq			
ee an eama	Catefory of Met	Day Time	Night Time		
(A)	Industrial Area (1)	75	70		
(8)	Communical Area ( C )	65	58		
(0)	Residential Area (R)	55	45		
(Đ)	Silance Zona (S)	50	40		

Day time is renkoned in between 6,00am to 10,00pm and night time is reckaned in between 10,00pm to 6,00am.

"dB(A) Leg donotes the time weighted average of the level of sound in decibels on scale A which is relatable to human bearing. A "decibel" is a unit in which noise is measured.

 A', in sB(A) Leg, denotes the frequency weighting in the measurement of noise and corresponds to frequency rescionse characteristics of the human ear

Leq: It is the energy mean of the noise level over a specified period

Note: Monitoring has been done as per GPCB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Galibration details of the equipments used in monitoring and / or analysis is back side of analysis apport.

San Van Gawas Monitored by Varia Pole

Reviewed by

Ananteep Sawant Authorized Signatory

HEAD OFF & LAB 1 PM N., A 35, Food No. 14, Asser Hager Rose, M LOLG. Wager Industrial Area. There into a post-off-section and the section of the section of

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310, Deropo Towers, EDC Parie, Panaji-401 001. Gua State, India 20 (0837) 2137043 / 2437184

Page 290 of 567

#### Calibration Details of Equipment used for Sampling

#### Noise Level Meter No.3 (HE:002221H)

quipment Name	Calibration Certificate No.	Calibrated on	Calibration due date	
	LES.CCL/MECH/SLM/S64	23/07/2022	22/07/2023	
ч	quipment Name	quipinetta (company) com a force	quipment mente cambiocon est anexes (2.14.1964 22.102.1979)	

#### Noise Level Meter No.4 (HE:001774H)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
01	Noise Level Meter	LES-CCL/MECH/SLM/562	23/07/2022	22/07/2023



SINE LINE

Lab exceptibled by MoDF & CC Valid on to US 11, 2023 4 Combad by 150 9001 2019 & ISO 15001 . Hitle

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/07/2022/151		Issue Date	08/07/20	22		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa						
Order / Reference	a = -overnocosavers	94000000	THE CONTRACTOR OF PARTY OF PAR		Humidity %		
	As per dated: 04/07/2022	Environmental Condition of Lab		28	65		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall-2 (CV-18) A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	04/07/2022			
Sample Collected by	SEEPL Representative		Sample Received On	04/07/2022			
Analysis Started On	04/07/2022		Analysis Completed On	08/07/2022			
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml			

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1	pH	7.07		APHA( 23rdEdition ) 4500 H++B
2.	Chemical Oxygen Demand (COD)	<4.00	mg/lit	APHA( 23=Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2,00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	83.00	mg/lit	APHA( 23 <sup>M</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	2.80	mg/lit	APHA( 23 <sup>#</sup> Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	32.00	rng/lit	APHA( 23 Edition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawade Analyzed by

Varsha Pole Reviewed By

chopdekar

Applifeep Sawant Authorized Signatory

JEEAD OFF, & LAB : Piol No. A-95, Road No. 16, Khan Nugar Houd, M. D.C. Vingle Industrial Area, Thorns - 401 1014, Mahamathia Statu, trudu.

② (0) 32) 2885 3327 (2883 3327) 2083 3320 (2503 3320 • E-mid. pod@sadekireroto.com (polatikarb@gnuil.com

Greenest By Ministry or Environment, Forest & Climate Charges, Goot Of India, E. O. (67-6)

BRANCH OFF. : 310, Dempo Sowers, EDC Parts, Farag-403 001, Goo State, India (6): (0832) 2487049 / 2527164

Expel | nadeka ervira@pud@mull.com \* Wobullo ; www.indexuranyro.com \* CIN - UES0900 (USB)FT C.Page 292 of 567

				Calibrat	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/08/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



ISODUSOZ, Pisk No. 61, Paler Estata, Rela Magos, Vorum, Alto, Old Bellin Hood, Bardez, Porvotim, Ppingi-Gue-403 101 Gos State, India (C) : (1970) 2811/22 / 2411523 \* E-mail: statiologour/freditional cure

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Life according by MaGE & CC Valid up to 63.11.0023 # Centiling by ISC 6001;2015 & ISO 45001 | 2016

	ANALYSIS REPO	ORT FOR	WATER SAMPLE	104			
Report No.	SEE/07/2022/152		Issue Date	08/07/20	22		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Мора, Goa						
Order / Reference		Color	Environmental Condition of Lab		Humidity %		
	As per dated 04/07/2022	CIVIDITITISHES CONDIDING OF CHAP		28	65		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/CSP-10			
Sampling point	Airside outfall -2 (CV 13 ) A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	04/07/20	122		
Sample Collected by	SEEPL Representative		Sample Received On 04		22		
Analysis Started On	04/07/2022		Analysis Completed On 08/		22		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
î.	pH	7.07		APHA(25*Edition) 4500 H+-8
2.	Chemical Oxygen Demand (COD)	32.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	2.80	mg/lit	IS 3025 (Part 44)
4,	Total Suspended Solids (TSS)	80.00	mg/lit	APHA( 23 dedition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>-y</sup> Edition ) 5520-O 8G
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA( 23MEdition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawado Analyzed by

Versha Pole Reviewed By

Amandeep Sawant Authorized Signatory

HEAD CEF. & LAB : Plot No. A-95, Flood No. 10, Klein Nagar Road, M.L.D.C. Wagle Industrial Area. Thorne - 400 604. National Res Builte. Inclin ② : (91, 22) 2503 3321 / 2563 3522 / 2563 3323 / 2563 3324 • E-mail: programmic conversion. / provincertifigural conv.

Gaznitod By Ministry of Environment, Forms & Climest Change, Gov. Of India, S. O. 657 (Et.

BRANCH OFF. : 310, Democ Towers, EDC Patts, Panel-403-001, Gos State, India (D.: (0002) 2417048 / 2427164

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_	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BCD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



B-306/307, Flot No. 65, Paral Essats, Rhim Magne, Vintern, Pilo, Old Bellin Road, Bardey, Porvoran, Pursaj Goa-103 101. Goa Shalle, India, 10. (10832) 2411322 / 2411323 \* E-mail::::lantabgoa@end@mail.com

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Each recredited by MisEF & CIC Walld up to 03.11.2023 # Cardilled by ESD 9001-2015 & ISO 49001 : 2018.

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/153		Issue Date	08/07/20	22	
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Мора, Goa					
Order / Reference	A TOTAL A REPARENCE	Facility	Environmental Condition of Lab		Humidity %	
	As per dated 04/07/2022	Chyrian namai Carlamon o: Cau		28	55	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside outfall -2 (CV 13A )	Amberem				
Sample details	Storm Water Outfall 2		Date of collection	04/07/20	22	
Sample Collected by	SEEPL Representative		Sample Received On 04/07		7/2022	
Analysis Started On	04/07/2022		Analysis Completed On 08/07/		22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity 100		1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	8,90	2	APHA( 23riEdition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 <sup>n</sup> Edition ] 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	77.00	mg/lit	APHA( 23°Edition ) 2540-D
5.	Oil & Grease (O & G)	2.00	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	36,00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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Versha Pole Reviewed By Analyteep Sawant Authorized Signatory

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E-mail: sadd-liai-wining@red filmult.com \* Website: www.sudgitarenning.com \* City - U459666411-19999-1C, Page 296 of 567

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
04	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/07/2022/154		Issue Date	08/07/20	22
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Order / Reference	A DESCRIPTION OF THE PARTY OF T	walala	Environmental Condition of Lab		Humidity %
	As por dated 04/07/2022	Environmental Condition of Cap		28	66
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10	
Sampling point	Airside Outfall -5 ( Chandel	)			
Sample details	Storm Water Outfall 5		Date of collection	04/07/20	22
Sample Collected by	SEEPL Representative		Sample Received On	04/07/20	122
Analysis Started On	04/07/2022		Analysis Completed On	08/07/20	122
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
ŧ.	рН	7.59	(4)	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	28.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	73.00	mg/lit	APHA( 23=Edition ) 2540-D
5.	Oil & Grease (O & G)	4.00	mg/lit	APHA( 23rd Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By Andribeep Sewant Authorized Signatory

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(f) : (91-49) 2585 3321 / 2583 3322 / 2583 3322 / 2580 3324 € E-mail : pra@catelizaremino.com / pawinkin/3@grand.com

Gazetad Sy Ministry of Eswinnersin. Forest & Climate Change. Govt Offindia, S. O. 657 (E)

BRANCH OFF. : 310, Duning Taylor, EDC Petro, Panag-403-001, Goa State, India 🖒 (0132) 24370467, 2432164

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_				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD Incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	12/009	T2021/11/006	11/11/2021	11/11/2022	



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ANALYSIS REPO	ORT FOR	WATER SAMPLE			
SEE/07/2022/155		Issue Date	08/07/2022		
M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited					
Mopa, Goa					
Non-conductive of the same state of	Taulos	F-12 - 12 - 12 - 12 - 12 - 12 - 12 - 12		Humidity %	
As per dated 04/07/2022	Environmental Condition of Cab		28	65	
SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Airside Outfall 3 - Varconda	1				
Storm Water Outfall 3		Date of collection	04/07/20	22	
SEEPL Representative		Sample Received On	04/07/20	22	
04/07/2022		Analysis Completed On	08/07/20	22	
Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml	
	SEE/07/2022/155  M/s. Megawide Construction C/o GMR Goa International Mopa, Goa  As per dated 04/07/2022  SEEPL/LD/FMT- 54  Airside Outfall 3 - Varcondal Storm Water Outfall 3  SEEPL Representative 04/07/2022	SEE/07/2022/155  M/s. Megawide Construction DMCC C/o GMR Goa International Airport L Mopa, Goa  As per dated 04/07/2022 Enviro  SEEPL/LD/FMT- 54 Samplin Airside Outfall 3 - Varconda  Storm Water Outfall 3  SEEPL Representative  04/07/2022	M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited Mops, Gos As per dated 04/07/2022 Environmental Condition of Lab SEEPL/LD/FMT-54 Sampling Procedure No. Airside Outfall 3 - Varconda Storm Water Outfall 3 Date of collection SEEPL Representative Sample Received On 04/07/2022 Analysis Completed On	SEE/07/2022/155         Issue Date         08/07/20           M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited         Temp ° C           Mopa, Goa         Environmental Condition of Lab         Temp ° C           As per dated 04/07/2022         Environmental Condition of Lab         Temp ° C           28         SEEPL/LD/FMT- 54         Sampling Procedure No.         SEEPL/QSP           Airside Outfall 3 - Varconda         Date of collection         04/07/20           SEEPL Representative         Sample Received On         04/07/20           04/07/2022         Analysis Completed On         08/07/20	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
£	pH	6.53	-21	APHA( 23×Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23rd Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	18.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	39.00	mg/lit	APHA( 23 Edition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

Varsha Pole Reviewed By Anangeap Sawant Authorized Signatory

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_	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04	Hat Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MASEF & CC Visit up to \$3.11,2023 \* Certified by 190 6301,2015 & ISO 45001 | 2018

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/07/2022/208		Issue Date	13/07/2	022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Ollent	Mopa, Goa	Mopa, Gos					
31.47.35-55			and the state of Lab	Temp * C	Humidity %		
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		27.8	65		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Landside Outfall 1 (Mainga	110)					
Sample details	Storm Water Outfall 1		Date of collection	07/07/	2022		
Sample Collected by	SEEPL Representative		Sample Received On	07/07/	07/07/2022		
Analysis Started On	07/07/2022		Analysis Completed On	13/07/	2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 (	1000 ml + 1000ml		

#### Chemical Parameters

Br. No.	Parameters	Results	Unit	Method
1.	pH	6.86	-	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 234 Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	68.00	mg/iit	APHA( 23**Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 <sup>-4</sup> Edition ) 5520-O &G
б.	Total Dissolved Solids (TDS)	44.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

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Varsha Pole Reviewed By

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Animideep Savant Authorized Signatory

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BRANCH OFF. : 310, Dempo Towers, EDC Parto, Partiji-403 001; Gos State, India (7): (0832) 2437040 / 8437164

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				Calibration Details	
Sr. No.	Equipment Name Equipment Id	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	C)/009	T2021/11/006	11/11/2021	11/11/2022



B-306/207, Fibr No. 61, Palet Estato, Reio Mergos, Verorri, Atta, Old Bellin Road, Bardez, Porveriri, Palety-Gris-903-103. God State, India: (D. : (0032) 2411:322 / 2411323 # E-mail: abs/labgras@reid@reid.com

SHALLINGS SHALLING

Lab accredited by MoSF & CC Valid up to 63.11.2023 \* Certified by ISO 5001,2015 & ISO 45001 | 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/209		Issue Date	13/07/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mopa, Goa					
66 E. BIEVE			anneated Constitue of Leis	Temp <sup>0</sup> C	Humidity %	
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		27.8	65	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall 2 (Tulask	arwadi)				
Sample details	Storm Water Outfall 2		Date of collection	07/07/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	07/07/20	122	
Analysis Started On	07/07/2022		Analysis Completed On	13/07/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	Hq	7.12	-	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	12.00	mg/lit	APHA( 23*Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	87.00	mg/lit	APHA( 23 Edition ) 2540-D
5,	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 <sup>-1</sup> Edition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	48.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawade Analyzed by

Varsha Pole Reviewed By Language Park

Anancieep Sawant Authorized Signatory

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Committee By Ministry of Environment, Farest & Climate Change, Gost Of India, S. D. 657 (E)

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E-mail: sedebaranyino@rediffmail.com • Wilbulla: www.sedebaranyino.com • Con - Liasyicodaj-Franciscom • Page 304 of 567

	1			Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	C)/009	T2021/11/006	11/11/2021	11/11/2022



Bi 200307, Plot No. 61, Parti Estato, Reis Wagon, Veceni, Ado. Old Berlin, Roed, Berlin, Porvenin, Panage-Gue-400 101. See Blate, Valla. (C., (6802) 2411322 / 25113234 E-mail: starbe-gen/Breckfins-Loan

SPACULATED SPACE LIFE

Lab according by McEF & CC talks up to 05 th 2023 # Centred by ISO 9901 2015 & ISO 45001 - 3016

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/232		Issue Date	13/07/20	22	
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Мора, Goa					
Order / Reference	Por Caragoro de La Maria	1940,000	General Constitution of the State of the Sta		Humidity %	
	As per dated 07/07/2022	Environmental Condition of Lab		27.8	65	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall 3 (Behind	d MCDMC	C Office)			
Sample details	Storm Water Outfall 3		Date of collection	07/07/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	07/07/20	122	
Analysis Started On	07/07/2022		Analysis Completed On	13/07/20	122	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	pH	8.00	7	APHA( 23ºEdition ) 4500 H+-B	
2	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23#Edition ) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	85.00	mg/lit	APHA( 23#Edition ) 2540-D	
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 **Edition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA( 23 Edition ) 2540-C	

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

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Analyzed by

Varsha Pole Reviewed By

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Aparigeep Sawarit Authorized Signatory

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_	1			Collibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



S-306/307, Plot No. 61, Patel Estate, Reis Magari, Verom, Alte, Old Besim Road, Bandar, Porvorin, Famas-Gao-403 101. See State, Vide. (C) - (1932) 2411-327 / 2411323 \* E-mail: starbby/upfbuddhoalt.com

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Lab activabled by MISEF & DC Varidup to DE 11 2023 A Centiled by ISO 9301 2015 & ISO 40001 2019

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/233		Issue Date	13/07/20	22	
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference		199000000	Care and the control of the control		Humidity %	
	As per dated 07/07/2022	Environmental Condition of Lab		27.8	65	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall 4 (Hot mix F	Plant)				
Sample details	Storm Water Outfall 4		Date of collection	07/07/2022		
Sample Collected by	SEEPL Representative	SEEPL Representative		07/07/20	122	
Analysis Started On	07/07/2022		Analysis Completed On:	13/07/20	22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
Ť.:	рН	6.79	-	APHA( 23mEdition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24,00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	72.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.20	mgЛit	APHA( 23 Edition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	50.00	rng/lit	APHA( 23 dEdition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

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Varsha Pole Reviewed By

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Arfarideep Sawant Authorized Signatory

HEAD OFF, & LAB .: Plut No. A-66, Road No. 18, State Nagar Fond, M.L.D.C. Wagin Investmel Acce, Trans- - 410 See Manacashira State, India.

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_				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



B-30-8/107, Plot No. 61, Paled Estate, Gain Magain, Viverin, Phil. Clid Bellin Road, Bandez, Pocyonim, Panag-Goa-403 101 Goa Stale, India, 10 .: (0832) 2411322 / 2411323 \* E-mail: minnabgraggradiffmail.com

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Lab accredited by MuEF & CC Void up to 03.11.2023 a Certified by ISO 9001-2015 & ISO 45001-2018.

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/360		Issue Date	21/07/20	22	
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
CONTRACTOR ATTERNESS CONTRACTOR	UKANT ARVOR SAMWANGAN	Parama	one of the sentence of the	Temp <sup>2</sup> C	Humidity %	
Order / Reference	As per dated 16/07/2022	Environmental Condition of Lab		28	56	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outlail 3 Varconda					
Sample details	Storm Water Outfall 3		Date of collection	16/07/20	22	
Sample Collected by	SEEPL Representative		Sample Received On 16		22	
Analysis Started On	15/07/2022		Analysis Completed On 21/		22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method		
1.	pH	6.65		APHA( 23#Edition ) 4500 H+-B		
2.	Chemical Oxygen Demand (COD)		<4,00	740.100	mg/lit	APHA( 23 <sup>re</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)		
4.	Total Suspended Solids (TSS)	8.00	mg/lit	APHA( 23rdEdition ) 2540-D		
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 mEdition ) 5520-0 &G		
6.	Total Dissolved Solids (TDS)	30.00	mg/lit	APHA(23 <sup>rd</sup> Edition) 2540-C		

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

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_				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hat Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022



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Lab according by NoET & CC Visid up to 03 11 2023 a Certified by ISO 9001 2915 & ISO 45001 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/07/2022/361		Issue Date	21/07/20	22		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa			Temp °C	/		
an impaga sayan	The same of the sa	- September 1			Humidity %		
Order / Reference	As per dated 16/07/2022	Environmental Condition of Lab		28	66		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Alraida Outfall 4( Hot mix P	lant)					
Sample details	Storm Water Outfall 4		Date of collection	16/07/20	122		
Sample Collected by	SEEPL Representative		Sample Received On	16/07/20	16/07/2022		
Analysis Started On	16/07/2022		Analysis Completed On	21/07/20	122		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
4.	pH	7.56	-	APHA( 23 Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	<4.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	23.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23 dEdition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by Varsha Pole Reviewed By

Arandeep Sawant Authorized Signatory

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				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MoEF & CC Wald up to 63 11 2023 # Contiled by ISO 9001 2015 & ISO 45001 | 2019

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/362		Issue Date	21/07/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited			
Address of Client	Mopa, Goa					
TENNEN EMPERATOR TOTAL	TO THE PARTY OF TH	(1+1000)side			Humidity %	
Order / Reference	As per dated 16/07/2022	Environmental Condition of Lab		28	66	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall 3( Behind	MCDMM	C Office)			
Sample details	Storm Water Outfall 3		Date of collection	16/07/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	16/07/20	16/07/2022	
Analysis Started On	16/07/2022		Analysis Completed On 21		)22	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.79		APHA( 23 <sup>st</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	<4.00	mg/lit	APHA( 23rdEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	29.00	mg/lit	APHA( 23×Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA( 23 <sup>nt</sup> Edition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawade Analyzed by Varsha Pole Reviewed By

Ayanteep Sawant Authorized Signatory

			Calibration Details		
Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
pirl Meter	Q/052	2021/09/001	04/09/2021	04/09/2022	
COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
Hot Air Öven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
	pH Meter COD Digester BOD incubator	pH Meter Q/062  COD Digester Q/019  BOD incubator Q/002	pH Meter   Q/062   2021/09/001	Equipment Name         Equipment Id         Certificate No.         Calibration Date           pH Meter         Q/062         2621/09/001         04/09/2021           COD Digester         Q/019         E2022/04/024         18/04/2022           BOD incubator         Q/002         E2022/04/023         18/04/2022	



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Lab according by MoEF & CC Visid up to 93 ht 2025 # Centred by ISO 9001 2016 & ISO 40001 - 2015

	ANALYSIS REPO	ORT FOR	WATER SAMPLE					
Report No.	SEE/07/2022/363		Issue Date		21/07/2022			
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited						
Address of Client	Mopa, Goa	Mopa, Goa						
Company of the	LOCATION DANGERON	14-121/1922	and the state of t		emp °C	Humidity %		
Order / Reference	As per dated 16/07/2022	Environmental Condition of Lab			28	66		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		-10		
Sampling point	Airside Outfall -2 (CV-13)	Amberem						
Sample details	Storm Water Outfall 2		Date of collection		16/07/2022			
Sample Collected by	SEEPL Representative		Sample Received On		16/07/2022			
Analysis Started On	16/07/2022		Analysis Completed On		21/07/2022			
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml + 1000ml			

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.63	- 2	APHA( 23°Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	<4.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	20.00	mg/lit	APHA( 23FEdition ) 2540-D
5.	Oll & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	42.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

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Varsha Pole Reviewed By

Anarideep Sawant Authorized Signatory

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				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MoEF & CC Valid up to 63 11 2023 \* Certified by ISD 9051 2019 & ISO 45001 1 2019

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/07/2022/364		Issue Date		21/07/2022		
Name of Client	M/s. Megawide Construction	n DMCC Il Airport L	imited				
Address of Client	Mopa, Goa						
ez silo ciarrama secr	(INVESTIGATION IN LANGUAGE)	#5357454	and atal Canalitan of Lake	Temp °C Humid		Humidity %	
Order / Reference	As per dated 16/07/2022	Environmental Condition of Lab		28		66	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SE	SEEPL/OSP-10		
Sampling point	Airside Outfall -2(CV -18) A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	tion		16/07/2022	
Sample Collected by	SEEPL Representative		Sample Received On		16/07/20	22	
Analysis Started On	16/07/2022		Analysis Completed On		21/07/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6,89	- 10	APHA( 23"Edition ) 4500 H+-B
2.	Chemical Oxygen Damand (COD)	20.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 5220-B
3,	Biochemical Oxygen Demand (27°C 3 day)(80D)	6.40	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	31.00	mg/lit	APHA( 23riEdition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 "Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	47.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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Dayant-Asmita Sawant

Analyzed by

Varsha Pole Reviewed By



Agambeed Sawart Authorized Signatory

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/008	11/11/2021	11/11/2022



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Lab according by MeEF & CC Visid up to 83 11 2023 \* Carolina by ISO 8901 2019 & (SO 49081 - 2018

	ANALYSIS REPO	RT FOR	WATER SAMPLE				
Report No.	SEE/07/2022/365		Issue Date		21/07/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	n DMCC I Airport L	imited				
Address of Client	Mopa, Goa						
2000 USES	a recommendation	2450,1950.	and the second second second	Humidity %			
Order / Reference	As per dated 15/07/2022	Enviro	nmental Condition of Lab		28	66	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SE	SEEPL/QSP+10		
Sampling point	Airside outfall -2 (CV-13A)	Amberen	1				
Sample details	Storm Water Outfall 2		Date of collection		18/07/2022		
Sample Collected by	SEEPL Representative		Sample Received On		16/07/2022		
Analysis Started On	16/07/2022		Analysis Completed On		21/07/20	122	
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
ħ.	PΗ	6.78	150	APHA(23ªEdition) 4500 H+-B
2,	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 "Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4,	Total Suspended Solids (TSS)	62.00	mg/lit	APHA(23 <sup>rd</sup> Edition) 2540-D
5.	Oll & Grease (O & G)	2.40	mg/lit	APHA( 23=Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	41.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawade Analyzed by

Varsha Pole Reviewed By Arandeep Sawant Authorized Signatory

HEAD OFF, 8 LARL | Frontier, Aris, Royal No. 16, Fourt Nagur Royal, M.L.D.C. Wagle Industrial Area, Tivere - 400 604, Attriprotein State, India. (2) : (91-22) 2593 33217 2593 33227 2593 33237 2593 33237 2593 3324 6 could programe companies on a contraction of the contraction of

Guanthiri By Misliony of Environment, Forest & Climate Change, Govi Of Hide, S. O. 467 (E)

BRANCH OFF. 1.310, Dumpo Revent. EDC Parts, Parts in 403.001. Gen State, Inche IC : (DECL) 24.37048 / 7407164 Page, 320 of 567 E-mail: sadekurenvargreetifi sull com \* Wesster: www.sadekurenvargreetifi sull com \* Wesster: www.sadekurenvargreetifi

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	0/062	2021/09/001	04/09/2021	04/09/2022	
02	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



8-306/367, Plot No. 61, Potel Estato, Roll: Magrat, Virram, Alta, Old Bellin Florid, Gardez, Forviron, Popul-Goli-403, 101, Con Siste, India 10 - (9832) 2411322 / 2411323 \* E-mail: statistigos/Bred/Frad com

Save Limen SEWELINE

Leb accredited by MeEF & CC Valid up to 83.11 2023 \* Cartified by ISO 9001:3015 & ISO 45001 - 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE	- 0			
Report No.	SEE/07/2022/356		Issue Dete	21/07	72022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goe International Airport Limited					
Address of Client	Mopa, Goa						
Order / Reference		104472100023	contract which there are tracted	Temp *	C Humidity %		
	As per dated 16/07/2022	Environmental Condition of Lab		28	66		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall -5 (Chandel	1					
Sample details	Storm Water Outfall 5		Date of collection	16/0	16/07/2022		
Sample Collected by	SEEPL Representative		Sample Received On	16/0	16/07/2022		
Analysis Started On	16/07/2022	DESCRIPTION OF THE PROPERTY OF		21/0	7/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000	ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	pH	7.59	-	APHA(23rtEdition) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 Edition ) 5220-B	
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	62.00	mg/lit	APHA( 23 Edition ) 2540-D	
5.	Oil & Grease (O & G)	3.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA( 23vEdition ) 2540-C	

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mount Asmita Sawant

Analyzed by

Varsha Pole Reviewed By

Apendeep Sawant Authorized Signatory

HEAD OFF, & LAB : Plot No. A-16. Rood No. 15. Rough Nagar Front, M-LDLC. Wages promotion Area, Thorns - 4xid Risk Manuschins State, India.

©: (01-02) 2865-3321 / 2363-3322 / 2863-3323 / 2663-3224 + C-mill | prisQsudetanin vivo.com / psiacetaid@gmail.com

Cattrified By Minerry of Environment, Forest & Climate Change, Scot. Of India, S. O. 857 (E)

BRANCH OFF. 2310, Dempo Tomers, EDC Paris, Parisp-403 (Q1), Gou State, India (5): (0832) 2437048 (245716)

Page 322 of 567

_				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/08/2021	04/09/2022
62.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



B-8067937, Pict No. 51, Potel Estate, Reis Magos, Versen, Alto, Old Balles Road, Barrier, Parveys, Parvey Good-805-101. Goar State, India: 10 .: (0002) 2411322 / 2411323 \* E-real : startabgoa@radifficial.com

Lab accredited by MoEF & CC Malid up to 93.11.2023 + Centled by (80 9501.2016 & (80 45001 ) 2018

SENE LIFEREN SPACIE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/07/2022/367		Issue Date	21/07/20	22
Name of Client	M/s. Megawide Construction C/o GMR Goa International	n DMCC I Airport L	imited		
Address of Client	Mopa, Goa				
27V 265W	The second second	Houses	nmental Condition of Lab	Temp 9 G	Humidity %
Order / Reference	As per dated 16/07/2022	FIIVIO	nmental Condition of Lau	28	66
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP	-10
Sampling point	Landside Outfall 2 (Tulask	arwadi)			
Sample details	Storm Water Outfall 2		Date of collection	16/07/20	22
Sample Collected by	SEEPL Representative		Sample Received On	16/07/20	22
Analysis Started On	16/07/2022		Analysis Completed On	21/07/20	122
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.93	.55	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	12.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4	Total Suspended Solids (TSS)	63.00	mg/lit	APHA( 23 <sup>m</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O &G
6,	Total Dissolved Solids (TDS)	38.00	mg/lit	APHA( 23=Edition ) 2540-C

Note: Test results related only to the sample tested.

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Munit Asmita Sawant Analyzed by

Varsha Pole Reviewed By

Animaleep Sawant Authorized Signatory

				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/08/2022
62.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD Incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022



5-306/307; Plot No. 61, Punk Estato, Relic Margor, Vereni, Afri, Old Been Read, Gardez, Porvorin, Panoji-Sos-407 for Ora Sole, Jodin 10 (1003) 2411022 / 2413321# E-mail: shallabepost rediffered com SHYELLIABOR

Eab accredited by MeEF & CC Villat up to 01.11.2020 a Codden by ISO 9301.2016 & ISO 45001 12010

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/368		Issue Date	21/07/20	22	
Name of Client	Ws. Megawide Construction C/o GMR Goa International	n DMCC : Airport I	Limited			
Address of Client	Mopa, Goa					
V. II. W. T. W. W. T. W. W. T. W. W. T. W. W. T. W.		Environmental Condition of Lab		Temp <sup>5</sup> C	Humidity %	
Order / Reference	As per dated 16/07/2022			28	66	
Sampling Plan	SEEPL/LD/FMT- 54	Sampli	ng Procedure No.	SEEPL/OSP	-10	
Sampling point	Landside Outfall 1 (Mainga	ile)				
Sample details	Storm Water Outfall 1		Date of collection	16/07/20	722	
Sample Collected by	SEEPL Representative		Sample Received On	16/07/20	22	
Analysis Started On	16/07/2022		Analysis Completed On	21/07/20	322	
Sample Container	Glass Bottle + PVC Cari		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	6.71	2	APHA( 23/4Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23*Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2,00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	59.00	mg/lit	APHA( 23 Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	41.00	mg/fit	APHA( 23rdEdition ) 2540-C
		1		

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

Varsha Pole Reviewed By Anaddeep Sawant Authorized Signatory

HEAD OFF, & LAB : Pick No. A-35, Road No. 15, Risatt Napar Road, M I/D C. Woglin Vincolton Arms, Thomas - 4003 (674, Mathematical Stocks, India)

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Comment by Manager of E-systematics. Forms & Chimater Change, Gost Offices, N. O. 657 (E)

BRANCH OFF. 11 310, Dempo Towers, EDC Patto, Panag-403 001. Gca State, India 17 : (0832) 2437045 / 2427164

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COO Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



B-SOCKER, Plot No. 81, Pater Cetars, Rolls Majors, Mercell, Afril, Old Bettin Rolls, Burduz, Poryones, Parent Gost-803 (5), Clor (Barte Talkin, 07) (1959) 2411(92) (MESSA) # Florad (Intelligent(Gredition)) com

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Lab accredited by MaEF & CC Valle up to ES. 11 2023 # Cledified by ESO 9001-2015 & ISO 45001 - 2918

	ANALYSIS REPO	RT FOR WATER SAME	-LE			
Report No.	SEE/07/2022/225	Issue Date			13/07/7	2022
Name of Client	M/s. Megawide Constructio C/o GMR Goa International					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 07/07/2022	Environmental Condi	figured Tah	Temp		Humidity %
Cide / Releience	As per delied 07/07/2022	Environnement Contr	BOIT OF LAW	27.8	3	65
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Pr	ocedure No.	3	SEEPL	JQSP-10
Sampling point	Borewell No. 2					
Sample details	Ground Water	Date of collect	ction	1	07/07/	2022
Sample Collected by	SEEPL Representative	Sample Rece	elved On	1	07/07/	2022
Analysis Started On	07/07/2022	Analysis Cor	npleted On		13/07/	2022
Sample Container	Glass bottle + PVC Can	Sample Qua	ntity	17	1000 r	nl + 4000ml

Pale arms	and the second	Totale	100
Chem	EG/HI	1 2125 111	163

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	Hq	6.99	10.	6.5 - 8.5	IS 3025 (Part 11)
2,	Turbidity	0.89	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	- 6	Not Specified	APHA( 23rdEdition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23#Edition ) 2120 B
5.	Odour	Agreeable	é	Not Specified	APHA( 23 Edition ) 2150 B
6.	Total Alkalinity	36.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	78.00	rng/lit	500.00	IS 3025 (Part 16)
8.	Chlorides as Cl	15.01	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>4</sub> :	5.69	mg/lit	200.00	IS 3025 (Part 24)
10.	Suffices	<2.00	mg/lit	Not Specified	APHA( 23#Edition ) 4500 SFF
11.	Total Hardness as CaCO <sub>3</sub>	50.00	mg/lit	200,00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS-3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0.50	Gleuse 6 of 15 3025 (Part 39)

1. Anisha Parab (A)

2. Shreya Harmalkar Analyzed by

Varsha Pole Reviewed By

Arandeep Sawant **Authorized Signatory** 

HEAD OFF 4 LAB : Positive A-95, Front No. 16, Nicon Magai Root, M.D.C. Wagle industrial Area, Thomas 100 roll: Managazanina State, India.

②: (81-22) 2963-3321 / 2963-3322 / 2963-3323 / 2963-332 / 2963-3323 / 2963-3323 / 2963-3323 / 2963-332 / 2963-

Guardian By Ministry of Environment, Potest & Climate Change, Glovi Otincia, S. O. 467 [1]

BRANCH OFF. : 310, Dempo Towers, EDC Patio, Pareji-403,001, Goa Blate, India (7: (DESP) 2437048 77497184

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Report No.	SEE/07/2022/225	Issue Date	13/07/2022
Order / Reference	As per dated 07/07/2022	Sample Received On	07/07/2022
Analysis Started On	07/07/2022	Analysis Completed On	13/07/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	rng/lit	0.20	IS 3025 (Part 26)
15.	Nitrate as NO <sub>3</sub>	2.36	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23#Edition ) 4500 F D
17.	Phanolic compound	<0.02	mg/lit	Not Specified	APHA( 23ºEdition ) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA(23 <sup>rd</sup> Edition) 4500 CN-D
19.	Anionic Datergents	<0.10	mg/lit	Not Specified	APHA(23ºEdition) 5540 - C
letal	Analysis				
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
_					

Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
Calcium as Ca	11.22	mg/lit	Not Specified	APHA( 23ºEdition ) 3500Ca B
Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
Iron as Fe	0.15	mg/lit	1.00	IS 3025 (Part 2)
Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
Magnesium as Mg	5.33	mg/lit	Not Specified	APHA( 23 Edition ) 3500Mg B
Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 3120 B
Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
Zinc as Zn	<0.01	mg/lit	5.00	IS 3025 (Part 2)
Sodium as Na	15.00	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
Potassium as K	5,50	mg/lit	Not Specified	APHA( 23"Edition ) 3120 B
Copper as Cu	<0.01	mg∕lit	0.05	1S 3025 (Part 2)
	Arsenic as As  Boron as B  Calcium as Ca  Cadmium as Cd  Iron as Fe  Lead as Pb  Magnesium as Mg  Chromium as Cr  Mercury as Hg  Zinc as Zn  Sodium as Na  Potassium as K	Arsenic as As <0.01  Boron as B <0.01  Calcium as Ca 11.22  Cadmium as Cd <0.001  Iron as Fe 0.15  Lead as Pb <0.01  Magnesium as Mg 5.33  Chromium as Cr <0.001  Mercury as Hg <0.001  Zinc as Zn <0.01  Sodium as Na 15.00  Potassium as K 5.50	Arsenic as As <0.01 mg/lit  Boron as B <0.01 mg/lit  Calcium as Ce 11.22 mg/lit  Cadmium as Cd <0.001 mg/lit  Iron as Fe 0.15 mg/lit  Lead as Pb <0.01 mg/lit  Magnesium as Mg 5.33 mg/lit  Chromium as Cr <0.01 mg/lit  Mercury as Hg <0.001 mg/lit  Zinc as Zn <0.01 mg/lit  Sodium as Na 15.00 mg/lit  Potessium as K 5.50 mg/lit	Arsenic as As         <0.01

Anisha Parab Apullus
 Shreya Harmalkar Sullus
 Analyzed by

Varsha Pole Reviewed By

Anangesp Sawant Authorized Signatory

Page 331 of 567

Report No	SEE/07/2022/225	Issue Date	13/07/2022
Order / Reference	As per dated 07/07/2022	Sample Received On	07/07/2022
Analysis Started On	07/07/2022	Analysis Completed On	13/07/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23MEdition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab
 Shreya Harmalkar
 Analyzed by

Varsha Pole Reviewed By

Anandeen Sawant Authorized Signatory

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Sr. <b>No</b> .	Equipment Name	Equipment   Id	Certificate No.	T2022/04/020 18/04/2022 T2021/11/006 11/11/2021 - Inhouse 0	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotomoler	Q/0168	-	Inhouse Calibration	
04.	ICP- DES	Q/162		Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological Incubator (44.5 °C)	0/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Cy001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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 Gon Distr., Innie. 10 (1002) 241 (1007) 241 (1007) 8 F-med. https://doi.org/10.1007/10.0007

Lab according by NoEF & CC Valid up to 63 11 2023 & Certified by ISO 9001 2015 & ISO 45001 : 2018

SANE ILYTHA SAVEURE

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/226	SEE/07/2022/226 Issu			13/07/2022	
Name of Client	M/s, Megawide Construction DMCC C/o GMR Goe International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		Temp ® C		Humidity %
Cidal / Neielelico	7/3 per dated 07/0/1/2022			27.8	3	65
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	WTP-Treated					
Sample details	Treated Water sample		Date of collection	07/07/2022		2022
Sample Collected by	SEEPL Representative	Sample Received On		07/07/2022		2022
Analysis Started On	07/07/2022		Analysis Completed On		13/07/2022	
Sample Container	Glass bottle		Sample Quantity		5000 ml	

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Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.30	3	6.5 - 8,5	IS 3025 (Part 11)
2.	Turbidity	0.42	NTU	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable		Not Specified	APHA( 234Edition ) 2160 B
4	Color	<1.00	Hazen unit	Not Specified	APHA( 23**Edition ) 2120 B
5.	Odour	Agreeable		Not Specified	APHA( 23th Edition ) 2150 B
6	Total Alkalinity	28.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Sollds	66.00	rng/lit	500.00	IS 3025 (Part 16)
8,	Chlorides as CI	13.51	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>1</sub>	<5,00	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23#Edition ) 4500 S²F
11.	Total Hardness as CaCO <sub>3</sub>	32.00	mg/lit	200.00	IS 3025 (Part 21)
12	Ammonia	<0.50	mg/lit	0.50	(SE)1095 (Part 34)
13.	Mineral oil	< 0.1	mg/lit	0.50	Clause & (S 3025 (Part 39) : 1991

1. Anisha Parab (7)

2. Shreya Harmalkari Analyzed by

Varsha Pole

Reviewed By

Agentieep Sawant Authorized Signatory

Report No	SEE/07/2022/226	Issue Date	13/07/2022
Order / Reference	As per dated 07/07/2022	Sample Received On	07/07/2022
Analysis Started On	07/07/2022	Analysis Completed Cri	13/07/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		1.

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 28)
15.	Nitrate as NO.	1.71	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mgflit	Not Specified	APHA( 23/Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23 Edition ) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23 <sup>m</sup> Edition ) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APRA(23MEdition) 5540 - C
etal	Analysis				1
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 [Part 2]
21,	Arsenic as As	<0.01	mg/fit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	rog/lit	0.50	(S 3025 (Part 2)
23.	Calcium as Ca	7:21	mg/fit	Not Specified	APHA(23ºEdition) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.03	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	3,39	mg/lit	Not Specified	APHA( 23mEdition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23 <sup>m</sup> Edition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	<0.01	mg/lit	5.00	IS 3025 (Part 2)
31.	Sodium as Na	4.20	mg/lit	Not Specified	APHA( 23*Edition ) 3120 B
32.	Potassium as K	2.00	mg/lit	Not Specified	APHA( 23//Edition ) 3120 B
33.	Copper as Cu	< 0.01	mg/lit	0.05	IS 3025 (Part 2)

Anisha Parab
 Anisha Parab
 Anisha Parab
 Analyzed by

Varsha Pole Reviewed By



Approved Sawaril Authorized Signatory

Report No.	SEE/07/2022/226	Issue Date	13/07/2022
Order / Reference	As per dated 07/07/2022	Sample Received On	07/07/2022
Analysis Started On	07/07/2022	Analysis Completed On	13/07/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Gos International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23**Edition ) 9221-B
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100ml	Not Specified	APHA(23 <sup>rg</sup> Edition) 9221-G

Note: Test results related only to the sample tested.

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 Shreya Harmalkak
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Varsha Pole Reviewed By

Anandeep Sawant **Authorized Signatory** 

	<u> </u>			Calibration Details	
Br. No.	Equipment Name	Equipment ! Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Overi	O/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotometer	Q/0166	<u>-</u>	Inhouse Calibration	
04.	ICP- OES	Q/162	*	Inhouse Calibration	
05.	Microbiological Incubator (37 °C)	0/003	T2021/08/070	26/08/2021	26/0B/2022
06.	Microbiological Incubator (44.5 °C)	C2/004	T2021/0B/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab according by MoEF & CC Volid up to 03.11.2023 # Certified by ISO 9001.2015 & ISO 45001 : 2018.

	ANALYSIS REPOR	RT FOR WATER SAMPLE					
Report No.	SEE/07/2022/227	Issue Date		11/07/2022			
Name of Client	M/s. Megawide Construction DMCS C/o GMR Gos International Airport Limited						
Address of Client	Mopa, Goa						
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		p ° C 7.8	Humidity % 85		
Sampling point	Labor Colony						
Sample details	Drinking Water	Date of collection		07/07/2022			
Sample Collected by	SEEPL Representative	Sample Received On		07/07/2022			
Analysis Started On	07/07/2022	Analysis Completed On 11		11/07/	2022		
Sample Container	Glass bottle	Sample Quantity		1000 ml			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
4.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23rdEdition ) 9221-G

Note: Test results related only to the sample tested.

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		[		Calibratio	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	0/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab acquisition by MoFF & CIC Valid up to 801 11, 2023 & Centified by ISIS 9801 2015 & ISIS 45001 2018

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	ANALYSIS REPOR	RT FOR WA	TER SAMPLE					
Report No.	SEE/07/2022/228	ls	sue Date		11/07/2022			
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	Mopa, Gca							
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab			р°С 7.8	Humidity % 65		
Sampling point	LS.C							
Sample details	Drinking Water	D	Date of collection		07/07/2022			
Sample Collected by	SEEPL Representative	S	Sample Received On		07/07/2022			
Analysis Started On	07/07/2022	A	nalysis Completed On	completed On 11		2022		
Sample Container	Glass bottle	S	ample Quantity		1000 ml			

Microbiological Parameters

St. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
ŧ.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>st</sup> Edition ) 9221-B
2	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23ºEdition ) 9221-G

Note: Test results related only to the sample tested.

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Arranteep Sawant Authorized Signatory

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		!		Calibratio	n Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 ℃)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Cy010	M2022/04/031	18/04/2022	18/04/2023



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Lab according by MEEF & CC Valid up to 00 ft 2023 # Cardined by ISO 9001-2016 & ISO 45001 ; 2018

	ANALYSIS REPOR	RT FOR WATER SAMPLE						
Report No.	SEE/07/2022/229	Issue Date	11/07	/2022				
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	Mopa, Gos							
A	An man distant 07/07/2022	Environmental Condition of Lab	Temp ° C	Humidity %				
Order / Reference	As per dated 07/07/2022	Environmental Condition of TEED	27.8	65				
Sampling point	VNC Colony							
Sample details	Drinking Water	Date of collection	67/07	/2022				
Sample Collected by	SEEPL Representative	Sample Received On	07/07	7/2022				
Analysis Started On	07/07/2022	Analysis Completed On	11/07	7/2022				
Sample Container	Glass bottle	Sample Quantity	1000	ml				

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNindex/100ml	Not Specified	APHA( 23 <sup>se</sup> Edition ) 9221-B
2	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-G

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By Aganteep Sawant Authorized Signatory

	//.			Calibration	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Callbration Due Date
01.	Microbiological Incubator (37 °C)	Ov003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	QV001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab accredited by MidEF & CC Valid Lors: 03.11.2923 & Certified by (SO 9001-2015 & ISO 45001 - 2018

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	ANALYSIS REPOR	RT FOR W	ATER SAMPLE				
Report No.	SEE/07/2022/231	1	Issue Date		11/07/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited						
Address of Client	Mopa, Goa						
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		Temp 27.8		Humidity %	
Sampling point	P.T.B						
Sample details	Drinking Water		Date of collection	07/07/2022		2022	
Sample Collected by	SEEPL Representative		Sample Received On		07/07/2022		
Analysis Started On	07/07/2022		Analysis Completed On		11/07/	2022	
Sample Container	Glass bottle		Sample Quantity		1000 ml		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23ºEdition ) 9221-8
2.	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23/4Edition ) 9221-G

Note: Test results related only to the sample tested.

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			220000000000000000000000000000000000000	Calibratio	on Details
Sr. No.	Equipment Name	Equipment 1	Cartificate No.	Calibration Date	Next Calibration Duo Date
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 °C )	Q/004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab according by MoEF 5 CC Valid up to 03.11 2023 # Continue by ISO 9001/2015 & ISO 45001 ; 2018

	ANALYSIS REPOR	RT FOR WATER SAMPLE				
Report No.	SEE/07/2022/230	Issue Date		11/07/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		p ° C 7.8	Humidity %	
Sampling point	KMV					
Sample details	Drinking Water	Date of collection		07/07/2022		
Sample Collected by	SEEPL Representative	Sample Received On		07/07/2022		
Analysis Started On	07/07/2022	Analysis Completed On		11/07	2022	
Sample Container	Glass bottle	Sample Quantity		1000 ml		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23rdEdition) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by

Varsha Pole Reviewed By

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Analideep Sawant Authorized Signatory

				Calibration Details	
Sr. No.	'' l Foldinment Name l	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	0/003	T2021/08/070	26/08/2021	26/08/2022
02.	Microbiological Incubator (44.5 ℃)	Q <b>/0</b> 004	T2021/08/071	26/08/2021	26/08/2022
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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Lab according by MoEF & CD visiting to 03.11,2073 \* Cardina by ISO 8001-2015 & ISO 45001 - 2018

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/220		Issue Date	13/07/2022		
Name of Client	M/s, Megawide Construction DMCC C/o GMR Gos International Airport Limited					
Address of Client	Mopa, Goa					
		8-10		Temp °C	Humidity %	
Order / Reference As per dated 07/	As per dated 07/07/2022	07/07/2022 Environmental Condition of Lab		27.8	65	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	STP					
Sample details	Inlet Water		Date of collection	07/07/2022		
Sample Collected by	SEEPL Representative		Sample Received On	07/07/2022		
Analysis Started On	07/07/2022		Analysis Completed On	13/07/202	13/07/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1,	pH	7.71		APHA(23 <sup>rd</sup> Edition) 4500 H+-B
2	Chemical Oxygen Demand (COD)	492.00	mg/lit	APHA( 23 dEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	125.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	173.00	mg/lit	APHA( 23 <sup>re</sup> Edition ) 2540-D
5.	Oil & Grease (O.& G)	10.20	mg/lit	APHA( 23 <sup>ri</sup> Edition ) 5520-O &G

Note: Test results related only to the sample tested.

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Power Asmita Sawant Analyzed By

Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

HIEAD OFF, & LAB - Pro No. A.50, Pland No. 16, Kears Roger Road, M. D.C. Waghs Incontral Area, Trains - 400 604, Naturalities State, India.

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Gazotted By Ministry of Environments, Forest & Climina Change, Gost Of India, S. O. 887 (6)

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				Calibrat	ion Detalls
Sr. No.	1	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	0/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lab according by MbEF & CC Valid up to 63 11 2023 & Certified by 450 900 12015 & 150 45001 . 2018

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/221 Issue Date			13/07/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Морв, Goa			411		
		-	CONTROL MATERIAL TEAC		C Humidity %	
Order / Reference	As per dated 07/07/2022	Environmental Condition of Lab		27.8	85	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	STP					
Sample details	Outlet Water		Date of collection	07/07/2022		
Sample Collected by	SEEPL Representative		Sample Received On	07/07	07/07/2022	
Analysis Started On	07/07/2022		Analysis Completed On	13/07	//2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	pH	6.30	(4)	5.5-9.0	APHA( 23º/Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	120.00	mg/lit	250.00	APHA( 23=Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	19.63	mg/lit	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	39.00	mg/lit	100.00	APHA( 23"Edition ) 2540-D
5	Oil & Grease (O & G)	4.20	mg/lit	10,00	APHA( 23"Edition ) 5520-O &G
75.1	Controller Service Ser	11,000,000	- COMP-17.1	118.740-1	TOTAL TRANSPORT STRUMENT CANADA

Note: Test results related only to the sample tested.

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Mount Asmita Sawant Analyzed By

Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

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				Calibration Details		
Sr. Na.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	0,062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	O/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab accredited by MhEF & CC Visid up to 00.11 2023 & Certified by ISO 9001 9515 & ISO 45001 - 2018

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/07/2022/222		Issue Date	13/07/20	22	
Name of Client	M/s. Megawide Construction C/o GMR Gos Internations		mited			
Address of Client	Mopa, Goa					
			and the state of the	Temp ° €	Humidity %	
Order / Reference As per dat	As per dated 07/07/2022	Enviro	nmental Condition of Lab	27.8	65	
Sampling Plan	SEEPL/LD/FMT-54	Sampli	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP (KMV)					
Sample details	Inlet Water		Date of collection	07/07/2022		
Sample Collected by	SEEPL Representative		Sample Received On	07/07/2022		
Analysis Started On	07/07/2022		Analysis Completed On	13/07/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	5.95	÷	APHA( 23 <sup>re</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	288.00	mg/lit	APHA( 23**Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	74.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	75.00	mg/lit	APHA( 23ºEdition ) 2540-D
5.	Oil & Grease (O & G)	6.80	mg/lit	APHA( 23#Edition ) 5520-O &G

Note: Test results related only to the sample tested.

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Shweta Sawani Analyzed By

Varsha Pole Reviewed By Apangeep Sawant Authorized Signatory

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				Calibrat	ion Details
Sr. <b>N</b> o.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Ov009	T2021/11/006	11/11/2021	11/11/2022



R. 2003 2017, Part Nv. 811, Pater Eafers, Ren Marjon, Vennor, Albr. Old Barre Rosel, Barrier, Porsonin, Planni Goo-ACT 101. Goor State. India. 10. \_ (0882) 2411322 J. 2411323 \* E-molt Introduction (greekflored core)

Got Sure: India: 45. (0882) 2411322 (2411323 \* E-mail: standagon/greet/freek.com

CREE 1:
Left isopristified by MoEF & CC Valid up to 03.11 2023 ★ Cartified by 850 9001:2015 6 ESO 45001 . 2018

STAK WITHEN

	ANALYSIS REPO	ORT FOR	WATER SAMPLE					
Report No.	SEE/07/2022/223		Issue Date		13/07/2022			
Name of Client	M/s. Megawide Constructio C/o GMR Goa Internationa		imited					
Address of Client	Mopa, Goa							
Order / Reference	A debed 07/07/0000	Territori	permitted their versions and I de-		emp ° C	Humidity %		
	As per dated 07/07/2022	Environmental Condition of Lab		27.8		65		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.			SEEPL/QSP-10			
Sampling point	STP (KMV)							
Sample details	Outlet Water		Date of collection		07/07/2022			
Sample Collected by	SEEPL Representative	Sample Received On		07/07/2022				
Analysis Started On	07/07/2022	Analysis Completed On		13/07/2022				
Sample Container	Glass Bottle + PVC Can	Sample Quantity		1000 ml + 1000ml				

Sr.	Parameters	Results	Unit	*Limits	Method		
1.	Hq	8.79		5.5-9.0	APHA( 23rtEdition ) 4500 H+-B		
2.	Chemical Oxygen Demand (COD)	36.00	mg/lit	50.00	APHA( 23 <sup>rd</sup> Edition ) 5220-B		
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	8.10	mg/lit	10.00	IS 3025 (Part 44)		
4,	Total Suspended Solids (TSS)	11.00	mg/lit	20.00	APHA( 23 <sup>rt</sup> Edition ) 2540-D		
5.	Oil & Grease (O & G)	3.20	mg/lit	10.00	APHA( 23 <sup>rt</sup> Edition ) 5520-O &G		
6.	Ammonia	2.24	mg/lit	5.00	APHA( 23rdEdition ) 4500 NH38 C		

Microbiological Parameters

Total Nitrogen (as N)

7

Chemical Parameters

8. Feecal coliforms at 44.5°C 36 MPN 100 APHA (23°Edition ) 9221-E index/100ml

mg/lit

10.00

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis leaves side of analysis report.

1. Shweta Sawant

Anisha Parab

Analyzed By

Varsha Pole Reviewed By Apentieep Sawant Authorized Signatory

APHA( 23rdEdition ) 4500 N-B

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Sr. No.		Equipment Id		Calibration Details			
	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date		
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022		
02.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022		
03.	COD Digester	Q/D19	E2022/04/024	18/04/2022	18/04/2023		
04.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023		
05.	Microbiological Incubator (37 °C)	Q/ <b>0</b> 03	T2021/08/070	26/08/2021	26/08/2022		
06.	Microbiological Incubator (44.5 °C)	0,004	T2021/08/071	26/08/2021	26/08/2022		
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/06/2022		
.80	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023		



II. 189307, Pfot No. 11, Panis Saule, Real Magna, Verena, Alto, Ckd Bellin Room, Barder, Porvociro, Panaji-Co. 101, 101. Gas Sten, India. (6) (0032) 2411322 (2411323 F-mn) Hydrobyc signatifilms) com

Estimated for MoET & CC Visits to be 03 in Africa Portfolior by 150 9001 2015 & 150 i SMT 2018

JAVO LERER SPACIFIC.

		AMBI	ENT A	IR QUALIT	Y MONITORING	REPO	RT			
Rep	ort Date	30/08/20	22							
Nan	ie of Client	M/s. Mega C/o GMR (	wide Co loa inte	onstruction cnational Ai	DMCC rport Limited					
Add	ress of Client	Mopa, Goa								
Sam	pling Plan	SEEPL/LD	/FMT-	54 Sampling Procedure No. SEEPL/QSP-10						
Sam	ple Collected I	By SEEPL Rep	present	ntative						
Mon	th of Sampling	g August 20	22							
				AMBIENT.	AIR LOCATION					
Loca	tron of ambie	nt air station	Мора	Boundary (	Goa State) (G-A1)					
Average Ambient Temperature (+C)		30.3	Average II	lumidity (%)	75.	Latitude	N 15945'5 L1"			
Average Wind Speed [lun/br] 1.4			1.4	Average V	Vind direction (Deg)	224	Longitude	E 73º56'32.4"		
Inst	ruments Used		FPS(/	VPM-550), R	DS[APM-460] &GPS	(APM -	411)			
Sr. Date of No Sampling		Report No.		PARAMETERS						
		report wa.		PM10	PM2.5	SO2	NOx	CO	SPM	
1	01/08/2022	SEE/AR/08/2022/	0024	21,85	12.89	<3.00	<0.00	0.02	35.8	
2	04/08/2022	SEE/AR/08/2022/	0083	25.45	7.86	<3.00	<6,00	0.05	33.8	
3	08/08/2022	SEE/AR/08/2022/	0147	22.37	5.90	<3:00	<6.00	0.03	29,8	
4	11/08/2022	SEE/AR/08/2022/0181		28.62	11.06	3.00	<6.00	0.06	39,0	
5	15/08/2022	SEE/AR/08/2022/	0238	22.84	5,24	<3.00	46.00	0.02	28.43	
6	18/08/2022	SEE/AR/08/2022/	0315	18.45	6.40	<3.00	<6.00	0.03	26.8	
7	22/08/2022	SEE/AR/08/2022/	/AR/03/2022/0351		8.15	₹3,00	<6.00	0.03	33.6	
8	25/08/2022	SEE/AR/08/2022/	0455	26.35	7.78	-3.00	<6.00	0.05	34.5	
9	29/08/2022	SEE/AR/08/2022/	0504	27,42	9.23	<3.00	<6.00	0.02	37.1	
NAAQS Limits*				100	60	80	80	4	-	
Units			ng/m <sup>1</sup>	ug/m³	ig/m <sup>1</sup>	rig/m/	mg/m³	pg/m		

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Method

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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IS 5182( Part

23)

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Lab SOP NO.:

SEE/LD/SOP-

AA-D4

IS 5182 (Part

02)

E 5182

(Part 06)

: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade An wad

2)Pandurang Gawas

Analyzed by

Varsha Pole

Reviewed by

Agantleep Sawant Authorized Signatory

IS 5182(

Part 10)

IS 51920

Part IV)

HEAD OFF & EAB . Plat No. A.65, Rocal No. 16 (Februar Regor Food), M.LD.C. Wager Industrial Area, Physics - 400 604, feen wastern Distry, trade. © (91-29) 3563-2321 / 2563-3022 / Stati 3193 / Stati 3164 € Final | publicable according com / publikadi@gradit.com

Commercial My Memory of Commercial Process & Climate Edwards, Georges, Georges, Georges, Co. 2007 (Ed., N. C. 2007) (Ed.

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## Respirable Dust Sampler's with Gaseous Sampling

	Equipment Name	Certificate No.	Calibrated on	Callbration due date	
	The state of the s	Law con fee that the tanen	74/00/2023	23/09/2022	
D1	RDS- APM 460 (5R NO.2871-DTG-2020)	LES-CCL/FF/MF/SC/1308	24/09/2021	23/02/2022	

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 991-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3772	24/09/2021	23/09/2022	

Sr No.	Instrument Type	Calibrated on	Calibration due date
01.	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



8-305507, Pict No. 61, Polet Escale, Ress Mayor, Venero, Alto, Clid Bettin Moud, Barasar, Porvesso, Panag-Gen-403 103. Gua Sans, water 12. (0832) 241 1822 / 241 1822 / 241 1823 • Legal (1824 bigging 283 firest), spin

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		AMBI	ENT	IR QUA	LITY MONITORI	NG	REPO	RT		
Rep	ort Date	30/08/2	022							
Name of Client M/s. Megawid C/o GMR Goa					tion DMCC al Airport Limited					
Add	ress of Client	Mopa G	pa							
Sam	pling Plan	SEEPL/I	D/FM	r-54	Sampling Procedu	re No	Ú-	SEEPL/QS	2-10	
Sam	ple Collected	By SEEPL R	eprese	ntative						
Mor	th of Sampling	g August 2	022							
		***************************************		AMBIE	NT AIR LOCATION	P				
Loca	ition of ambie	nt air station	Shen	iecheadva	in Boundary(Goa St	ate)	G-A2)			
Ave	rage Amblent	Temperature (°C)	30.8	Averag	e Hamidity (%)		73	Latitude	N 15942'0	6.1"
Average Wind Speed (km/hr) 1.8			1.8	Averag	e Wind direction (I	leg)	243	Longitude	E 73949'2	1.5"
Inst	ruments Used		FPS(	APM-550)	. RDS(APM-460) &	GPS (	APM -	411)		
Sr.	Date of	in a company		PARAMETERS						
No	Sampling	Report No.		PMra	PM <sub>2.5</sub>	S	02	NOx	co	SPM
1	01/08/2022	SEE/AR/08/2022/	0025	20.42	6.15	×3	.00	₹5.00	0.02	28.13
Z	04/08/2022	SEE/AR/08/2022/	0084	17.35	5.16	<3	.00	<6.00	0.03	22.8
3	08/08/2022	SEE/AR/08/2022/	0148	16.59	8.57	<3	.00	<6.00	0.02	25.4
4	11/08/2022	SEE/AR/08/2022/	0182	21.54	7.73	<3	.00	<6.00	0.03	30.3
9	15/08/2022	SEE/AR/08/2022/	0239	19.28	7.15	<3	.00	<6.00	0.03	26.4
5	18/06/2022	SEE/AR/08/2022/	0316	15.28	5.04	<3	.00	<5,00	0.02	22.7
7	22/08/2022	SEE/AR/08/2022/	0352	21.94	9.02	43	.00	<6.00	0.03	31.6
B	25/08/2022	SEE/AR/08/2022/	0456	11.09	5.41	<3	.00	<5.00	0.02	17.0
ų.	29/08/2022	SEE/AR/08/2022/	0505	22.32	5.28	<3	.00	< 5.00	0.03	28.6
	NAA	QS Limits*		100	60		10	80	4	+
		Units		µg/ m³	gg/m³	144	/m <sup>x</sup>	µg/m³	mg/m³	jig/m
		Method		S 5182(	Lab SOP NO.:		182	IS 5182 (Part	IS 5182(	IS 518

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note : Test results related only to the sample tested.

. Test results relate only to the condition prevailing at the time of sampling

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Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Part 23) SEEA.D/SOP.AA-04 (Part 02)

Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade 2)Pandurang Gawa

2)Pandurang Gawas Analyzed by Varsha Pola Reviewed by



06)

Anonteep Sawent Authorized Signatory

Part 10)

Part (V)

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
		The last two face fore to non-	na lon facina	23/09/2022	
01	RDS- APM 460 (SR NO.2881-DTH-2020)	LES-CCL/FF/MF/SC/1307	24/09/2021	23/03/2028	

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 992-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3768	24/09/2021	23/09/2022	

Sr No.	Instrument Type	Calibrated on	Calibration due date	
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



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	AIVI	BIEN I AIR QU	ALITY MONITORING REP	OKI			
Report Date	30/08	30/08/2022					
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa,	Goa					
Saropling Plan	SEEPL	/LD/FMT- 54	Sampling Procedure No.	SEEPL/QSP-10			
Sample Collected By	SEEPL	Representative					
Month of Sampling	Augus	12022					
7.00	-	AMB	ENT AIR LOCATION				
Lambles of ambigut ale	-testions	ManmelCan	Shotal fft ATI				

Location of ambient air station	Nagzar(Goa State) (G-A3)					
Average Ambient Temperature (°C)	30.0	Average Humldity (%)	72	Latitude	N 15º45'37.3*	
Average Wind Speed (km/hr)	1.5	Average Wind direction (Deg)	265	Longitude	E 73953'14.22"	
Instruments Used	FPS(A	PM-550), RDS(APM-460) &GFS (	APM -	411]		

Sr	Date of Sampling	Report No.	PARAMETERS						
No			PMia	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM	
1	01/08/2022	SEE/AR/08/2022/0026	22.00	12.52	<3.00	<6.00	0.03	34.93	
2	04/08/2022	SEE/AH/08/2022/0085	17.75	8,11	<3.00	<6.00	0.05	26.44	
3	08/08/2022	SEE/AR/08/2022/0149	10.56	5.16	<3.00	<6.00	0.02	15.81	
4	11/08/2022	SEE/AR/08/2022/0183	19.48	6.82	<3.00	<6.00	0.03	26.38	
5	15/08/2022	SEE/AR/08/2022/0240	15.17	7.40	<3.00	<6.00	0.02	24.04	
б	18/08/2022	SEE/AR/08/2022/0317	14.43	6.11	<3.00	<6.00	0.03	22.16	
7	22/08/2022	SEE/AR/08/2022/0353	20.02	5.45	<3.00	<6.00	0.03	25,00	
В	25/08/2022	SEE/AR/08/2022/0457	19.75	5.78	<3.00	<6.00	0.02	25:87	
9	29/09/2022	SEE/AR/08/2022/0506	17.79	6.53	<3.00	<6.00	0.03	24.85	
	NAA	QS Limits*	100	60	80	80	4	4	
Units		µg/m³	µg/m	μg/m³	μg/m <sup>1</sup>	mg/m*	pg/m		
Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182( Part IV)		

#### \*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

TjAkash Pattade Rostel

2) Fandurang Gawas

Analyzed by

Varsha Pole

Reviewed by

Authorized Signatory

HEAD DET, & LACI. FRY No. A-95, Road No. 16, Histor Nayar Road, M.I.O.C. Wayle returns Aren. Trave. 400,004. Maharashina State, India

(f) (91-21) 2585-3831 / 2585-3522 (-2583-3323 / 2583-332) = E-mail | pro@landerurerurer.com / proceitarfu@gmn3.com

Carathia Ny Ministry of Environment, Flavol & Christia Charge, God Offinita, S. D. 167 (II).

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### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
200010000	RDS- APM 460 (SR NO. 1719-DTI-2012)	LES-CCL/FF/MF/SC/1715	13/07/2022	12/07/2023

### **UV Spectrophotometer**

Sr No. Equipment Name		Calibration		
01	uv	In House Calibration		

### Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3771	24/09/2021	23/09/2022

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



E-36/U/207, Plot No. 61, Police Fisher Rule Balgon, Western Alle, Old Better Good, Datries, Previous, Paralle London (D.) 101. God Said, Holle: 40 \_(0532) 2411522 / FF1323 \* E-mail: (Enthibyou(Druotthau)Loon

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NAME OF THE SIM ON

		AMB	ENT	IR QUA	LITY MONITORIN	NG I	REPO	RT		
Rep	ort Date	30/08/3	2022							
Nan	ne of Client	M/s Me C/o GM	gawide l Goa fi	Construction	tion DMCC al Airport Limited					
Add	lress of Client	Mopa, G	0a							
Sam	ipling Plan	SEEPL/	D/FM	r-54	Sampling Procedur	e No		SEEPL/QS	P-10	
Satr	iple Collected	By SEEPL.	eprese	ntative	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -					
Mor	ith of Sampling	g August	2022							
				AMBIEN	T AIR LOCATION					
Lac	ation of ambie	nt air station	Purv	a Casarvai	rnem (Goa State) (G-	A4)				
Ave	rage Ambient	Temperature (°C)	29.8	Averag	e Humidity (%)		74	Latitude	N 15041'4	1.9"
Ave	rage Wind Spe	ed (km/hr)	1.8	Averag	e Wind direction (D	eg)	235	Longitude	E 73 50'1	6.69
Inst	ruments Used		FPS(	APM-550)	, RDS(APM-460) & G	PS (	APM -	411)		
Sr.	Date of	Danast Ma				PAR	AMET	ERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.6</sub>	5	O2	NOx	co	SPM
1	01/08/2022	SEE/AR/08/2022	0027	19.17	5.47	<	3.00	<6.00	0.03	25.37
2	04/08/2022	SEE/AR/08/2022	0086	20.08	9.76	<	3.00	<6.00	0.06	30.21
3	08/08/2022	SEE/AR/08/2022	0150	23.11	11.25	<	3.00	<6.00	0.03	34.81
4.	11/08/2022	SEE/AR/08/2022	/0189	15.69	7.44	4	3.00	<6.00	0.02	23.62
5	15/08/2022	SEE/AR/08/2022	/0241	17.92	6.03	3	3:00	<6.00	0.03	24,45
6	18/08/2022	SEE/AR/08/2022	/0318	11.56	5.16	4	3.00	<€.00	0.03	21.87
7	22/08/2022	SEE/AR/08/2022	/0354	16,88	5.49	K	3.00	<6.00	0.02	23.00
В	25/08/2022	SEE/AR/08/2022	/0458	11.77	6.03	e,	3.00	<6.00	0.02	18.59
9	29/08/2022	SEE/AR/08/2022	/0507	15.19	7.58	- 4	3.00	<6.00	0.03	23.42
	NAA	QS Limits*		100	60	1	80	80	4	-
		Units		ug/m³	μg/m³	ME	/m²	μg/m³	mg/m <sup>3</sup>	pg/m1
	A S	Method		S 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04		5182 art 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182( Part V)

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade

2) Pandurang Gawas Analyzed by

Varsha Fole Reviewed by

Anangeep Sawant Authorized Signatory

HEAD OFF, & LAB . For No. A 93, Road No. 19, Missa Nagar Road, M.L.D.G., Wages industrial Area, Three 400 and Mahamanino Salam, India \$\(\text{(0.1.22}\) 2560 (332.) (3560 3322.) 2563 (3323/2561 3324 ) E-mill programmation process (5)(0) million

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### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS- APM 460 (5R NO. 1456-DTD-2009)	LES-CCL/FF/MF/SC/1725	13/07/2022	12/07/2023

## UV Spectrophotometer

Sr No. Equipment Name		Calibration		
01	UV	In House Calibration		

## Fine Particulate Sampler (SR NO. 299-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/S084	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date	
OL	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022	



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SW Inch

		AMB	ENT	AIR QUAI	LITY MONITORIN	IG RE	PO	RT		
Rep	ort Date	30/08/2	022							
	ne of Client	M/s. Mer C/o GMF	M/s. Megawide Construction DMCC C/p GMR Goa International Airport Limited							
Add	ress of Client	Mopa, Gi	a							
Sam	ipling Plan	SEEPL/I	D/FMT	F- 54	Sampling Procedure	No.	11	SEEPL/QSF-1	0	
Sam	ple Collected	By SEEPLR	eprese	ntative						
Mor	th of Sampling	g August 2	022							
				AMBIEN	IT AIR LOCATION					
Loc	ation of ambie	nt air station	Khaji	ne Amere I	'orscodem (Goa Sta	te] (G-	A5)			=
Ave	rage Ambient	Temperature (°C)	30.1	Average	Humidity (%)	7	4	Latitude	N 15°40'3	
Ave	rage Wind Spe	ed (km/hr)	1.9	Average	Wind direction (De	eg) 2	65	Longitude	E 73046'2	1.2"
Inst	ruments Used		FPS(	APM-550).	RDS(APM-460) &G	PS (AP	M -	411)		
Sr.	Date of	Report No.				PARA	MET	ERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	SO	2	NOx	CO	SPM
1	01/08/2022	SEE/AR/08/2022/	0028	19.42	5,99	<3.0	00	<6.00	0.02	25.72
2	04/08/2022	SEE/AR/08/2022/	0087	14.84	6.74	<3.0	()()	<6.00	0.05	22.36
3	08/08/2022	SEE/AR/08/2022/	0151	20.63	8.32	<3.0	00	<6.00	0.03	29.51
4	11/08/2022	SEE/AR/08/2022/	0185	18.19	10.12	<3.0	00	<6.00	0.02	28.58
5	15/08/2022	SEE/AR/08/2022/	0242	2152	9.48	<3.0	00	<6.00	0.05	30.12
6	18/08/2022	SEE/AR/08/2022/	0319	14.87	5,45	<3,0	00	<6.00	0.03	20,65
7	22/08/2022	SEE/AR/08/2022/	0355	21.70	5:36	< 3.0	00	<6.00	0.02	27.08
8	25/08/2022	SEE/AR/08/2022/	0459	20.11	5.24	<3.0	00	<6.00	0.03	25.85
1)	29/08/2022	SEE/AR/08/2022/	0508	17.96	6.86	<3.0	70	<6.00	0.02	26.00
	NAA	QS Limits*		100	60	80	)	80	4	$\sim$
		Units		mg/m²	µg/m³	148/	m <sup>3</sup>	µg/m³	mg/m <sup>2</sup>	μg/m <sup>2</sup>
	1	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	(Part	1	IS 5182 (Fart 06)	IS 5182( Part 10)	S 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report.

1)Akash Patlade MAN 2)Pandurang Gawas Analyzed by

Varsha Pole Reviewed by Anarosep Sawant Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
		LES-CCL/FF/MF/SC/1717	13/07/2022	12/07/2023

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR No. 288-DTJ-2014)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/5087	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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		AMBI	ENT A	IR QUAL	ITY MONITORIN	IG REP	ORT		
Rep	ort Date	30/08/2	022						
Name of Client M/s. Megawid C/o GMR Goa				Construct	ion DMCC al Airport Limited				
Address of Client Mopa, Goa									
Sampling Plan SEEPL/LD/FM			D/FM	-54	Sampling Proced	lure No.	SEEPL/QS	-10	
San	ple Collected	By SEEPLR	eprese	ntative					
Mor	th of Sampling	g August 2	022						
				AMBIEN	T AIR LOCATION				
Lac	ation of ambie	nt air station	Rajvi	I Wada To	rxem (Goa State)(G-	A6)			
Ave	rage Amblent	Temperature (°C)	29.7	Average	Humidity (%)	72	Latitude	N 15048'4	10.0"
Ave	rage Wind Spe	ed (km/hr)	1.6	Average	Wind direction (De	235	Longitude	E 73°52°5	50.2"
Instruments Used FPS(			APM-550),	RDS(APM-460) &G	PS (APM	-411)			
Sr.	Date of					PARAMI	ETERS		
No	Sampling	Report No.		PM <sub>20</sub>	PMzb	SO <sub>2</sub>	NOx	CO	SPM
1	01/08/2022	SEE/AR/08/2022/	0029	17.22	6.40	<3.00	<6,00	0.03	24.60
2	04/08/2022	SEE/AR/08/2022	8800	16,72	10.56	<3.00	<6.00	0.02	27.75
3	08/08/2022	SEE/AR/08/2022/	0152	24.49	5.66	<3.00	<€.00	0.02	30.68
4	11/08/2022	SEE/AR/08/2022,	0186	17,58	10.81	<3.00	<6.00	0.03	28.56
.5	15/08/2022	SEE/AR/08/2022	0243	13.20	7.86	<3.00	<6.00	0.02	21.25
ñ	18/08/2022	SEE/AR/08/2022,	0320	20.18	7.07	<3.00	<6.00	0.03	27.98
7	22/08/2022	SEE/AR/OB/ZOZZ	0356	13.83	6.07	<3.00	<6.00	0.03	20.36
R	25/08/2022	SEE/AR/08/2022,	-	14.15	5.28	<3.00	*6.00	0.02	19,45
0	29/08/2022	SEE/AR/08/2022	0509	15.87	6.24	<3.00	< 6.00	0.02	25.76
	NAA	QS Limits*		100	60	80	80	4	D.Y.
		Units		μg/ m³	µg/m <sup>t</sup>	µg/m³	ug/m³	mg/m <sup>3</sup>	µg/m
	-	Method		IS 5182( Fart 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	(Part 02)	IS 5182 (Part (6)	1S 5182( Part 10)	IS 5162 Part IV

#### \*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade Money

2)Pandurang Gawas Analyzed by Varsha Pole Reviewed by Aparticeo Sawant Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

uioment Name	Certificate No.	Calibrated on	Calibration due date
Control of the Contro	LES-CCL/FF/MF/SC/1725	13/07/2022	12/07/2023
2	uipment Name OS- APM 460 BLISR NO.1897-DTJ-2014)	diprincin realist	dipment Name

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Callbration

## Fine Particulate Sampler (SR NO. 03-DTA-2017)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - AL 112	LES-CCL/FF/PM/SC/1671	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Lab accession by Moc. F. & CC Victim by Co. Y. 2023 • Centified by Dit. 9001-2015 4 85h 45008 - 2016

SALE LINE

		AMBI	ENT A	IR QUAL	ITY MONITORIN	IG REPO	RT			
Rep	ort Date	30/08/2	2022							
Man	ne of Client			Construct	ion DMCC il Airport Limited					
Address of Client Mopa, Goa										
Sampling Plan SEEPL/LD/FM			D/FM'	r- 54	Sampling Proceed	lure No.	SEEPL/QSI	2-10		
Sample Collected By SEEPL Represe			eprese	ntative						
Month of Sampling August 2022										
				AMBIEN	T AIR LOCATION					
Loca	ation of amble	nt air station	Satar	da(Mahara	ashtra State)(M-A1)					
Ave	rage Ambient	Temperature (°C)	29.7	Average	Humidity (%)	71	Latitude	N15º43'0		
Average Wind Speed (km/hr) 2.1		2.1	Average	Wind direction (De	g) 254	Longitude	E 73946'0	0.2		
Instruments Used FPS(			APM-550),	RDS(APM-460) &G	PS (APM	-411)				
Sr.	Date of	December No.		PARAMETERS						
No	DEPORT OF			PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM	
1	01/08/2022	SEE/AR/08/2022,	0030	13.87	8.36	<3.00	<6.00	0.02	22.63	
2	04/08/2022	SEE/AR/08/2022,	/0089	18.62	7.11	<3.00	<6.00	0.03	26.43	
3	08/08/2022	SEE/AR/08/2022,	0153	12.00	5.49	<3.00	<6.00	0.02	18.05	
4	11/08/2022	SEE/AR/08/2022	0187	16.46	8.48	<3.00	<6.00	0.03	25.03	
5	15/08/2022	SEE/AR/08/2022	/0244	14.36	5.74	<3.00	<6.00	0.02	20.05	
6	18/08/2022	SEE/AR/08/2022	/0321	15.48	6,69	<3.00	≠6.00	0.02	22.67	
7	22/08/2022	SEE/AR/08/2022	/0357	17.33	5.11	≥3.00	<6.00	0.03	22.65	
В	25/08/2022	SEE/AR/08/2022	/0461	11,18	5.36	<3.00	< 6.00	0.02	16.59	
9	29/08/2022	SEE/AR/08/2022	/0510	23.57	7.49	<3.00	<6.00	0.03	31.77	
	NAA	QS Limits*		100	60	80	80	4		
		Units		1187 m3	(g/m)	ng/m²	ug/mi	mg/m1	mg/m <sup>3</sup>	
		Method		(S 5182) Part 23)	Lab SOP NO.: SEEALD/SOP-AA-04	(Part 02)	1S 5182 (Part (66)	IS 5182( Part 10)	Part IV)	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade 'D 2)Pandurang Gawas

Analyzed by

Varsha Pole Reviewed by

Agandeep Sawant Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 (SR NO. 1901-DTJ-2014)	LES-CCL/FF/MF/SC/1718	13/07/2022	12/07/2023

### LIV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 104-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/5083	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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		AMBI	ENT A	IR QUAL	ITY MONITORING	REPO	RT		
Rep	ort Date	30/08/2	022						
Name of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited									
Add	ress of Client	Mopa, Go	let						
Sain	option Plan	SEEPL/L	PL/LD/FMT- 54 Sampling Procedure No.   SEEPL/QSP-10						
Sam	ple Collected I	By SEEPLR	ергене	entative					
Men	ith of Sampling	August 2	022						
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Ding	a(Mahara	shtra State)(M-A2)				
Ave	rage Ambient	Temperature ("C)	30.2	Average	Humidity (%)	72	Latitude	N 15º46'1	2.3*
Ave	Average Wind Speed (km/hr) 1.8 Average Wind direction (Deg) 245 Longitude E 73º49'2				0.5"				
Instruments Used FPS(APM-550), RDS(APM-460) &GPS (APM - 411)									
Sr.	Date of	water or		PARAMETERS					
No	Sampling	Report No.	port No. PM <sub>11</sub> PM <sub>25</sub> SO <sub>2</sub>		NOx	co	SPM		
1	01/08/2022	SEE/AR/08/2022/	0031	20,63	7.03	<3,00	<6.00	0.05	27,73
2	04/08/2022	SEE/AR/08/2022/	0090	23,01	9,27	<3.00	<6.00	0.03	32.59
3	08/08/2022	SEE/AR/08/2022)	0154	17.08	7.15	<3.00	<6.00	0.02	24.33
4	11/08/2022	SEE/AR/08/2022/	0188	24.62	10.27	<3,00	<6.00	0.02	34.96
5	15/08/2022	SEE/AR/08/2022/	0245	14.30	5.45	<3.00	<6.00	0.03	20.43
6	18/08/2022	SEE/AR/08/2022/	0322	10.78	6.20	<3,00	<6.00	0.02	17.64
7	22/08/2022	SEE/AR/08/2022/	0358	16.29	9.61	<3.00	<6.00	0.03	26:11
В	25/08/2022	SEE/AR/08/2022/	0462	20.67	8.73	<3.00	≺6.00	0.03	29.52
9	29/08/2022	SEE/AR/08/2022/	0511	21.78	6.12	<3.00	«6,00	0.02	25.78
	NAA	QS Limits*		100	60	80	80	4	100
		Units		ug/in <sup>2</sup>	Eg/m²	/ig/m²	µg/m³	mg/m³	μg/m
Method			IS 5182(	Lab SOP NO.	S 5182	IS 5182 (Pad	IS 51B2(	15 5182	

"NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Part 23)

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade 2)Pandurang Gawas Analyzed by

Varsha Pole Reviewed by

And deep Sawant Authorized Signatory

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SEE/LD/SOP-AA-04

(Part 02)

### Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	RDS-CEIS 121(SR NO.01-DTB-2017)		13/07/2022	12/07/2023

## UV Spectrophotometer

Sr No. Equipment Name		Calibration		
01	UV	In House Calibration		

## Fine Particulate Sampler (SR NO. 110-DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	EI/FF/3540	18/02/2022	17/02/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. C1 DT L14)	20/11/2021	19/11/2022



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		AMBI	ENT	IR QUAL	ITY MONITORIN	IG REPO	DRT		
Rep	ort Date	30/08/2	2022						
Name of Client M/s. Megawide Cor C/o GMR Goa inter-				Constructions	on DMCC d Airport Limited				
Add	ress of Client	Mopa, G							
Sampling Plan SEEPL/LD/FM			T-54	Sampling Proced	nre No.	SEEPL/QSI	2-10		
Sam	ple Collected I	By SEEPL R	eprese	ntative					
Month of Sampling August 2022									
	"			AMBIEN	T AIR LOCATION				
loc	ation of ambie	nt air station	Neta	rde(Mahar	ashtra State)(M-A3				
Ave	rage Ambient	Temperature (°C)	1.5	Average	Humidity (%)	72	Latitude	N 15º46'1	
Average Wind Speed (km/hr) 2.1				Wind direction (De		Longitude	E 73º50'4	8.0"	
Instruments Used FPS(			APM-550),	RDS(APM-460) &G					
Sr.	Date of	Report No.		PARAMETERS				or bear	
No	Sampling	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		PM <sub>10</sub>			NOx	co	SPM
1	01/08/2022	SEE/AR/08/2022,		10,04	5.86	<3.00	<6.00	0.03	16.37
2	04/08/2022	SEE/AR/08/2022,	/0091	18.95	8.03	≪3.00	<6.00	0.05	27.14
3	08/08/2022	SEE/AR/08/2022,	/0155	21.21	6.07	<3.00	<6.00	0.02	27.73
4	11/08/2022	SEE/AR/08/2022,	/0189	1,6,45	7.82	<3.00	<6.00	0.03	24.33
5	15/08/2022	SEE/AR/08/2022	/0246	20.70	6.90	<3.00	<6.00	0.02	27.71
6	18/08/2022	SEE/AR/08/2022	/0323	14.86	5.24	<3.00	<6.00	0.03	20.23
7	22/06/2022	SEE/AR/08/2022	/0359	15.16	8,48	<3.00	<6.00	0.05	24.09
B	25/08/2022	SEE/AR/08/2022	/0463	16,41	5.49	<3.00	<6.00	0.02	22.33
ŧj	29/08/2022	SEE/AR/00/2022	/0512	18.54	8.77	<3.00	≺6.00	0.03	28.07
	NAA	QS Limits*		100	60	80	80	4	
		Units		ug/m1	ng/m³	ug/m <sup>1</sup>	ug/m³	mg/m <sup>3</sup>	mg/m
	Method			IS 5182( Part 23)	Lab SOF NO.: SEE/LD/SOP-AA-04	(Part 02)	IS 5182 (Part (6)	(S 5182) Part 10)	Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

- : Test results relate only to the condition prevailing at the time of sampling
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Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade

2)Pandurang Gawas (

Analyzed by

Varsha Pole

Reviewed by

Anameep Sawant Authorized Signatory

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1 MG, Dempe Toward, EDC Patte, Panas 402 001. Geo State, India 97. (0882):2437048 / 2452163. Page 374 of 567

## Respirable Dust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
Control of the Contro		LES-CCL/FF/MF/SC/1722	13/07/2022	12/07/2023

### **UV** Spectrophotometer

Sr No.	Equipment Name	Calibration
01	uv	In House Calibration

### Fine Particulate Sampler (SR NO. 105 DTK-2012)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/5085	13/07/2022	12/07/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	1 No. SEE/AR/08/2022/0190		Date of Issue		2
Name of Client	M/s Megawide Construction DMCC C/o GMR Goa International Airport Limited				
Address of Client	Mopa, Goa	Mopa, Goa			
Sample Collected By	SEEPL Representative	Environmental condition of Lab			
Date of Sampling	11/08/2022	Temperature(PC)	28.0	Humidity (%)	68
Analysis Started On	16/08/2022	Analysis Completed On		17/08/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	Mope Boundary (Goa State)	
Instruments Used	Organic Vapour Sampler	

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Enginee Company

Arganteep Sawani Authorized Signatory

## Organic Vapour Sampler

Se No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
31 1434	Edulation tagette			10 to 10000	17/02/2023
DO:	CWS Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	11/02/2023



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	AMBIENT AIR QUA	ALITY MONITORING	REPORT					
Report No.	SEE/AR/08/2022/0191	Date of	Date of Issue		2			
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited							
Address of Client	Mopa Goa	Mopa, Goa						
Sample Collected By	SEEPL Representative		Environmen	ital condition of Lab				
Date of Sampling	11/08/2022	Temperature(°C)	28.0	Humidity (%)	66			
Analysis Started On	16/05/2022	Analysis Complet	ed On	17/08/2022				

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mopa Airport Premises)
Instruments Used	Organic Vapour Sampler

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdosker Analyzed by

Varsha Pole Reviewed by Enginees P

Angudeep Sawant Authorized Signatory

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## Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
31.140	Equipment rentra		and design from the state	10000100000	17/02/2023
D1	OVS Sampler	24-DTD-2016	EI/FF/3524	18/02/2022	27/02/2013



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	AMBIENT AIR QUA	ALITY MONITORING	REPORT					
Report No.	SEE/AR/08/2022/0192	Date of	Date of Issue		22			
Name of Client		M/s Megawide Construction DMCC C/o GMR Goa international Airport Limited						
Address of Client	Mopa, Goa							
Sample Collected By	SEEPL Representative		Environmen	tal condition of Lab				
Date of Sampling	11/08/2022	Temperature(PC)	28.0	Humidity (%)	66			
Analysis Started On	16/08/2022	Analysis Comple	ted On	17/08/2022				

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)	
Instruments Used	Organic Vapour Sampler	

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Paremeters	Result	Unit	Method
01	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Engline

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### Organic Vapour Sampler

Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
Ser. Value	The state of the s	Control of the second second second second	and Aprile Test on Inch.	20 (00 factor)	17/02/2023
D1	OV5-Sampler	101-DTD-2014	EI/FF/3523	18/02/2022	1//02/2023



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STATISTICS. SMITH

Authorized Signatory

NOISE LEVEL MONITORING REPORT SEE/AR/08/2022/0513-0514, 0489-0490, 0465. 03/09/2022 Date of Issue Report No. 0485, 0464, 0521, 0523, 0486, 0524, 0522 M/s: Megawide Construction DMCC Name of Client C/o GMR Gos International Airport Limited Mona, Goa Address of Chert SEEPL Representative Sample Collected By SEEPL/QSP-10 Sampling Procedure No. Sampling Plan SEEFL/LD/FMT- 54

Chemical Testing - Atmospheric Pollution

Sr.	Date of	Report No.	Statio	Zo	Sampling Location	Day Time Noise in dB(A)			Night Time Noise in dB(A)		
No	Monitoring	hopotimos	n ID	i) ë	- Sampling assured	Lmin	Lmax	Loq	Lmin	Lmax	Lag
1.	29/08/2022	SEE/AR/08/2022/0513	G-N1	1	Mopa Boundary	30.1	74.2	57.2	30.0	73.2	52,9
2	29/08/2022	SEE/AR/08/2022/0514	G-N2	1	Shamecheadvan Boundary	30.3	73,5	58.1	30.1	71.6	53.7
3.	28/08/2022	SEE/AR/08/2022/0489	G-N3	C	Nagzar	30.0	68.1	51.3	30.8	85.4	48.0
4	28/08/2022	SEE/AR/08/2022/0490	G4N4	R	Purva Casarvamem	30.0	57.5	47.9	30.2	55.2	38.8
5.	25/08/2022	SEE/AR/08/2022/0465	G-N5	R	Chandel	30.1	68.3	44.7	30.3	61.1	39.2
6	28/08/2022	SEE/AR/08/2022/0485	G-N6	R	Khajne Amere Porscodem	30.4	72.1	46.8	31.1	69.3	39.3
7.	25/08/2022	SEE/AR/08/2022/0464	G-N7	R	Warkhand	30.5	71.6	45.4	32,3	60.2	39.8
8.	30/08/2022	SEE/AR/08/2022/0521	G-N8	C	Rajvil Wada Torxem	30,0	73.6	52.6	30,0	68.1	46.8
9.	31/08/2022	SEE/AR/08/2022/0523	G-N9	C	Village Panchayat Tamboxem - Mopa- Ugvem	30.0	70.1	58.6	30.5	67.1	48.4
10.	28/08/2022	SEE/AR/08/2022/0486	M-N1	R	Salarda	30.2	68.2	44.2	30.0	58.8	37.2
17,	31/08/2022	SEE/AR/08/2022/0524	N-N2	R	Dingra	30.0	69 3	46.6	30.0	59.2	39.1
12.	30/08/2022	SEE;AR/08/2022/0522	M-N3	R	Netarde	30.2	74.5	48.4	30.3	70.3	38.5

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Area Code	Peterniti et Ave-	Limits in dB(A) Leq		
	Category of Area	Day Time	Night Time	
(A)	Industrial Area (1)	75	70	
(B)	Commercial Area ( C )	65	55	
(C)	Residential Area ( R )	55	45	
(D)	Silence Zone (S)	50	40	

Day time is reckoned in between 6,00am to 10,00pm and night time is reckoned in between 10,00pm to 6,00am,

\*dB(A) Leg denotes the time weighted average of the level of sound in decibets on source A which is relatable to human hearing. A "decibet" is a unit in which noise is measured.

"A" in dB(A) Leg, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leg. It is the energy mean of the noise level over a specified period

Note: Monitoring has been done as per GPCB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested

: Test results relate only to the condition prevailing at the time of sampling

Salibration details of the equipments used in monitoring and / or analysis is back side of analysis report

Sahiwan Gawas Monitored by

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Guaranteed By Danuary of Edica Commun. Figure 5: 700-am Coloring in Tries Chileston & 72 Mar (1).

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## Calibration Details of Equipment used for Sampling

## Noise Level Meter No.3 (HE:002221H)

me Calibration Certificate	4 4 100	
me Calibration Certificate	54 23/07/2022	22/07/2023
2	ter LES-CCL/MECH/SLM/S	ter LES-CCL/MECH/SLM/S54 23/07/2022

## Noise Level Meter No.4 (HE:001774H)

Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Colibration due date
36 140	Extrabilities ranging			0-15 Fm 15 FM 15/15
01	Noise Level Meter	LES-CCL/MECH/SLM/562	23/07/2022	22/07/2023



IS 1090107, Plot No. 63, Palet Estate, Strice Magner, Morring Allie, Old Berlin Stuad, Baction, Provincia, Paragi-Cala-403 101 Goo State, Aven. (7) (0802) 2411022 / 2411023 € E-mail: starticggook@redffmail.com

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Lab accredited by MuEF & CC Valid up to 68: N 2923 & Certified by ISO 8001 (2016 & ISO 45001 ) 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/237 Issue Date			16/08/20	22	
Name of Client	M/s, Megawide Construction C/o GMR Goa International	n DMCC at Alrgort L	imited			
Address of Client	Мора, Сов					
w w were	The state of the s			Temp *C	Humidity %	
Order / Reference	As per dated DB/08/2022	22 Environmental Condition of Lab		28.1	64	
Sampling Plan	SEEPL/LD/FMT-54	54 Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall -3 Varconda					
Sample details	Storm Water Outfall 3		Date of collection	08/08/2022		
Sample Collected by	SEEPL Representative	SEEPL Representative		08/08/20	22	
Analysis Started On	08/08/2022		Analysis Completed On 16/08/3		2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity 1000 ml +		+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	Hq	6,94	9	APHA( 23rdEdition ) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 Edition ) 5220-8	
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	12.00	mg/lit	APHA(237Edition) 2540-D	
5.	Oil & Grease (O & G)	1.00	mg/lit	/fit APHA( 23=Edition ) 5520-O-8G	
6.	Total Dissolved Solids (TDS)	29.00	mg/lit	APHA( 23=Edition ) 2540-C	

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed by

Varsha Pole Reviewed By

hopdekar

Anandeep Sawant Authorized Signatory

# **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	C/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	0,002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MoEF & CC Valid up to 65 11 2023 # Certified by ISO 9101 2015 & ISO 45001 - 2018

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/08/2922/185 Issue Date		Issue Date	16/08/2	022		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mope, Goa						
300 Days		Environmental Condition of Lab		Temp * C	Humidity %		
Order / Reference	As per dated 08/08/2022 Environmental Con-		nmental Condition of Lac	28.1	64		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Land side Outfall 1( Maing	ate)					
Sample details	Storm Water Outfall 1		Date of collection	08/08/2022			
Sample Collected by	SEEPL Representative		Sample Received On	08/08/2	022		
Analysis Started On	08/08/2022		Analysis Completed On 16		022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity 10		+ 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6,95	1.0	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	32.00	mg/lit	APHA( 23 <sup>rt</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	50.00	mg/fit	APHA( 23dEdifion ) 2540-C
				mm180908100-991009-40009081

Note: Test results related only to the sample tested.

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VOTORON! Shweta Sawant Analyzed by

Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

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Guardijd Sy Ministry of Environment, Forest & Climate Change, Soxt Orlands, S. O. 167-153

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# **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD Incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	C)/009	T2021/11/006	11/11/2021	11/11/2022	
	2000-00-00-00-00-00-00-00-00-00-00-00-00					



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Life econditives by \$5007 % CC Valid up in 03 \$1,2923 ★ Confilled by ISO 6001:2015 & SC 45001 : 2016

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/222	SEE/08/2022/222 Issue Date				
Name of Client	M/s, Megawide Construction C/o GMR Goa International		imited			
Address of Client	Mopa, Goa					
	Taranta da Maria da Maria	manufat Position of Lab	Temp *C	Humidity %		
Order / Reference	As per dated 08/08/2022	Environmental Condition of Lab		28.1	84	
Sampling Plan	SEEPL/LD/FMT-54	r-54 Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall 2 (CV-13) Ar	mberem				
Sample details	Storm Water Outfell 2		Date of collection	08/08/2022		
Sample Collected by	SEEPL Representative		Sample Received On 08/08/		2022	
Analysis Started On	08/08/2022		Analysis Completed On 16/08		8/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	7.32		APHA( 23 Edition ) 4500 H+-B
2,	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	75.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23#Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	44.00	mg/lit	APHA( 23ti Edition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

Amont

Varsha Pole Reviewed By

Apandgep Sawant Authorized Signatory

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Distremed the Ministry of Environment: Forbit II. Climate Change, Gavi Ol India, S. Cl. (657 (b)).

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# Equipment Calibration Details

	T			Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/ <b>0</b> 62	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
03. 04.	Hot Air Oven	Cy009	T2021/11/006	11/11/2021	11/11/2022	



5-306/337, Prot.No. 61, Parist Estato, Ruis Magos, Visrem, Alto, Old Bellin Road, Barder, Povvonin, Panaj-Goe-803-101. Goo State, Funia. 47 (0833) 2411322 / 2511322 \* E-inall: stambigiositive@final.com

Lab according by MoEF & CC Valid up to 03 11,2023 & Contilled by ISO 9001;2015 & ISO 45001 : 2018

1000 ml + 1000ml

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/223 Issue Date		Issue Date	16/08/20	22	
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
at the section is a	and the state of the second	Environmental Condition of Lab		Temp ≗ C	Humidity %	
Order / Reference	As per dated 08/08/2022			28.1	64	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall-2 (CV-13A)	Amberen	1			
Sample details	Storm Water Outfell 2		Date of collection	08/08/2022		
Sample Collected by	SEEPL Representative		Sample Received On	08/08/20	22	
Analysis Started On	08/08/2022		Analysis Completed On	16/08/20	22	

#### Chemical Parameters

Sample Container

Sr. No.	Parameters	Results	Unit	Method
1.	Hq	7.15	- 5	APHA( 23MEdition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	28.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	90.08	mg/lit	APHA( 23#Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23 dEdition ) 2540-C

Semple Quantity

Note: Test results related only to the sample tested.

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Glass Bottle + PVC Can

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

STREET Shweta Sawant Analyzed by

Varsha Pole Reviewed By

Apandeep Sawant Authorized Signatory

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# **Equipment Calibration Details**

				Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Leb scaledied by McEF & CC Valid to be 03.11 2023 # Certified by ISO 9001.2015 & ISO 45071 - 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/224		Issue Date	16/08/2022		
Name of Client	M/s. Megawide Constructio C/o GMR Goa International	n DMCC il Airport L	imited			
Address of Client	Mopa, Goa					
Section 1914 2 Towns	CHACLO INCOMPANIA MANA	Environmental Condition of Lab		Temp # C	Humidity %	
Order / Reference	As per dated 08/08/2022			28.1	64	
Sampling Plan	SEEPL/LD/FMT- 54	PL/LD/FMT-54 Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Airside Outfall-2 (CV-18)	Amberem				
Sample details	Storm Water Outfall 2	Storm Water Outfall 2		08/08/20	)22	
Sample Collected by	SEEPL Representative		Sample Received On	08/08/20	08/08/2022	
Analysis Started On	08/08/2022		Analysis Completed On	16/08/20	16/08/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.97	2	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2-	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23#Edition ) 5220-8
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	73.00	mg/lit	APHA( 23 <sup>MEdition</sup> ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 Edition ) 5520-O &G
6,	Total Dissolved Solids (TDS)	45.00	mg/lit	APHA( 23rdEdition.) 2540-C

Note: Test results related only to the sample tested.

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# **Equipment Calibration Details**

	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
D2	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	G/009	T2021/11/006	11/11/2021	11/11/2022	



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List accredited by MaEF & CC Valid up to US 11 2021 # Centiled by ISO 9001 2015 £ (SO 45001 - 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/231		Issue Date	16/	16/06/2022	
Name of Client	M/s. Megawide Construction	n DMCC sl Airport L	inited			
Address of Client	Mopa, Goa					
Exceptibility of Colors	Carlo Carlo Carlo La Carlo Car	Property	amounted Canadillan of Lab	Temp	o C	Humidity %
Order / Reference	As per dated 08/08/2022	Environmental Condition of Lab		28.1		64
Sampling Plan	SEEPL/LD/FMT-54 Sampling		ng Procedure No. S		SEEPL/QSP-10	
Sampling point	Airside Outfall 5( Chandel)					
Sample details	Storm Water Outfall 5	Storm Water Outfall 5		08,	08/08/2022	
Sample Collected by	SEEPL Representative		Sample Received On	08	08/20	122
Analysis Started On	08/08/2022		Analysis Completed On	16	08/20	122
Sample Container	Glass Battle + PVC Can		Sample Quantity	10	00 ml	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	Hq	7.05	2	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit	APHA( 23 Fedition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3026 (Part 44)
4.	Total Suspended Solids (TSS)	53.00	mg/lit	APHA( 23 "Edition ) 2540-D
5.	Oil & Grease (O & G)	<1.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O &G
8.	Total Dissolved Solids (TDS)	41.00	mg/lit	APHA( 23rd Edition ) 2540-C

Note: Test results related only to the sample tested.

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_	1			Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Dua Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	C)/009	T2021/11/006	11/11/2021	11/11/2022



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/08/2022/232		Issue Date	16/08/20	22
Name of Client	M/s, Megawide Construction C/o GMR Goa International		imited		
Address of Client	Mopa, Goa				
		THEOREM	nmental Condition of Lab	Temp ₹C	Humidity %
Order / Reference	As per dated 08/08/2022	Enviro	nmental Condition of Cad	28.1	64
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/OSP	410
Sampling point	Landside Outfall- 2 ( Tulas	karwadi)			
Sample details	Storm Water Outfall 2		Date of collection	08/08/20	)22
Sample Collected by	SEEPL Representative		Sample Received On	08/08/20	122
Analysis Started On	08/08/2022		Analysis Completed On	16/08/20	022
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml
Chemical Parameters					

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.10	9	APHA( 23 <sup>rd</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	18.00	mg/lit	APHA( 23 Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	29.00	mg/lit	APHA( 23º/Edition   2540-D
5.	Oil & Grease (O & G)	<1.00	rng/fit	APHA( 23rdEdition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	38.00	mg/lit	APHA( 23rd Edition ) 2540-C

Note: Test results related only to the sample tested.

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	T .			Calibrat	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	oH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
C2.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	C)/009	T2021/11/006	11/11/2021	11/11/2022



B-306/007, Plot No. 61, Patrix Estato, Rivis Mogosi, Varum, Alta, Old Bestin Road, Bardair, Porvoran, Pantid-Goz-107 101. Gos State, India: (f) : (f)(32) 2411322 / 3411323 \* E-mail: starbdgco@bed@mail.com

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Lab according by McEF & CC Valid up to \$3.11.2023 \* Certilied by ISO 9301/2015 & ISO 45361 - 2018

	ANALYSIS REPO	ORT FOR V	WATER SAMPLE		
Report No.	SEE/08/2022/235		Issue Date	16/08/20	22
Name of Client	Ws. Megawide Constructio C/o GMR Goa Internationa	n DMCC I Airport Li	mited		
Address of Client	Mopa, Goa				
m m material	255000000000000000000000000000000000000	-14-+17/042/2FS	Control of Paradillant of Lake	Temp ® C	Humidity %
Order / Reference	As per dated 08/08/2022	Enviror	mental Condition of Lab	28.1	64
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/OSP	-10
Sampling point	Airside Outfall-4 ( Hot mix F	Plant)			
Sample details	Storm Water Outfall 4		Date of collection	08/08/20	)22
Sample Collected by	SEEPL Representative		Sample Received On	08/08/20	022
Analysis Started On	D8/08/2022		Analysis Completed On	16/08/20	122
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	рН	7.86	-	APHA( 23≪Edition ) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	16,00	mg/lit	APHA(23ªEdition) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	63.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D	
5.	Oil & Grease (O & G)	1.20	mg/lit	APHA( 23 Edition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	48.00	mg/fit	APHA( 23eEdition ) 2540-C	

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Angodeep Sawant Authorized Signatory

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	GOO Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/008	11/11/2021	11/11/2022
041	HIACON SOCI	1500,00000	APPENIALDSOT.	L. CONTANTANT	



8-306/307, Plot No. 61, Patel Estate, Rvin Marjos, Verem, Allo, Ord Bottin Road, Bandrez, Porvorim, Panoji-Grae-635, 191. Con Bate, India (0): (00:02) 2411322 / 2411323 \* E-mail: startabgoa@melfmail.com

Lab according by MoEF & CC Valid up to 01. 11 2020 # Centiles by ISO 9001 2015 & ISO 45061 - 2018

SHAS ITHURA SAVELEE

	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/08/2022/236		Issue Date	16/08/20	22
Name of Client	M/s. Megawide Constructio C/o GMR Goa Internationa	n DMCC Airport L	mited		
Address of Client	Mopa, Goa				
N. WANE:		-184057-0002	The latest point of the latest and t	Temp <sup>5</sup> C	Humidity %
Order / Reference	As per dated 08/08/2022	Enviro	nmental Condition of Lab	28.1	64
Sampling Plan	SEEPL/LD/FMT-54	Samplin	g Procedure No.	SEEPL/QSP	-10
Sampling point	Lanside Outfall -3 (Behind	MCDMCC	Office)		
Sample details	Storm Water Outfall 3		Date of collection	08/08/20	122
Sample Collected by	SEEPL Representative		Sample Received On	08/08/20	322
Analysis Started On	08/08/2022		Analysis Completed On	16/08/20	022
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1	pi-l	7.63		APHA( 23*Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	32.00	mg/lit	APHA( 23/FEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	6.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	67.00	mg/lit	APHA( 23rdEdition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>nl</sup> Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	40.00	mg/lit.	APHA( 23*Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

Anamdeep Sawant Authorized Signatory

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_				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/08/2022/133	Issue Date		11/08/	2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Outer / Dulaman	As not detect outportons	Environmental Condition of Lab	Ter	np °C	Humidity %
Order / Reference	As per dated 04/08/2022	Environmental Condition of Lag	- 1	28.3	66
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No		SEEP	L/QSP-10
Sampling point	Borewell No. 2				-
Sample details	Ground Water	Date of collection		04/08/	2022
Sample Collected by	SEEPL Representative	Sample Received On		04/08/	2022
Analysis Started On	04/08/2022	Analysis Completed On		11/08/	2022
Sample Container	Glass bottle + PVC Can	Sample Quantity		1000	nl +4000ml
Chemical Testing				-	

Sr. No.	Parameter	Result	Unit	IS destrable Limit (As per IS 10500)	Method
1,	pH	6.95	100	6.5 - 8.5	IS 3025 (Part 11)
2,	Turbletty	0.68	UTM	1.00	IS 3025 (Part 5)
3.	Taste	Agreeable	1	Not Specified	APHA( 23rdEdition ) 2160 B
4.	Calor	<1.00	Hazen unit	Not Specified	APHA( 23#Edition ) 2120 B
5.	Odour	Agreeable	100	Not Specified	APHA( 23riEdition ) 2150 B
6.	Total Alkalinity	48.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	147.00	mg/lit	500.00	IS 3025 (Part 16)
8.	Chlorides as CI	30.03	mg/lit	250.00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>6</sub>	<5.00	mg/lit	200,00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23rdEdition ) 4500 S2F
11.	Total Hardness as CaCO <sub>2</sub>	80.00	mg/lit	200.00	IS 3025 (Part 21)
12.	Ammonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13.	Mineral oil	101	mg/lit	0.50	Clause 6 of IS 3025 (Part 39)

1. Anisha Parab

2. Shreya Harmalkar Analyzed by

Varsha Pole Reviewed By

Anarrosep Sawant Authorized Signatory

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Report No.	SEE/08/2022/133	Issue Date	11/08/2022
Order / Reference	As per dated 04/08/2022	Sample Received On	04/08/2022
Analysis Started On	04/08/2022	Analysis Completed On	11/08/2022
Name of Client	Ws. Megawide Construction DN C/o GMR Goa International Air		

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14:	Residual free chlorine	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15.	Nitrate as NO <sub>3</sub>	<1.00	mg/lit	45.00	1S 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23 Fdition ) 4500 FD
17	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 234 Edition ) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23*Edition ) 4500 CN -D
19	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23"Edition ) 5540 - C
letal	Analysis				
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etal	Analysis				4
20	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21,	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	20.84	mg/fit	Not Specified	APHA(23/Edition) 3500CaB
24.	Cadmium as Cd	<0.001	mg/lit	0.603	IS 3025 (Part 2)
25.	Iron as Fe	0.14	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	6.78	mg/lit	Not Specified	APHA( 23rsEdition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23ªEdition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30,	Zinc as Zn	<0.01	mg/llt	5.00	IS 3025 (Part 2)
31.	Sodium as Na	18.00	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
32	Potassium as K	8.00	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

Aniska Parab
 Analyzed by

Varsha Pole Reviewed By

Anzingep Sawant Authorized Signatory

Report No.	SEE/08/2022/133	Issue Date	11/08/2022
Order / Reference	As per dated 04/08/2022	Sample Received On	04/08/2022
Analysis Started On	04/08/2022	Analysis Completed On	11/08/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23"Edition ) 9221-B
35.	E.coli et 44.5°C for 24hrs.	Absent	MPN (ndex/100ml	Not Specified	APHA( 23//Edition ) 9221-G

Note: Test results related only to the sample tested.

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		Equipment Id		Calibration Details		
Sr. No.	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023	
02	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	U V Spectrophotometer	Q/0166		Inhouse	Calibration	
04.	ICP- OES	Q/162		Inhouse	Calibration	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
.80	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/132		Issue Date		11/08/2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa Internation					
Address of Client	Mopa, Goa					
Oules / Balancian	As per dated 04/08/2022	Environmental Condition of Lab		Tem	O O C	Humidity %
Order / Reference	As per dated 04/00/2022			28	1.3	66
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		10
Sempling point	WTP-Treated					
Sample details	Treated Water sample		Date of collection		04/08/2022	
Sample Collected by	SEEPL Representative		Sample Received On		04/08/	2022
Analysis Started On	04/08/2022		Analysis Completed On		11/08/	/2022
Sample Container	Glass bottle		Sample Quantity		5000 ml	

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.09	1	6.5 - 8.5	IS 3025 (Part 11)
2.	Turbidity	0.45	NTU	1,00	IS 3025 (Part 5)
3,.	Taste	Agreeable	*	Not Specified	APHA( 23 #Edition ) 2160 B
4.	Color	<1.00	Hazen unit	Not Specified	APHA( 23*Edition ) 2120 B
5.	Odour	Agreeable	4	Not Specified	APHA( 23ºEdition ) 2150 B
6.	Total Alkalinity	28.00	mg/lit	200.00	IS 3025 (Part 23)
7.	Total Dissolved Solids	64.00	mg/lit	500.00	IS 3025 (Part 16)
8.	Chlorides as Cl	17.01	mg/lit	250,00	IS 3025 (Part 32)
9.	Sulphate as SO <sub>f</sub>	<5.00	mg/lil	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	mg/lit	Not Specified	APHA( 23#Edition ) 4500 SZF
11.	Total Hardness as CaCO <sub>3</sub>	30,00	mg/lit	200,00	IS 3025 (Part 21)
12	Ammonia	<0.50	mg/lil	0.50	IS-3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0.50	Clause 6 of IS 3025 (Part 39): 1991

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Varsha Pole

Reviewed By

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Report No.	SEE/08/2022/132	Issue Date	11/08/2022
Order / Reference	As per dated 04/08/2022	Sample Received On	04/08/2022
Analysis Started On	04/08/2022	Analysis Completed On	11/08/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		

Sr.	nical Testing	4000	10.4	IS desirable	(referred)
No.	Parameter	Result	Unit	Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit.	0.20	IS 3025 (Part 26)
15.	Nitrate as NO:	1,66	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23rdEdition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA(23 Fedition) 5530-B,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA(23rdEdition) 4500 CN -D
19.	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA(23mEdition) 5540 - C
letal	Analysis				
20.	Aluminium as Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	8.01	mg/lil	Not Specified	APHA( 23mEdition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.05	mg/lit	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	2.42	mg/lit	Not Specified	APHA(23°Edition) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23#Edition ) 3120 B
29,	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	<0.01	mg/lit	5.00	IS 3025 (Part 2)
31,	Socium as Na	6,00	mg/lit	Not Specified	APHA( 23 Edition ) 3120 B
32.	Potassium as K	3,00	mg/lit	Not Specified	APHA( 23*Edition ) 3120 B
33,	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

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 Shreya Harmalkar
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Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

Report No.	SEE/08/2022/132	Issue Date	11/08/2022
Order / Reference	As per dated 04/08/2022	Sample Received On	04/08/2022
Analysis Started On	04/08/2022	Analysis Completed Cn	11/08/2022
Name of Client	M/s. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
35.	E.coli at 44,5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23#Edition ) 9221-G

Note: Test results related only to the sample tested.

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		E. Constant		Calibratio	on Details
Sr. No.	I-dilloment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/158	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotometer	Q/0166		Inhouse (	Calibration
04	ICP- OES	Q/162		Inhouse (	Calibration
05.	Microbiological Incubator (37.90)	Q/003	T2021/08/070	26/08/2021	26/08/2022
06.	Microbiological incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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	ANALYSIS REPO	RT FOR WATER SAMPLE		
Report No.	SEE/08/2022/127	Issue Date	10/	/08/2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International			
Address of Client	Mopa, Goa			
Order / Reference	As per dated 04/08/2022	Environmental Condition of Lab	Temp ° 0	C Humidity % 66
Sampling point	P.T.B			
Sample details	Drinking Water	Date of collection	04,	/08/2022
Sample Collected by	SEEPL Representative	Sample Received On	04	/08/2022
Analysis Started On	04/08/2022	Analysis Completed On	10.	/08/2022
Sample Container	Glass bottle	Sample Quantity	10	00 ml

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1,	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23*Edition ) 9221-B
2.	E.coll at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-G

Note: Test results related only to the sample tested.

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-		Equipment Id	Certificate No.	Calibration Details		
Sr. No.	Equipment Name			Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR WATER SAMPLE				
Report No.	SEE/08/2022/128	Issue Date		10/08/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa International					
Address of Client	Mopa, Goa					
Order / Reference	As per dated 04/08/2022	2 Environmental Condition of Lab		p ° C	Humidity % 66	
Sampling point	L.S.C					
Sample details	Drinking Water	Date of collection	ction		04/08/2022	
Sample Collected by	SEEPL Representative	Sample Received On		04/08/	2022	
Analysis Started On	04/08/2022	Analysis Completed On		10/08/	2022	
Sample Container	Glass bottle	Sample Quantity		1000	m)	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-B
2.	E.coli et 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-G

Note: Test results related only to the sample tested.

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			Certificate No.	Calibration Details	
Sr. No.	Equipment Name	Equipment Id		Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022
02	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022
03,,	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/08/2022/129	Issue Date	10/	/08/2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa International		,		
Address of Client	Mopa, Goa				
Order / Reference	As per dated 04/08/2022	ated 04/08/2022 Environmental Condition of Lab		C Humidity % 66	
Sampling point	VNC Colony				
Sample details	Drinking Water	Date of collection	04/	04/08/2022	
Sample Collected by	SEEPL Representative	Sample Received On	.04/	/08/2022	
Analysis Started On	04/08/2022	Analysis Completed On	10/	/08/2022	
Sample Container	Glass bottle	Sample Quantity	10	00 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23*Edition ) 9221-B
2.	E.coll at 44.59C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>d</sup> Edition ) 9221-G

Note: Test results related only to the sample tested.

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			Certificate No.	Calibration Details		
Sr. No.	Equipment Name	Equipment Id		Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Ω/004	T2021/08/071	26/08/2021	26/08/2022	
03	Leminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/08/2022/130	Issue Date		10/08/	2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Order / Reference	As per dated 04/08/2022	Environmental Condition of Lab		p ° C 8,3	Humidity %
Sampling point	Hot Mix Plant (KMV)				
Sample details	Drinking Water	Date of collection		04/08/2022	
Sample Collected by	SEEPL Representative	Sample Received On		04/08/	2022
Analysis Started On	04/08/2022	Analysis Completed On		10/08	2022
Sample Container	Glass bottle	Sample Quantity		1000	ml

Microbiological Parameters

Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23**Edition ) 9221-B
E.coli at 44,5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 Edition) 9221-G
	MPN	MPN Absent	MPN Absent MPNIndex/100ml	Parameter Result Unit Limit (As per IS 10500)  MPN Absent MPNIndex/100ml Not Specified

Note: Test results related only to the sample tested.

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				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/131	SEE/08/2022/131		10/08/2022		2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International	n DMC al Airpor	C t Limited			
Address of Client	Mopa, Goa					
Order / Reference	As per dated 04/08/2022	W08/2022 Environmental Condition of Lab		Temp ° C 28.3		Humidity % 66
Sampling point	Megawide Labor Colony					
Sample details	Drinking Water		Date of collection	04/08/2022		2022
Sample Collected by	SEEPL Representative	SEEPL Representative			04/08/2022	
Analysis Started On	04/08/2022		Analysis Completed On		10/08/2022	
Sample Container	Glass bottle	Glass bottle			1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23r/Edition ) 9221-B
2.	E.coli et 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23FEdition) 9221-G

Note: Test results related only to the sample tested.

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3		12.2		Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	28/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C )	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	RT FOR WATER SAMPLE					
Report No.	SEE/08/2022/134	Issue Date	10/08	/2022			
Name of Client		M/s. Megawide Construction DMCC C/o GMR Gos International Airport Limited					
Address of Client	Mopa, Goa						
Order / Reference	As per dated 04/08/2022	As per dated 04/08/2022 Environmental Condition of Lab		Humidity % 66			
Sampling point	KMV						
Sample details	Drinking Water	Date of collection	04/08	/2022			
Sample Collected by	SEEPL Representative	Sample Received On	04/08	/2022			
Analysis Started On	04/08/2022	Analysis Completed On	10,08	/2022			
Sample Container	Glass bottle	Sample Quantity	1000	1000 ml			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23°Edition ) 9221-B
2	E.coll et 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 dedition) 9221-G

Note: Test results related only to the sample tested.

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Anandeep Sawant **Authorized Signatory** 

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2021/08/071	26/08/2021	26/08/2022	
03	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
04.	Autoclave	0/010	M2022/04/031	18/04/2022	18/04/2023	



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/654	SEE/08/2022/854		05/09/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	1 10 CV 11 11 2 11 11 12	- 1	A N TO STANFARD OF THE		Humidity %	
	As per dated 30/08/2022	Environ	nmental Condition of Lab	28.1	65	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	g Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Inlet Water		Date of collection	30/08/2022		
Sample Collected by	SEEPL Representative		Sample Received On	30/08/2022		
Analysis Started On	30/08/2022		Analysis Completed On 05/09/2022		2	
Sample Container	Glass Bottle + PVC Can		Sample Quantity 1000 r		1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	6.34	3	APHA( 23"Edition ) 4500 H+ B
2.	Chemical Oxygen Demand (COD)	544.00	mg/lit	APHA( 23"Edition ) 5220-8
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	128.52	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	109.00	mg/fit	APHA( 23#Edition ) 2540-D
5.	Oil & Grease (O & G)	11,40	mg/lit	APHA( 23#Edition ) 5520-O &G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawade Analyzed By Varisha Pole Reviewed By Engline Service Participation

Anandeep Sawant Authorized Signatory

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Sr. Equipment Name Equipment Id		Callbration Details			
	Equipment Name	Dec 200 (120 (100 (200 (200 (200 (200 (200	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	0/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	D/009	T2021/11/006	11/11/2021	11/11/2022



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STAL TUPHOL

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/855	SEE/08/2022/655		05/09/2022		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	Complete Commence		and the spice of the	Temp OC	Humidity %	
	As per dated 30/08/2022	FUALO	Environmental Condition of Lab		65	
Sampling Plan	SEEPL/LD/FMT-54	Samplin	ng Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Outlet Water		Date of collection	30/08/2022		
Sample Collected by	SEEPL Representative	SEEPL Representative		30/05/2022		
Analysis Started On	30/08/2022		Analysis Completed On	05/09/20	05/09/2022	
Sample Container	Glass Bottle # PVC Can	Glass Bottle # PVC Can		1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1	На	8.22		5.5 - 9.0	APHA( 23"Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	132.00	mg/lit	250,00	APHA( 23 Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	24.90	mg/lit	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	66,00	mg/lit	100.00	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	3.20	mg/lit	10.00	APHA( 23°Edition ) 5520-D &G

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Mugdha Gawada Analyzed By

Varsha Pola Reviewed By

Ananotep Sawant Authorized Signatory

HEAD OFF ILAB: Plate's Auth North No. 16. Kisse Negatifices M.J.D.C. Wage Industrial Area. There - 100 661. Mahorishini Saltu, Industrial (91-72) and 1017 1.2563 3022 (2583 3022 a 2583 1027 a E-mail a prastaudolarization com / poodulari @grave.com

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Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Details		
				Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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SWETHER.

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No	SEE/08/2022/125		Issue Date	10/08/2022		
Name of Client	M/s. Megawide Construction C/o GMR Gos Internations	n DMCC al Airport L	imited			
Address of Client	Mopa, Goa					
and the second	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	# 100 March 19 Cab		Temp *C	Humidity %	
Order / Reference	As per dated 04/08/2022	ENVIRO	Environmental Condition of Lab		66	
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	STP (KMV)					
Sample details	Inlet Water		Date of collection	04/08/2022	04/08/2022	
Sample Collected by	SEEPL Representative		Sample Received On 04/0		08/2022	
Analysis Started On	04/08/2022		Analysis Completed On	10/08/202	10/08/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml +	1000 ml + 1000ml	

#### **Chemical Parameters**

Sr. No.	Parameters	Results	Unit	Method
1	рН	6.07		APHA( 23 "Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	364.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3	Biochemical Oxygen Demand (27°C 3 day)(BOD)	95.20	mg/lit	(S 3025 (Part 44)
4	Total Suspended Solids (TSS)	103.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Ol & Grease (O & C)	6.00	mg/lit	APHA( 23rdEdition ) 5520-O &G
		-	41	

Note: Test results related only to the sample tested.

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Shwele Sawant Analyzed By

Varsha Pole Reviewed By

Angrocep Sawant Authorized Signatory

## **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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DRIVE HIRTORY

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/08/2022/126		Issue Date	10/08/20	22	
Name of Client	M/s. Megawide Construction		imited			
Address of Client	Mopa, Goa					
0.1-10.4	A	Transferen	Environmental Condition of Lab		Humidity %	
Order / Reference	As per dated 04/08/2022	EUAHO			-66	
Sampling Plan	SEEPL/LD/FMT- 54	Samplin	ng Procedure No.	SEEPL/QSP-10		
Sampling point	STP (KMV)			1,01		
Sample details	Outlet Water		Date of collection	04/08/20	22	
Sample Collected by	SEEPL Representative		Sample Received On	04/08/20	04/08/2022	
Analysis Started On	04/08/2022		Analysis Completed On	10/08/20	10/08/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	рН	6.42	-	5.5-9.0	APHA( 23rdEdition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	28.00	mg/lit	50.00	APHA( 23MEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	5.60	mg/lit	10.00	IS 3025 (Part 44)
4	Total Suspended Solids (TSS)	14.00	mg/lit	20.00	APHA( 23 Edition ) 2540-D
5.	Oll & Grease (O & G)	2.40	mg/lit	10.00	APHA( 23*/Edition ) 5520-O &G
6.	Ammonia	1.68	mg/lit	5.00	APHA( 23rdEdition ) 4500 NH3B C
7	Total Nitrogen ( as N)	7.00	mg/lit	10.00	APHA( 23rdEdition ) 4500 N-B

#### Microbiological Parameters

8. Fee	al coliforms at 44.5°C for 24	31	MPN Index/100ml	100	APHA ( 23 <sup>rd</sup> Edition ) 9221-E	
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Note: Test results related only to the sample tested.

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Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

1. Shweta Sawant Olonoon

2. Anisha Parab Analyzed By Varsha Pole

Reviewed By

Anengeep Sawant Authorized Signatory

# **Equipment Calibration Details**

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2021/09/001	04/09/2021	04/09/2022	
02	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
04.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
05.	Microbiological Incubator (37 °C)	Q/003	T2021/08/070	26/08/2021	26/08/2022	
06.	Microbiological Incubator (44.5 °C)	0,004	T2021/08/071	26/08/2021	26/08/2022	
07.	Laminar Air Flow	Q/001	2021/08/234	26/08/2021	26/08/2022	
.80	Autoclave	0,010	M2022/04/031	18/04/2022	18/04/2023	



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		AMBI	ENT A	IR QUALIT	Y MONITOR	ING R	EPOR	T		
Rep	ort Date	01/10/20	22							
Nan	ne of Client		M/s. Megawide Construction DMCC  L/o GMR Goa International Airport Limited							
Add	lress of Client.	Mopa, Got	1							
San	apling Plan	SEEPL/LE	/FMT-	54 Sam	pling Procedur	e No.	S	EEPL/QSP-1	O.	
San	ple Collected	By SEEPL Re	present	ative						
Moi	ath of Samplin	g Septembe	r 2022							
				AMBIENT A	AIR LOCATION					
Loc	stion of amble	nt air station	Мора	Boundary (C	ioa State) (G-A	1)				
Ave	rage Ambient	Temperature (°C)	30.4	Average H	umidity (%)		67	Latitude	N 15045	51.1"
Ave	rage Wind Spe	ed (km/hr)	1.5	Average W	ind direction (	Deg)	232	Longitude	E 73956'3	32.4"
Inst	ruments Used		FPS(/	APM-550), RE	S(APM-460) &	GPS (A	PM-	F11)		
Sr.	Date of	Report No.		PARAMETERS						
No	Sampling	Report No.		PMie	PMzs	S	0,2	NOx	CO	SPM
t	01/09/2022	SEE/AR/09/2022/	0001	28.15	8.07	<3.	00	<6.00	0.03	32.17
2	06/09/2022	SEE/AR/09/2022/	0051	27.95	5.20	₹3.	OD	<6.00	0.02	33.73
3	08/09/2022	SEE/AR/09/2022/	0059	30.34	6.32	<3.	00	<6.00	0.05	36.91
4	12/09/2022	SEE/AR/09/2022/	0243	21.73	8.11	<3.	00	<6.00	0.02	30.44
5	15/09/2022	SEE/AR/09/2022/	0331	29.81	5,03	<3.	00	<6.00	0.03	35.67
6	19/09/2022	SEE/AR/09/2022/	0387	37.40	10.69	3.2	29	<6.00	0.05	48:43
7	22/09/2022	SEE/AR/09/2022/	0472	40.92	13.10	4.3	30	7.31	0.06	54.66
8	26/09/2022	SEE/AR/09/2022/	0522	25.32	9.48	<3	.00	<6.00	0.03	35.50
9	29/09/2022	SEE/AR/09/2022/	0602	70.48	21.67	4.3	50	8.45	0.09	99.30
	NAA	QS Limits*		100	60	8	0	80	4	+
		Units		μg/ m³	µg/m³	ug/	m/a	µg/mi <sup>q</sup>	mg/m <sup>T</sup>	ng/m³
	3	Wethod		IS-5182( Part 23)	Lab SCP NO.: SEE/LD/SOP- AA-04	IS 518 0		IS 5182 (Fart 06)	IS 5182( Part 10)	IS 5182 Part IV)

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade

2)Pandurang Gawas/ Analyzed by Varsha Pole

Reviewed by

Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

Γ	6- 11-	Equipment Marne	Certificate No.	Calibrated on	Calibration due date
I,	Sr No.	Equipment Name	A PO CON ISST ASSISSION OF	24/09/2021	23/09/2022
1	01	RDS- APM 460 (SR NO.2871-DTG-2020)	LES-CCL/FF/MF/SC/1308	24/03/2024	2270072000

		/ - In		<del></del>
C- No	Eguloment Name	Certificate No.	Calibrated on	Calibration due date
Sr No.			23/09/2022	22/09/2023
01.	RDS- APM 460 (5R NO.2881-DTH-2020)		23/07/2022	22,03,2323

### UV Spectrophotometer

		Calibration
St No.	Equipment Name	
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 991-DTI-2020)

				· · · · · · · · · · · · · · · · · · ·
Sr No.	Equipment Name	Certificate No.	Celibrated on	Calibration due date
31 110.	Editabilitation in the second		24/02/2024	
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3772	24/09/2021	23/09/2022
	[	1		

Sr No.	Equipment Name	Cartificate No.	Calibrated on	Calibration due date
	FPS - APM 550 MINI		23/09/2022	22/09/2023
01	1 Pro - APIN 330 Millar			

Sr No.	Instrument Type	Calibrated on	Calibration due date
01		20/11/2021	19/11/2022



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		AMB	ENTA	IR QUA	LITY MONITORI	NG F	REPO	RT		
Rep	ort Date	01/10/2	022							
Name of Client M/s. Megawid C/o GMR Goa					tion DMCC al Airport Limited					
Address of Client Mopa, Goa										
Sampling Plan SEEPL/LD/FM			D/FM	r- 54	Sampling Procedur	re No		SEEPL/QS	P-10	
Sam	ple Collected	By SEEPL R	eprese	ntative						
Moi	ath of Sampling	g Septemb	er 202	2						
				AMBIE	NT AIR LOCATION					
Loc	ation of ambie	nt air station	Sherr	recheadva	in Boundary(Goa St	ate) (	G-A2)			
Ave	rage Amblent	Temperature (°C)	30.2	Averag	e Humidity (%)		68	Latitude	N 15º42'0	6.1"
Ave	rage Wind Spe	ed (km/hr)	1.7	Аусгад	e Wind direction (C	(Deg) 235		Longitudo	E 73º49'21.5"	
Inst	ruments Used		FPS(	(APM-550), RDS(APM-460) &GPS (APM - 411)						
Sr.	Date of	Report No.				PARAMETERS		ERS		
No	Sampling	Nepon No.		PM <sub>t0</sub>	PM <sub>2.5</sub>	S	02	NOx	CO	SPM
1	01/09/2022	SEE/AR/09/2022	0002	21.34	6.31	<3	:00	<6.00	0.02	27.83
2	06/09/2022	SEE/AR/09/2022	0052	26,35	5.36	<3	.00	<6.00	0.03	32.21
3	08/09/2022	SEE/AR/09/2022	0060	25.94	5.57	<3	.00	<6.00	0.03	31.62
4	12/09/2022	SEE/AR/09/2022	0244	23.41	6.20	<3	.00	<6.00	0.02	29.92
5	15/09/2022	SEE/AR/09/2022	0332	19.05	7.36	3	.00	<6,00	0.03	25.99
6	19/09/2022	SEE/AR/09/2022	0388	34.87	8.23	<3	.00	<6.00	0.03	43.54
7	22/09/2022	SEE/AR/09/2022	0473	32.12	10,98	<3	.00.	<6.00	0.05	42.77
8	26/09/2022	SEE/AR/09/2022	0523	21.34	7.61	<3	.00	<6.00	0.02	29.57
9	29/09/2022	SEE/AR/09/2022,	0603	20.36	6.24	<3	.00	<6.00	0.03	28.60
	NAA	QS Limits*		100	60	E	10	80	4	1.4
		Units		μg/ m <sup>3</sup>	jug/mil	pg	/m³	µg/m³	mg/m³	μg/m
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04		102)	IS 5182 (Part 05)	15 5182( Part 10)	S 5187 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Test methods of analyzed parameters are back side of analysis report.

1) Akash Pattade Mad 2)Pandurang Gawas

Analyzed by

Varsha Pole Reviewed by

Anandeep Sawant Authorized Signatory

## Respirable Dust Sampler's with Gaseous Sampling

Г	en Ale	Faultemont Name	Certificate No.	Calibrated on	Calibration due date
Į	<u>Sr No.</u>	Equipment Name	LES-CCL/FF/MF/SC/1307	24/09/2021	23/09/2022
١	01	RDS- APM 460 (SR NO.2881-DTH-2020)	LES-CCL) 117 (VIII / SC/ 130)	24,00,00	

E-No	Equipment Name	Certificate No.	Calibrated on	Calibration due date
Sr No.			23/09/2022	22/09/2023
03.	RDS- APM 460 (SR NO.2871-DTG-2020)		23/03/2022	121, 33,12323

### **UV** Spectrophotometer

Sr No. Equipment Name Calibration	- 1
Leavement Mamo	- 1
MINICE I EUROPHICHE MAINE	
Lin House Calibration	•
01 UV	

## Fine Particulate Sampler (SR NO. 992-DTI-2020)

e date

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	FPS - APM 550 MINI	_	23/09/2022	22/09/2023
01	EL3 - WEIGI 200 IAIIIA			

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01. DT L14)		19/11/2022



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SEE DE

		AMBI	ENTA	IR QUA	LITY MONITORI	NG I	REPO	RT		
Rep	ort Date	01/10/2	022							
Name of Client M/s. Megawid C/o GMR Goa					tion DMCC ai Airport Limited					
Add	lress of Client	Mopa, G	Ott							
Sam	pling Plan	SEEPL/I	D/FM	r- 54	Sampling Procedur	re No		SEEPL/QSI	9-10	
Sam	iple Collected I	By SEEPLR	eprese	ntative						
Mor	ath of Sampling	g Septemb	er 202	2						
				AMBIEN	NT AIR LOCATION					
Loca	ation of ambie	nt air station	Nagz	ar(Goa St	ete) (G-A3)					
Ave	rage Ambient	Temperature (°C)	30.8	Averag	e Humidity (%)		68	Latitude	N 15°45'3	7.3"
Ave	rage Wind Spe	ed (km/hr)	1.4	Averag	e Wind direction (D	n (Deg)   221		Longitude	E 73053'14.22"	
Inst	ruments Used		FPS(	S(APM-550), RDS(APM-460) &GPS (APM - 411)						
Sr.	Date of	Report No.				PARAMETI		ERS		
No	Sampling	Report No.		PMte	PMzs	S	0,	NOx	CO	SPM
1	01/09/2022	SEE/AR/09/2022/	0003	16.87	5.84	<3	.00	<6.00	0.03	22.56
2	05/09/2022	SEE/AR/09/2022/	0042	18.02	6.94	<3	.00	<6,00	0.03	25.70
3	08/09/2022	SEE/AR/09/2022/	0061	23.31	8.44	<3	.00	<6.00	0.02	32.49
4	12/09/2022	SEE/AR/09/2022/	0245	20.75	7.90	<3	.00	<6.00	0.02	29.40
5	15/09/2022	SEE/AR/09/2022,	0333	15.70	8.48	<3	.00	<6.00	0.03	24.77
6	19/09/2022	SEE/AR/09/2022,	0389	20.82	5.28	<3	.00	<6.00	0.02	26.57
7	22/09/2022	SEE/AR/09/2022,	0474	18,63	5.70	<3	.00	<6.00	0.03	24.6
8	26/09/2022	SEE/AR/09/2022,	0524	18:28	5.65	<3	.00	<6.00	0.02	25,39
9	29/09/2022	SEE/AR/09/2022,	0604	75.48	22.33	4.	01	7.30	0.06	101.5
	NAA	QS Limits*		100	60		10	80	4	2.3
		Units		ug/m³	pg/m³	ug	/m²	ug/m²	mg/m³	ug/m
		Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	100	5182 rt 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 518

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test methods of analyzed parameters are back side of analysis report.

1)Akash Patrade Witten 2)Pandurang Gawas Analyzed by

Varsha Pole Reviewed by Anandeep Sawant Authorized Signatory

HEAD OFF, N. LAB 1: Plot No. 6-25, Hong No. 35, Alexan Honger Hoad, No. 1) C. Vanger Indoorses Area. Tracer - 200 034. Valuametric State, In-pla.

6-7 (81-72) 1535-3-391 (2005-328) (2005-328) (2005-3394 E-ma), programmeror (2006-2006) proud-based ground state.

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## Respirable Dust Sampler's with Gaseous Sampling

[	Sr No.		Certificate No.	Calibrated on	Calibration due date
		RDS- APM 460 (5R NO. 1719-DTI-2012)	LES-CCL/FF/MF/SC/1716	13/07/2022	12/07/2023

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
	UV	In House Calibration

### Hine Particulate Sampler (SR NO. 1114 L 21)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	ECt/SEEPL/2021-22/FLOW/3683	07/01/2022	07/01/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
D1	CO Analyzer (SR No. 01 DT 114)	20/11/2021	19/11/2022



3-206/LIT, Physica 61, Parel Earch, Res Magne, seven, Adv., Clif Settin Royal, Banks, President, Parel Gaz-123 151. Ger Mativ India. 71 (plittp);34+132) (24+132)\* Lood ; simiaconadjuniffusii.com

Law percedied by DOCK & Co. Voltage to N. C. 2023 a Combinately (Co. 0.014-2019 & 0.014-2019).

DOMESTICAL TRANSPORT SMITH.

		AMBI	ENT A	IR QUAL	JTY MONITORIN	IG R	EPO	RT		
Rep	ort Date	01/10/2	01/10/2022							
Nam	ne of Client		M/s. Megawide Construction DMCC C/o GMR Gos international Airport Limited							
Add	ress of Client	Mopa, Go	a							
Sam	pling Plan	SEEPL/I	D/FM	n- 54	Sampling Procedure	e No.		SEEPL/QSI	p-10	
Sam	ple Collected I	By SEEPL R	eprese	ntative						
Mon	th of Sampling	g Septemb	er ZO2	2						
				AMBIEN	IT AIR LOCATION					
Loca	ation of ambie	nt air station	Purv	a Casarvar	nem (Goa State)(G-	A4)				
Ave	rage Ambient	Temperature (°C)	30.5	Average	e Humidity (%)		67	Latitude	N 15041'4	1.9"
Ave	rage Wind Spe	ed (km/hr)	1.4	Average	Wind direction (D	eg)	265	Longitude	E 73°50′1.6.6"	
Inst	ruments Used		FPS(	S(APM-550), RDS(APM-460) &GPS (APM - 411)						
Sr.	Date of	Daniel He				PAR	AMET	ERS		
No	Sampling	Report No.		PMic	PMzz	S	02	NOx	CO	SPM.
1	01/09/2022	SEE/AR/09/2022/	0004	24.64	9.32	<3	00.	<6.00	0.05	30.12
2	05/09/2022	SEE/AR/09/2022/	0043	22.12	8,17	<3	.00	<6.00	0.03	30.76
3	08/09/2022	SEE/AR/09/2022/	0062	16.74	6.21	<3	.00	<6.00	0.02	23.73
4	12/09/2022	SEE/AR/09/2022/	0246	18.98	5.35	<3	.00	<6,00	0.03	24.40
5	16/09/2022	SEE/AR/09/2022/	0353	16.46	6.85	<3	.00	<6.00	0.03	23,35
6	19/09/2022	SEE/AR/09/2022/	0390	32.11	9,48	<3	00.	<6.00	0.05	41.56
7	22/09/2022	SEE/AR/09/2022/	0475	29.42	7.26	<3	.00	<6.00	0.02	37.15
0	26/09/2022	SEE/AR/09/2022/	0525	23.63	5.72	<2	.00	<6.00	0.03	29.65
9	29/09/2022	SEE/AR/09/2022/	0605	19.18	12.07	<	.00	<6.00	0.02	31.49
	NAA	QS Limits*		100	60	1	30	80	4	7
		Units		μg/ m³	µg/m³	μg	/m <sup>2</sup>	µg/m³	mg/m³	µg/m
	, and the second	Method		IS 5182( Part 23)	Lab SOP NO: SEE/LD/SOP-AA-DA		5182 rt 02)	(S 5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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: Test results relate only to the condition prevailing at the time of sampling

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1)Akash Pattade Mot 2)Pandurang Gawas

Analyzed by

Varsha Pole

Reviewed by

Arrandeep Sawani Authorized Signatory

### Respirable Dust Sampler's with Gaseous Sampling

ı	Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	01	RDS- APM 460 (SR NO.2893-DTJ-2020)	LES-CCL/FF/MF/5C/1305	24/09/2021	23/09/2022

				<del>/</del>
Sr No.	Equipment Name	Certificate No.	Calibrated on	Callbration due date
01	RDS- APM 460 (SR NO.2893-DTJ-2020)		23/09/2022	22/09/2023

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 983-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3770	24/09/2021	23/09/2022

				<del></del>
Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MIN1	-	23/09/2022	22/09/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 OT L14)	20/11/2021	19/11/2022



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		AMB	ENT A	UR QUAL	ITY MONITORIN	IG RE	PO	RT		
Rep	ort Date	01/10/2	022							
Name of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited										
Add	iress of Client	Mopa, Go	na arc							
Sam	pling Plan	SEEPL/L	D/FM1	54	Sampling Procedure	No.		SEEPL/QSP-1	U	
Sam	ple Collected I	By SEEPLR	eprese	ntative						
Mor	ith of Sampling	g Septemb	er 202	2	-					
				AMBIEN	IT AIR LOCATION					
Loca	ation of amble	nt air station	Khajr	ie Amere P	Porscodem (Goa Stat	te) (G-/	(5)			
Ave	rage Ambient	Temperature (PC)	30.4	Average	Humidity (%)	6	6	Latitude	N 15º40'3	8.0"
Ave	rage Wind Spe	ed (km/hr)	1.3	Average	Wind direction (De	g) 2	13	Longitude	E 73446'2	1.2"
Inst	ruments Used		FPS[/	PS(APM-550), RDS(APM-460) &GPS (APM-411)						
Sr.	Date of	-				PARAM	TET	ERS		
No	Sampling	Report No.		PM <sub>10</sub>	PM <sub>2.5</sub>	SO		NOx	00	SPM
1	01/09/2022	SEE/AR/09/2022/	0005	14.60	5.23	<3.0	0	<6.00	0.02	19.87
2	05/09/2022	SEE/AR/09/2022/	0044	11.49	6.36	<3.0	C	<6.00	0.03	17.93
3	08/09/2022	SEE/AR/09/2022/	0063	27.32	5.11	<3.0	σ.	<6.00	0.02	28.56
4	12/09/2022	SEE/AR/09/2022/	0247	16.28	7,32	<3.0	a	<6.00	0,03	23.88
5	15/09/2022	SEE/AR/09/2022/	0335	21.43	6,99	<3.0	0	<6.00	0.02	28.85
6	19/09/2022	SEE/AR/09/2022/	0391	27.54	8.65	<3.0	0	6.34	0.03	35.32
7	22/09/2022	SEE/AR/09/2022/	0476	30,83	11.48	<3.0	0	<6.00	0.02	42.59
0	26/09/2022	SER/AR/09/2022/	0526	23.94	5.16	<3.0	0	<6.00	0.03	29.67
9	29/09/2022	SEE/AR/09/2022/	0606	54.48	20.09	8.2	7	7.54	0.1.1	202.11
	NAA	Q5 Limits*		100	60	80	1	80	4	6.00
		Units		1027 m3	µg/m¹	ug/r	n <sup>3</sup>	ug/m³	mg/m³	μg/m³
		Method		IS 5182( Part 23)	Lati SOP NO.: SEE/LD/SOP-AA-D4	IS 51 (Part		19.5182 (Part 06)	IS 5182( Part 10)	IS 5182 Part (V)

#### \*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Akash Pattade Automatical Pandurang Gawas Analyzed by

Varsha Pole Reviewed by Anandeep Sewant Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

Sr No.		Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 (SR NO.2892-DTJ-2020)	LES-CCL/FF/MF/SC/1309	24/09/2021	23/09/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
31 100	Z-q-o-p-in-o-in-o-in-o-in-o-in-o-in-o-in-o-	<del></del>		22/20/222
01	RDS- APM 460 (SR NO,2892-DTJ-2020)	. –	23/09/2022	<i>4.14\t</i> 00/2023
 0.6	I DODE WE BE ACCEDING TACKED IN WAWAL		. ·····- <del>/</del> · <del>-</del>	L

### **UV Spectrophotometer**

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

### Fine Particulate Sampler (SR NO. 1119 A 22)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	ECL/SEEPL/2021-22/FLOW/3682	07/01/2022	07/01/2023

Sr Na.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



8-309/Styl Process Rt., Panel Emple, Wate Gargos, Values, Pale De Broth Frank, Bartier, Palvores, Physician 465 101 Few Street India: 47 (105.32) 5411-562 / 3411-523 € E-war : etalutopación cilhopicon

Introduction by Abd F. A. Dic Valle up to MS 11 2022 + Carbifold by 100 MRS 2005 by 1921 (ASS - 2015)

SWILLIE SWILLIE

		AME	HENT!	AIR QUAL	ITY MONITORIN	NG REP	ORT		
Rep	ort Date	01/10,	2022						
Nan	na of Client			e Construct	ion DMCC al Airport Limited				
Add	ress of Client	Мора,	loa						
Sam	pling Plan	SEEPL	LD/FM	T-54	Sampling Proces	dure No.	SEEPL/QS	P-10	
Sam	ple Collected	By SEEPL	Represe	entative					
Mor	th of Sampling	g Septen	ber 20	22					
		4		AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt nir station	Rajv	ii Wada To	rxem (Goa State)(G	-A6)			
Ave	rage Ambient	Temperature (°C)	30.5	Average	Humidity (%)	68	Latitude	N 15048'	10.0"
Ave	rage Wind Spe	ed (km/hr)	1.4	Average	Wind direction (De	g) 217	Longitude	E 73052'S	0.2°
Instruments Used FPS(APM-550), RDS(APM-460) &GPS (AP				PS (APN	(-411)				
Sr.	Date of	Married Ma				PARAM	ETERS		
No	Sampling	Report No		PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM
1	01/09/2022	SEE/AR/09/202	/0006	20.61	6.28	<3.00	<6.00	0.03	27.62
2	05/09/2022	SEE/AR/09/202	/0045	21.34	7.40	<3.00	<6.00	50.0	29.38
3	08/09/2022	SEE/AR/09/202	/0064	19.97	5.49	<3.00	<6.00	0.03	25.67
4	12/09/2022	SEE/AR/09/202	2/024B	17.08	7.40	<3.00	<6.00	0.03	24,80
5	15/09/2022	SHE/AR/09/202	/0336	20,47	6.24	<3.00	<6.00	0.02	27.42
6	19/09/2022	SEE/AR/09/202	/0392	25.06	5.41	<3,00	<6.00	0.02	30.80
7	22/09/2022	SEE/AR/09/202	/0477	38.05	9,90	4.06	6.47	0.05	48.82
8	26/09/2022	SEE/AR/09/202	/0527	24.92	6.11	<3.00	<6.00	0.03	31.69
9	29/09/2022	SEE/AR/09/202	/0607	14.14	7.98	<3.00	<6.00	0.02	22.42
	NAA	QS Limits*		100	60	80	80	4	145
		Units		ug/m²	ug/m³	µg/m³	µg/m²	mg/ma	1197m
		Method		IS 5182( Part 23)	Lab SOP NO.; SEEAD/SOP-AA-04	IS 5182 (Part 02	IS 5182 (Part	IS 5182( Part 10)	IS 5182 Part IV

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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Varsha Pole Reviewed by Analydeep Sawant Authorized Signatory

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## Respirable Dust Sampler's with Gaseous Sampling

			·····	
Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
	RDS- APM 460 (SR NO.2891-DTJ-2020)	LES-CCL/FF/MF/SC/1306	24/09/2021	23/09/2022

٦	r No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
1		RDS- APM 460 [SR NO.2891-DTJ-2020]	-	23/09/2022	22/09/2023

## UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	IV	In House Calibration

## Fine Particulate Sampler (SR NO. 298-DTJ-2014)

			A	Calibrated on	Calibration due date
l	Sr No.	Equipment Name	Certificate No.		
	01	FPS - APM 550 MINI	EI/FF/3539	18/02/2022	17/02/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



O 500/307, Pot No. 81. Famil Europe, How Magnet, Volume Adv. Obl. Histor. Plant. Democ Printing Plant And Sot. Goi Ship, india. 47 - (0607) 34113227 2411323 \* Eonai : shinhiligan@redilbrail.com

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		AMB	ENTA	IR QUAL	ITY MONITORIN	IG RE	PORT			
Rep	ort Date	01/10/2	2022							
Nan	ne of Client		6.0	Construct	ion DMCC d Airport Limited					
Add	lress of Client	Mopa, G	021							
Sam	ipling Plan	SEEPL/	D/FM	r-54	Sampling Proces	fure No	SEEPL/QS	P-10		
San	ple Collected	By SEEPLE	eprese	ntative						
Mor	th of Sampling	g Septem	er 202	2						
				AMBIEN	T AIR LOCATION					
Loc	ation of amble	nt air station	Satar	da(Mahar	ashtra State](M-A1)					
Ave	rage Ambient	Temperature (9C)	30.6	Average	Humidity (%)	68	Latitude	N15º43'0	1.3"	
Ave	rage Wind Spe	ed (lm/hr)	1.6	Average	Wind direction (De	g) 23	6 Longitude	E 73046'0	0.2"	
Inst	ruments Used		FPS(	APM-550),	RD5(APM-460) &G	PS (AP	M-411)			
Sr.	Date of	Decide No.				PARA	ETERS			
No	Sampling Report No			PM <sub>to</sub>	PM <sub>2.9</sub>	SO <sub>2</sub>	NOx	co	SPM	
1	01/09/2022	SEE/AR/09/2022	/0007	18.34	5.08	<3.0	<6.00	0.02	23.40	
2	05/09/2022	SEE/AR/09/2022	70046	12.86	5.24	<3.0	<6.00	0.03	18.50	
3	08/09/2022	SEE/AR/09/2022	70065	14.92	5.49	<3.0	<6.00	0.02	20.89	
4	12/09/2022	SEE/AR/09/2022	/0.249	16.07	6.74	<3.0	<6.00	0.03	23.01	
5	15/09/2022	SEE/AR/09/2022	/0337	13.38	7.61	<3.0	< 6.00	0.02	22.03	
6	19/09/2022	SEE/AR/09/2022	/0393	14.35	8.11	<3.0	< 6.00	0.02	22.96	
7	22/09/2022	SEE/AR/09/2022	/0478	20.40	5.24	<3.0	<6.00	0.03	27.60	
0	26/09/2022	SEE/AR/09/2022	/0528	22.35	5.99	<3.0	<6.00	0.03	28.36	
9	29/09/2022	SEE/AR/09/2022	/0608	16.49	B.86	<3.0	< 6.00	0.02	26.91	
	NAA	QS Limits*		100	60	80	80	4	-	
		Units		ug/m³	µg/m³	µg/n	p ug/m²	mg/m²	µg/m	
	- 0	Method		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 51 (Part C	The second of th	IS 5182( Part 10)	IS 5182 Part IV	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

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1)Akash Pattade (A) 2)Pandurang Gawas

Analyzed by

Varsha Pole Reviewed by

Anandeep Sawant Authorized Signatory

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Page 446 of 567

Sr No.	Equipment Name	Certificate No.	Calibrated on	Callbration due date
		LES-CCL/FF/MF/SC/1715	13/07/2022	12/07/2023

## UV Spectrophotometer

Ī	Sr Na.	Equipment Name	Calibration
- 1	01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 980-DTI-2020)

Srt	No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	141	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3770	24/09/2021	23/09/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI		23/09/2022	22/09/2023

Sr No.	instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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SPAR LINE

	AMBIENT AIR QUA	LLITY MONITORING REPO	RT		
Report Date	01/10/2022	01/10/2022			
Name of Client	M/s, Megawide Constru C/o GMR Goa Internatio				
Address of Client	Mopa, Goa				
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.	SEEPL/QSP-10		
Sample Collected By	SEEPL Representative				
Month of Sampling	September 2022				

	-	AIVIBIENT AIR LOCATION			
Location of ambient nir station Dingna(Maharashira State)(M-A2)					
Average Ambient Temperature (°C)	30.1	Average Humidity (%)	65	Latitude	N 15º46'12.3"
Average Wind Speed (km/hr)	1.2	Average Wind direction (Deg)	216	Longitude	E 73049'20.5"
Instruments Used	FPS(APM-550), RDS(APM-460) &GPS (APM - 411)				

Sr.	Date of Sampling	Raport No.	PARAMETERS					
No			PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NOx	CO	SPM
1	01/09/2022	SEE/AR/09/2022/0008	21.08	7.14	<3.00	<6.00	0.03	29.15
2	05/09/2022	SHE/AR/09/2022/0047	18,42	7.03	<3.00	<6.00	0.02	25.82
.3	08/09/2022	SEE/AR/09/2022/0066	23,34	5,82	<3.00	<6.00	0.03	29,65
4	12/09/2022	SEE/AR/09/2022/0250	15.81	7.90	<3.00	<6:00	50,02	24,36
5	15/09/2022	SEE/AR/09/2022/0338	14.65	6.74	<3.00	<6.00	0.03	21.86
6	19/09/2022	SEE/AR/09/2022/0394	35.02	9.52	<3.00	6.28	0.02	45.25
7	22/09/2022	SEE/AR/09/2022/0479	18.05	5.36	<3.00	< 5.00	0.03	24,14
8	26/09/2022	SBE/AR/09/2022/0529	14.12	5.61	<3.00	<6.00	0.02	20.33
9	29/09/2022	SEE/AR/09/2022/0609	16.08	5.20	<3.00	<6.00	0.03	21.07
	NAA	QS Limits*	100	60	80	80	4	
Units Mathod		μg/ m <sup>3</sup>	µg/m³	µg/m³	ng/m³	mg/m <sup>1</sup>	Lig/m³	
		IS 5182( Part 23)	Lab SOP NO.: SEE/LD/SOP-AA-04	IS 5182 (Part 02)	IS 5182 (Part 06)	IS 5182( Part 10)	IS 5182( Part IV)	

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested,

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report.

1)Akesh Pattade M. Mas 2)Pandurang Gawas

Analyzed by

Versha Pole

Reviewed by

Anangeep Sawani Authorized Signatory

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## Calibration details of Equipment used for Sampling $\ensuremath{\mathbb{K}}$ Analysis

### Respirable Dust Sampler's with Gaseous Sampling

Sr No. Equipment Name			Certificate No.	Calibrated on Calibration due dat		
			ECL/SEEPL/202122/FLOW/3668	07/01/2022	07/01/2023	

### UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	UV	In House Calibration

## Fine Particulate Sampler (SR NO. 01-DTK-2011)

Sr No.	Equipment Name	Certificate No.	Calibrated on Calibration due date		
01		EI/FF/3543	1B/02/2022	17/02/2023	

	· · · · · · · · · · · · · · · · · · ·		<del></del>
Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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		AMB	ENT A	IR QUAL	ITY MONITORIN	IG REPO	ORT		
Rep	ort Date	01/10/	2022						
	ame of Client M/s. Megawide Construction DMCC C/o GMR Goa international Airport Limited								
Add	ress of Client	Mopa, C							
Sam	pling Plan	SEEPL/	LD/FM	r-54	Sampling Proced	lure No.	SEEPL/QSI	2-10	
Sam	ple Collected I	By SEEPLI	leprese	ntative					
Mor	ith of Sampling	g Septem	ber 202	2					
				AMBIEN	T AIR LOCATION				
Loca	ation of ambie	nt air station	Neta	rde (Mahar	ashtra State)(M-A3	)			-
Ave	rage Ambient	Temperature (°C)	31.0	Average	Humidity (%)	67	Latitude	N 15046'1	
Ave	rage Wind Spe	ed (km/hr)	1.5		Average Wind direction (Deg) 254			Longitude E 73950'48.0"	
Inst	ruments Used		FPS(	APM-550),	RDS(APM-460) &G	PS (APM	-411)		
Sr.	Date of	Report No.				PARAME			-
No	Sampling	(inpost tio		PM <sub>10</sub>	PM <sub>2.5</sub>	50;	NOx	CO	SPM
1	01/09/2022	SEE/AR/09/2022	/0009	14:23	5.04	<3.00	<6.00	0.02	19.69
2	05/09/2022	SEE/AR/09/2022	/0048	26.24	5.82	<3.00	<6,00	0.03	32.07
3	08/09/2022	SEE/AR/09/2022	/0067	22.49	6.45	<3.00	<6.00	0.02	29.36
4	12/09/2022	SEE/AR/09/2022	/0251	16.69	6.20	<3.00	<6.00	0.03	22.97
5	15/09/2022	SEE/AR/09/2022	/0339	20.60	5.28	<3.00	<6.00	0:03	26.13
6	19/09/2022	SEE/AR/09/2022	/0395	7.3.83	6,53	<3.00	<6.00	0.02	30.49
7	22/09/2022	SEE/AR/09/2022	/0480	33.95	9,65	<3.00	<6,00	0.05	44.27
B	26/09/2022	SEE/AR/09/2022	/0510	15.16	7.82	<3.00	<6.00	0.03	23.65
9	29/09/2022	SEE/AR/09/2022	/0611	18.39	10,44	<3.00	<6.00	0.02	29.17
	NAA	QS Limits*		100	60	80	80	4	9
		Units		µg/ m³	μg/m³	µg/m³	ug/m <sup>3</sup>	mg/m³	µg/m³
Method		IS 5182( Part 23)	Lab SOP NO.: SEEA D/SOP-AA-04	(Part 02)	IS 5182 (Part 06)	19.5162( Part 10)	IS \$182 Part IV		

\*NATIONAL AMBIENT AIR STANDARDS (2009)

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

: Test methods of analyzed parameters are back side of analysis report.

1)Akash Pattade Wattack. 2)Pandurang Gawas Gastal

Analyzed by

Varsha Pole Reviewed by

Anarldeep Sawant Authorized Signatory

## Respirable Oust Sampler's with Gaseous Sampling

Sr No.	Equipment Name	Certificate No	Calibrated on	Calibration due date
	PDS_APM 460 (SR NO. 1902-DT)-2014)	LES-CCL/FF/MF/SC/1719	13/07/2022	12/07/2023

### **UV Spectrophotometer**

		- <del></del>
Fr. M.s.	I	Calibration
Sr No.	Equipment Name	
01	UV	In House Calibration
LUL	V *	

## Fine Particulate Sampler (SR NO. 977-DTI-2020)

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
01	FPS - APM 550 MINI	LES-CCL/FF/RF/SC/3769	24/09/2021	23/09/2022

Sr No.	Equipment Name	Certificate No.	Calibrated on	Calibration due date
D1	FPS - APM 550 MINI	-	23/09/2022	22/09/2023

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	CO Analyzer (SR No. 01 DT L14)	20/11/2021	19/11/2022



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Lab according by MrEF & OC Valid up to 83.11.2023 # Cerefina by ISO 9801-2015 & 650-45001 1.2018.

	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/09/2022/0252	Date of I	ssue	17/09/202	2
Name of Client	M/s. Megawide Construction C/o GMR Goa International			11	
Address of Client	Mopa, Goa				
Sample Collected By	SEEPL Representative	1	Environmen	tal condition of Lab	
Date of Sampling	12/09/2022	Temperature(°C)	28.2	Humidity (%)	65
Analysis Started On	15/09/2022	Analysis Complete	ed On	17/09/2022	
Analysis Started On	15/09/2022	Analysis Complete	ed On	17/09/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	Mopa Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method	
01.	Total VOC	<1.0	ppm	Method 18	

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Anarideep Sawant Authorized Signatory

ICEAD OFF, & LAB. J. Pki, No. A.35. Royal No. 18, Kisan Nagar Road. M. LD.C. Weeks industrial Area. Those - 400 6544 Mesoparation store, force. (Ø1: (Ø1:22) 2560-3521 / 2560-3522 / 2

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310 Dempo freeze, EDC Pano, Panay-40x 001, Goa State, India of 19032) 437048 / 253/164

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### Organic Vapour Sampler

					<del></del>	
1	Sr No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
- 1	<del>*,</del>			EI/FF/3523	18/02/2022	17/02/2023
	01	OVS Sampler	101-DTD-2014	E01170000		I.,



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List accredited by MoEF & CC Valid up to 83.11 2003 & Certified by ISO 5001:2016 5 ISO 45001 - 2018.

	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/09/2022/0253	Date of	ssue	17/09/202	2
Name of Client	M/s. Megawide Construction C/o GMR Goa International				
Address of Client	Mopa, Goa				
Sample Collected By	SEEPL Representative		Environmen	ital condition of Lab	
Date of Sampling	12/09/2022	Temperature(°C)	28.2	Humidity (%)	65
Analysis Started On	15/09/2022	Analysis Complete	ed On	17/09/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	HSD Bunk (Inside Mopa Airport Premises)
Instruments Used	Organic Vapour Sampler

### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Susmita Kapdoskar Analyzed by

Varsha Pole Reviewed by Anangeep Sawant Authorized Signatory

HEAD OFF, & LAB : Plot No. A-35, Wood No. Tr. Kessn Finger Rone, M FEEC, Wager Internal Area, There - 4.03 Std. Mahayestha Store, India. St. (91-22) 2583-3521 / 2583-3522 / 2583-3522 / 2583-3524 • E-mail: professionaring the store of pasternaring post.

Operation By Ministry of Environment, Funet & Climate Change, Gord Of India, S. O. 697 (C)

BRANCH OFF. : 310, Dampo Towara, EDC Forto, Paragi-403 001, God State, India (7): (0832) 2437048 / 2437154

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## Organic Vapour Sampler

St No.	Equipment Name	Sr. No.	Certificate No.	Calibrated on	Calibration due date
01	OVS Sampler	24-DTD-2016	EI/FF/3524	18/02/2022	17/02/2023



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Life accredited by MAEF & CC Valle up to 03.11.2027 # Certified by ISC 9001-2015 # ISC 45001 (2016)

	AMBIENT AIR QUA	ALITY MONITORING	REPORT		
Report No.	SEE/AR/09/2022/0254	SEE/AR/09/2022/0254 Date of Issue 17/09/2022			2
Name of Client	M/s. Megawide Construction C/o GMR Gos internationa				
Address of Client	Mops, Goa				
Sample Collected By	SEEPL Representative		Environmen	tal condition of Lab	E
Date of Sampling	12/09/2022	Temperature(PC)	28.2	Humidity (%)	65
Analysis Started On	15/09/2022	Analysis Complete	ed On	17/09/2022	

#### AMBIENT AIR LOCATION

Location of ambient air station	Shemecheadvan Boundary (Goa State)
Instruments Used	Organic Vapour Sampler

### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Unit	Method
01.	Total VOC	<1.0	ppm	Method 18

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling.

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Susmita Kapdoskar Analyzed by Varsha Pole Reviewed by

Anancaep Sawant Authorized Signatory

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E-mail : and skarein vio Child from Com \* Website : www.subckareinsto.com \* Gin - Data Resident Hose Partin 1999

### Organic Vapour Sampler

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Sr No.	Equipment Name	Sr. No.	Cartificate No.		Calibration due date
01		101-DTD-2014	EI/FF/3523	18/02/2022	17/02/2023



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	NOISE LEVI	EL MONITORING RE	PORT		
Report No.	SEE/AR/09/2022/0396-0397, 0661, 0611, 0658, 0576, 0660		Date of Issue	04/1C/2022	
Name of Client	M/s, Megayride Construction DMCC C/s GMR Gos international Airport Limited				
Address of Client	Mopa, Gos	Mopa, Gos			
Sample Collected By	SEEPL Rapresentative	SEEPL Rapresentative			
Sampling Plan	SEEPL/LD/FMT-54	Sampling Pro	cedure No.	SEEPL/QSP-10	

Chemical Testing - Almospheric Pollution

Sr.	Date of	Report No.	Statio	Zo	Sampling Location	100000	oy Time se in dB(	A)		light Time Ise in dB	
No	Monitoring	1342-017131	nID	nα		Lmin.	Lmax	Lag	Lmin	Lmux	Leg
1.	19/09/2022	SEE/AR/09/2022/0396	G-N1	1	Moga Boundary	30,0	72.3	56.6	30.0	71.8	51.5
2	19/09/2022	SEE/AR/09/2022/0397	G-N2	ì	Shemecheadvan Boundary	30.1	71.7	57.5	30.0	73.4	54.2
3.	25/09/2022	SEE/AR/09/2022/0503	G-N3	c	Nagzar	30.2	89:8	52.3	30.4	68.9	49.4
4.	25/09/2022	SEE/AR/09/2022/0504	G-N4	R	Purvo Cosarvanom	30,1	60.8	47.4	30.0	58.9	38.9
5,	29/09/2022	SEE/AR/09/2022/0612	G-N5	R	Chandel	30.2	70.4	43,2	30.2	63,2	39,6
6.	30/09/2022	SEE/AR/09/2022/0661	G-NB	R	Khajne Amere Persoodern	30.0	73,4	48.4	30.6	60,4	29.5
7	29/09/2022	SEE/AR/09/2022/0611	G-N7	R	Warkhand	30,3	68.5	43.2	31,0	63,3	39.7
8.	27/09/2022	SEE/AR/09/2022/0556	G-NB	C	Rajvi Wada Torxon	30,3	72.4	51.3	30,3	66.6	45:7
3	28/09/2022	SEE/AR/09/2022/0576	G-N9	C	Village Panchayat Tamboxem -Mopa- Ugvern	30.0	68.9	55.2	30/1	68.4	47.3
10.	30/09/2022	SEE/AR/09/2022/0662	M-N1	R	Satarda	30.1	67,4	43.1	30.0	55.3	36.5
11.	28/09/2022	SEE/AR/09/2022/0577	M-N2	R	Dingoa	30.3	\$8.5	45.5	30.0	57,A	38.8
12.	27/09/2022	SEE/AR/09/2022/0557	M-N3	R	Netande	30.0	60.6	45.8	30.2	69,5	38.

I - Industrial Zone, C - Commercial Zone, R - Residential Zone

Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Area Coder	Category of Area	Limits in c	(B(A) Leq
ARE COUR	Omnibotà or Wield	Day Time	Night Time
(A)	Industrial Area (1)	75	70
(8)	Commardal Area ( C )	65	55
(C)	Residential Area ( R )	55	45
(D)	Silence Zone (S)	50	40

Day time is reckaned in between 6.00am to 10.00pm and night line is reckaned in between 10.00pm to 6.00am.

"dB(A) Leg denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leg, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Lag. It is the energy mean of the noise level over a specified period

Note: Monitoring has been done as per GPCB protocol for Ambient Level Noise Monitoring 2015.

: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Sanjivan Gawas Monitored by

arsha Pole

Reviewed by

Manteep Sewant Authorized Signatory

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## Calibration Details of Equipment used for Sampling

## Noise Level Meter No.1(A0913-1393)

Ca No Liquipos	ent Name Calibration	Certificate No. Cal	librated on	Calibration due date
Sr No.   Equipme	2614 14811112		103 (2027	22/07/2023
01 Noise Le	vei Meter   LES-CCL/M	ECH/SLM/563 <u>23/</u>	/07/2022	ZZ[01]Z0Z3

### Noise Level Meter No.2 (A0114-1408)

			<u></u>	
Sr No.	Equipment Name	Calibration Certificate No.	Calibrated on	Calibration due date
	Z-q-z-y-	LES-CCL/MECH/SLM/561	23/07/2022	22/07/2023
01	Noise Level Meter	FE2-CCFMAGCUA2CIAA2CX	23/07/2024	



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	STACK EN	MISSION REPORT			
Report No.	SEE/AR/09/2022/0586	Date of Issu	6	04/10/2022	
Name of Client	M/s. Megawide Construction DMCC C/o GMR Gos international Airport Limited				
Address of Client	Mopa, Goa	Mopa, Goa			
Sampling Plan	SEEPULD/FMT- 54	SEEPULD/FMT- 54 Sampling Procedure No.		SEEPL/QSP-10	
Sample Collected By	SEEPL Representative	Environmental condition of lab			
Date of Sampling	29/09/2022	Temperature(°C)	27.9	Humidity (%)	67
Analysis Started On	29/09/2022	Analysis Completed On		04/10/2022	

#### STACK DETAILS

Attached To	Diesel Generator (500 KVA) (Sr. No.3323-111-7)
Shape	Round
Diameter	0.20 Mtr
Height From Ground Level	8.0 Mtr
Material of Construction	M.S.
Temperature	332 °C
Velocity of Flue Gases	9.84 m/sec
Volumetric Flue Gas Flow Rate	1112,31 m²/neur
Volumetria Flue Gas Flow Rate	547.33 Nm <sup>3</sup> /hour
Type of Fuel	H.S.D.
Fuel Consumption	48.00 lithir
Load	380.00 KVA (76%)

Chemical Testing - Atmospheric Pollution

Sr. No.	Parameter	Result	Limits**	Unit	Method
01.	SO <sub>7</sub>	0.10	2.1	Kg/hour	IS 11255(Part II)
02.	NOx	0.15	9.2	g/kw-hr	IS 11255(Part VII)
03.	Carbon Monoxide	0.09	3.5	g/kw-hr	By Flue Gas Analyzer
04.	Hydrocarbons	0.06	1.3	g/kw-hr	By Flue Gas Analyzer
05.	Particulate Matter	0.15	0.3	g/kw-hr	IS 11255 (part I)

#### "Consent No.12/2020-PCB/510173/O0004024

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Pandurang Gawas Analyzed by

Varsha Pole Reviewed by

Anaddeep Sawant Authorized Signatory

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## Stack Kit (SR No.293 DTI-2020)

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	Vayubodhan (VSS-1)	18/12/2021	17/12/2022

## UV Spectrophotometer

Sr No.	Equipment Name	Catibration
01	UV	In House Calibration

### FLUE GAS ANALYSER

				Calibration due date
Sr No.	I Instrument Type	Certificate No.	Calibrated on	Calibration due date
01	Flue-Gas Analyser	ATS/2393	15/02/2022	14/02/2023
	(Sr. No.20190427206A)			]



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Lab committee by Mini F 5 CC Vantage to 03 T1 2023 # Contractly (SD 9001 2013 6 ISO 45501 1276

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	STACK EN	MISSION REPORT			
Report No.	SEE/AR/09/2022/0585	Date of Issu	Date of Issue		
Name of Client	Ws. Megawide Construction C/o GMR Goa international	Ws. Megawide Construction DMCC C/o GMR Goa international Airport Limited			
Address of Client	Mepa, Goa				
Sampling Plan	SEEPLILD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10	
Sample Collected By	SEEPL Representative	E	vironmer	ntal condition of lab	
Date of Sampling	29/09/2022	Temperature(°C)	27.9	Humidity (%)	67
Analysis Started On	29/09/2022	Analysis Complete	d On	04/10/2022	

#### STACK DETAILS

Attached To	Diesel Generator (KOHLER-500 KVA) (Near ACC Plant)(Sr. No. 33N3INFR0001)
Shape	Round
D/ameter	0.20 Mtr
Height From Ground Level	6.70 Mtr
Material of Construction	M.S.
Temperature	298 °C
Velocity of Flue Gases	5.64 m/sec
Volumetric Flue Gas Flow Rate	537.55 m³/hotir
Volumetric Flue Gas Flow Rate	332.52 Nm <sup>2</sup> /hour
Type of Fuel	H.S.D
Fuel Consumption	20.00 lit/hr
Load	200,00 KVA (40%)

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameter	Result	Limits**	Unit	Method
07.	SO <sub>2</sub>	0.10		Kg/hour	IS 11255(Part II)
02.	NOx	0.12	9.2	g/kw-hr	IS 11255(Part VII)
03,	Carbon Monoxide	0.10	3.5	g/kw-hr	By Flue Gas Analyzer
04.	Hydrocarbons	0.05	1.3	g/kw-hr	By Flue Gas Analyzer
05.	Particulate Matter	0.13	0.3	g/kw-hr	IS 11255 (part I)

\*\*As per Sr. No.94,95 and 96 of Schedule | of The Environmental (Protection) rule 1986

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Varsha Pole Reviewed by

Anaffleep Sawant Authorized Signatory

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210 Dirrepts Towers, EDC Partie, Partid-403 CO.; Gear-State, India (\*) (0822) 2437940 (243716) E-mail: sudekarnoviro@cadifirmal.com \* Wassallis - mais sadospramidro.com \* CA1 - 0/45/20169-11996970

## Stack Kit. (SR No.293 DTI-2020)

	Sr No.	Instrument Type	Calibrated on	Calibration due date
-	01	Vayubodhan (VSS-1)	18/12/2021	17/12/2022

## UV Spectrophotometer

Sr No.	Equipment Name	Calibration
01	W	In House Calibration

### FLUE GAS ANALYSER

				Callburd on Also doto
Sr No.	Instrument Type	Certificate No.	Calibrated on	Calibration due date
01	Flue-Gas Analyser	ATS/2393	15/02/2022	14/02/2023
	(Sr. No.20190427206A)			<u>                                     </u>



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Lith accredited by Mod F & CC Valid up to 83.11.2625 # Cartified by ISO 9001-2015 & ISO 46001 : 2018

	STACK EM	ISSION REPORT			
Report No.	SEE/AR/09/2022/0583	Date of Issu	10	04/10/2022	
Name of Client		M/s. Megawide Construction DMCG C/o GMR Gos International Airport Limited			
Address of Client	Mopa, Goa				
Sampling Plan	SEEPL/LD/FMT- 54	PL/LD/FMT-54 SEEPL/LD/FMT-54 SEEPL/LD/FMT-54			54
Sample Collected By	SEEPL Representative	Е	nvironmer	ntal condition of lab	
Date of Sampling	29/09/2022	Temperature(°C)	27.9	Humidity (%)	67
Analysis Started On	29/09/2022	Analysis Complete	d On	04/10/2022	

#### STACK DETAILS

Attached To	Hot Mix Plant - Linnhoff (180 TPH)
Shape	Rectangular
Dimension	1.0 x 0.90 Mtr
Height from Ground Level	15.00 Mtr
Temperature	79 °C
Velocity of Flue Gases	11.86 m/sec
Volumetric Flue Gas Flow Rate	38426.40 m³/hour
Volumetric Flue Gas Flow Rate	32517.91 Nm2/hour

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Limits**	Unit	Method
01.	SO <sub>2</sub>	0.68	1.62	Kg/hour	IS 11255(Part II)
02	Particulate Matter	93.50	150.00	mg/Nm <sup>3</sup>	IS 11255 (part I)

#### \*\*Consent No.12/2020-PCB/510173/O0004024

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Varsha Pole Reviewed by

Ariandeep Sawant Authorized Signatory

## Stack Kit. (SR No.293 DTI-2020)

Sr No.	Instrument Type	Calibrated on	Calibration due date
01	Vayubodhan (VSS-1)	18/12/2021	17/12/2022

### FLUE GAS ANALYSER

Sr No.	Instrument Type	Certificate No.	Calibrated on	Calibration due date
01	Flue-Gas Analyser	ATS/2393	15/02/2022	14/02/2023
	(Sr. No.20190427206A)			



E-309007, Pot No. 11, Palet Conte. Rois Magos, Veren, Ata, Old Bellin Road, Breder, Porvore, Panal-Goo-405 101. Goa Stein, India. (Ö.: (0832) 2411327 / 2017333 # E-mail: startubgoodbradifimali.com

SHIP HERE SPANIFE

Lab accredition by McEF & CC Value up to 03 11 2021 + Certified by ISO 6001 2015 & ISO 45001 : 2018

	STACK EM	ISSION REPORT					
Report No.	SEE/AR/09/2022/0584	Date of Issu	Date of Issue				
Name of Client	M/s, Megawide Construction DMCC C/o GMR Goa international Airport Limited						
Address of Client	Mopa, Goa						
Sampling Plan	SEEPL/LD/FMT- 54	SEEPL/LD/FMT- 54		SEEPL/LD/FMT-54			
Sample Collected By	SEEPL Representative	Environmental condition of lab					
Date of Sampling	29/09/2022	Temperature(*C)	27.9	Humidity (%)	67		
Analysis Started On	29/09/2022	Analysis Completed On		04/10/2022			

#### STACK DETAILS

Attached To	Hot Mix Plant - Ammann (120 TPH)	
Shape	Round	
Dimension	0.78 Mb	
Height from Ground Level	15.00 Mtr	
Temperature	71 9C	
Velocity of Flue Gases	15:24 m/sec	
Volumetric Flue Gas Flow Rate	26214.02 m³/hour	
Volumetric Flue Gas Flow Rate	22599,21 Nm³/hour	

#### Chemical Testing - Atmospheric Pollution

Sr. No.	Parameters	Result	Limits**	Unit	Method
01.	SO <sub>2</sub>	0.60	1.62	Kg/hour	IS 11255(Part II)
02.	Particulate Matter	87,41	150.00	mg/Nm³	IS 11255 (part I)

### "Consent No.12/2020-PCB/510173/00004024

Note: Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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# Calibration details of Equipment used for Sampling & Analysis

### Stack Kit (SR No.293 DTI-2020)

ĺ	Sr No.	Instrument Type	Calibrated on	Calibration due date
	01	Vayubodhan (VSS-1)	18/12/2021	17/12/2022

### FLUE GAS ANALYSER

Sr No.	Instrument Type	Certificate No.	Calibrated on	Calibration due date
01	Flue-Gas Analyser	ATS/2393	15/02/2022	14/02/2023
1	(Sr. No.20190427206A)		<u></u>	



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Lab according by MoEE & CC Valid up to II3. 11 2023 & Combied by ISC 9001 3015 & ISO 45001 : 7018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/09/2022/196		Issue Date	16/09/20	22		
Name of Client		M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Мора, Goa						
Order / Reference				Temp □ C	Humidity %		
	As per dated 12/09/2022	Enviro	Environmental Condition of Lab		65		
Sampling Plan	SEEPLALD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall-2 (CV-18), A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	12/09/20	22		
Sample Collected by	SEEPL Representative		Sample Received On	12/09/20	122		
Analysis Started On	12/09/2022		Analysis Completed On	16/09/20	16/09/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
<b>A.</b>	рH	6.80	*	APHA(23=Edition) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	28.00	mg/lit	APHA( 23 <sup>rg</sup> Edition ) 5220-8
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	73.00	mg/lit	APHA( 23rdEdition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-O 8G
6.	Total Dissolved Solids (TDS)	49.00	mg/lit	APHA( 23*Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By Anadleep Sawant Authorized Signatory

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Page 468 of 567

E-must : madeius anviro@rediffmail.cons \* Websity : www.codekarenviro.com \* CIN - U45200MH1996FTC-116379

_				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	G/062	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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Lib accepted by MoEF A CXC Shid hip to 03:11 2023 # Certified by ISO 9005:2015 & ISO 45001 : 2018

SAME WATER

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/09/2022/205		Issue Date	16/09/20	22		
Name of Client	M/s. Megawide Constructio C/o GMR Goa International	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa			Temp <sup>0</sup> C			
Order / Reference		Forton	Environmental Condition of Lab		Humidity %		
	As per dated 12/09/2022	Environmental Carrinoon of Con-		28	65		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Landside Outfall 1 (Mainga	1e)					
Sample details	Storm Water Out/all 1		Date of collection	12/09/20	122		
Sample Collected by	SEEPL Representative		Sample Received On 1		322		
Analysis Started On	12/09/2022		Analysis Completed On	16/09/20	)22		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1,	pН	7.12	-	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (CCD)	16.00	mg/it	APHA( 23ºEdition ) 5220-B
3.	Biochemical Oxygen Dersand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	70.00	mg/lit	APHA( 23**Edition ) 2540-D
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23™Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23/4Edition ) 2540-C

Note: Test results related only to the sample tested.

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Varsha Pole Reviewed By

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Andrideep Sawant Authorized Signatory

HEAD OFF, & LAB 1: Plot No. A 95, Road No. 16, Ameri Nagar Road, M.; D.C. Waglie Industrial Area, Thoma - 400 604, Mahamatana Stata, Indus.

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	<u></u>			Calibrat	ion Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
<b>0</b> 1.	pH Meter	Q/D62	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	Q/D19	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	G/009	T2021/11/006	11/11/2021	11/11/2022



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Lab occuration by MoEF & GC Valid up to 03.11.2023 & Certified by 15D 9001:2015 & 15O 45001 : 2016

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	ANALYSIS REPO	ORT FOR V	VATER SAMPLE				
Report No. SEE/09/2022/209			Issue Date		22		
Name of Client	M/s. Megawide Construction C/o GMR Goa International	M/s, Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Мора, Goa						
Sand Wallett Control of the		Environmental Condition of Lab		Temp □ C	Humidity %		
Order / Reference	As per dated 12/09/2022	enviror	mental condition of cap	28	85		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall 3 ( Varconda	a)					
Sample details	Storm Water Outfall 3		Date of collection	12/09/20	22		
Sample Collected by	SEEPL Representative		Sample Received On	12/09/20	122		
Analysis Started On	12/09/2022		Analysis Completed On	16/09/2022			
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	рH	7.23		APHA( 23#Edition ) 4500 H+-B	
2_	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23rdEdition ) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	3.60	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	73.00	mg/lit	APHA( 23rdEdition ) 2540-D	
5.	Oil & Grease (C & G)	<1,00	mg/lit	APHA( 23**Edition ) 5520-0 &G	
6.	Total Dissolved Solids (TDS)	30.00	mg/lit	APHA( 23rdEdition ) 2540-D	

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by

Varsha Pole Reviewed By

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Arrandeep Sawant Authorized Signatory

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(C) (01-27) 2503-3021 / 2503-3327 / 2503-3321 / 2503-3324 \* E-mail: prof(bade)anning.com / psychiadi@gmeil.com

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				Calibrat	ion Details
Sr. No.	Equipment Name	Equipment   Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	Q/019	E2022/D4/024	18/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



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	ANALYSIS REPO	ORT FOR I	WATER SAMPLE				
Report No.	SEE/09/2022/210		Issue Date	16/09/20	22		
Name of Client		Ws. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa						
	Consideration and the second		and the state of t	Temp OC	Humidity %		
Order / Reference	As per dated 12/09/2022	Environmental Condition of Lab		28	65		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfall -2 (CV-13) A	mberem					
Sample details	Storm Water Outfall 2		Date of collection	ollection 12/09/2022			
Sample Collected by	SEEPL Representative		Sample Received On 12/09/2		122		
Analysis Started On	12/09/2022		Analysis Completed On 16/09		2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
đ.	pH	7.75	-	APHA( 23*/Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	28.00	mg/lit	APHA( 23rdEdition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	5.40	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	79.00	mg/lit	APHA(23mEdition) 2540-D
5.	Oil & Grease (O & G)	1,00	mg/lit	APHA( 23rdEdition ) 5520-O &G
В.	Total Dissolved Solids (TDS)	35.00	mg/lit	APHA( 23" Edition ) 2540-C

Note: Test results related only to the sample tested.

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Asmita Sawant Analyzed by Varsha Pole Reviewed By

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Agendeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Catibration Due Date	
01.	pH Meter	Q/082	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/D19	E2022/04/024	18/04/2022	18/04/2023	
03,	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	0,7009	T2021/11/00 <del>0</del>	11/11/2021	11/11/2022	



B-306/SUZ, Plot No. 61, Parer Estate, Fora Magost, Verent, ARD, Ché Beton Rosso, Bardez, Pocyanira, Panua-Gop 453 151. Gos State, India. (D.:: (0032) 2411022 / 2411025 # E-mail: statistique@pusilinal.com

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Lab accordited by MaEF & CC Valid up to 03.11.2020 + Cartilled by 850 9001-2015 8.190-45001 : 2016

	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/09/2022/193		Issue Date	16/09/20	22		
Name of Client	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited						
Address of Client	Mopa, Goa				4		
The state of the s	2.7 27 20 27 27		Temp ° C	Humidity %			
Order / Reference	As per dated 12/09/2022	Environmental Condition of Lab		28	65		
Sampling Plan	SEEPL/LD/FMT-54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Airside Outfaii-5 ( Chandel)						
Sample details	Storm Water Outfall 5		Date of collection	12/09/20	)22		
Sample Collected by	SEEPL Representative		Sample Received On	12/09/20	12/09/2022		
Analysis Started On	12/09/2022		Analysis Completed On	16/09/20	)22		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 ml	1000 ml + 1000ml		

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	рН	6.93	=	APHA( 23/2Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	20.00	mg/lit.	APHA( 23rt Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	67.00	mg/lit	APHA( 23#Edition ) 2540-D
5.	Oil & Grease (O & G)	1.20	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5520-0 &G
6,	Total Dissolved Solids (TDS)	43.00	mg/lit	APHA( 23 <sup>MEdition</sup> ) 2540-C

Note: Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Amount-Asmita Sawant Analyzed by

Varsha Pole Reviewed By



Agardeep Sawant Authorized Signatory

	1			Calibration Details		
Sr. No.	Equipment Name	Equipment id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/09/2022/206		Issue Date	16/09/20	22		
Name of Client	M/s. Megawide Construction C/o GMR Gos Internations	M/s. Megawide Construction DMCC C/o GMR Goa International Airport Limited					
Address of Client	Мора, Gos						
		Pin to	e i de la contra del contra de la contra del la contra de la contra del la contra del la contra de la contra de la contra del la contra del la contra de la contra del		Humidity %		
Order / Reference	As per dated 12/09/2022	Environmental Condition of Lab		28	65		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	Landside Outfall 2 (Tulaska	irwadi)					
Sample details	Storm Water Outfall 2		Date of collection	12/09/2022			
Sample Collected by	SEEPL Representative		Sample Received On	12/09/2	12/09/2022		
Analysis Started On	12/09/2022		Analysis Completed On	16/09/2	16/09/2022		
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 m	1000 ml + 1000ml		

#### Chemical Parameters

5000	50/2000/00/00/00/00/00/00					
Sr. No.	Parameters	Results	Unit	Method		
Ť.	pH	6.93	(4)	APHA( 23#Edition ) 4500 H+-B		
2.	Chemical Oxygen Demand (COD)	28.00	s.oo mg/lit APHA( 23rdEdition ) 5220-B			
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)		
4.	Total Suspended Solids (TSS)	65.00	mg/iit	APHA( 23MEdition ) 2540-D		
5.	Oil & Grease (O & G)	1.20	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5529-0 &G		
6.	Total Dissolved Solids (TDS)	44.00	mg/lit	APHA( 23 Edition ) 2540-C		
	I U State of the s					

Note: Test results related only to the sample tested.

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Shweta Sawant Analyzed by Varsha Pole Reviewed By Englood & Phil

Angropep Sawant Authorized Signatory

HEAD OFF, N.LAB - Flot No. A-VS, Rosel No. 10, Kleen Nager Rosel, M.LD.C. Wagle Industrial Area, Trans-400 004, Maharashine State, India

(f): (91-22) 2869 3321 / 2863 3322 / 2683 3322 / 2589 3324 • E-mail: profitsuidekorennyozon / piodekor6@gmail.com

Gazanton By Membry of Environment, Forest & Climato Change, Gest CR system St. (). IEET (E)

BRANCH OFF. : 310. Design Towns. EDIC Print. Panel 403 001. Data Street, India (2) (0632) 24370487 2437164 Page 478 of 567 E-mixt indicator-virginal floors. Website: www.aadabaren.yiio.com • CIN - LH5209MH1990PTG-115329

	1			Calibration Details		
Şr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023	
G4.	Hot Air Oven	0/009	T2021/11/006	11/11/2021	11/11/2022	



B-201/307, Ploc No. 61 Pulse Estate, Pole Mirgae, Venera Atts, Cid Batter Road, Baster, Porveior, Parisip Gos-103 101, Gos-State, India: (C) : (0932) 2411322 / 2411323 \* E-mail: disrlaborad/lived/femal.com

Lab accomiding by MalEF A DC Malif up to 03:11 SGP3 & Cardillant by ISO 9001;2035 & GIO 45001 : 2038

SAVE WATER SAVE UPE

	ANALYSIS REPO	RT FOR	WATER SAMPLE			
Report No.	SEE/09/2022/207		Issue Date	16/09/2022		
Name of Client	M/s. Megawide Construction C/o GMR Goa Internationa	n DMCC I Airport L	imited			
Address of Client	Mopa, Goa				Transconding to	
		Voe/2022 Environmental Condition of Lab		Temp <sup>o</sup> C	Humidity %	
Order / Reference	As per dated 12/09/2022			28	65	
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPU/QSP-10		
Sampling point	Airside Outfall -4 ( Hot Mix	Plant)				
Sample details	Storm Water Outfall 4		Date of collection	12/09/20	022	
Sample Collected by	SEEPL Representative		Sample Received On	12/09/20	)22	
Analysis Started On	12/09/2022		Analysis Completed On	16/09/2	022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 mi	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	pH	7.33	0.00	APHA( 23 "Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	24.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5220-8
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	80.00	mg/lit	APHA( 23 Fedition ) 2540-D
5.	Oll & Grease (O & G)	<1.00	mg/lit	APHA( 23 <sup>u</sup> Edition ) 5520-O &G
6.	Total Dissolved Solids (TDS)	46.00	mg/lit	APHA( 23#Edition ) 2540-C

Note: Test results related only to the sample tested.

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AMOUNT

Asmita Sawant Analyzed by Varsha Pole Reviewed By

opdeKay

Apandeep Sawant Authorized Signatory

	T			Calibrat	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	0/062	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	O/019	E2022/04/024	10/04/2022	18/04/2023
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	0.009	T2021/11/006	11/11/2021	11/11/2022



B-300/307, Plut No. 61, Publi Estate, Rere Magge, Venum, Ato, Claf Betini Road, Barduz, Polyenini, Panuli Gos-103 101 Goe State, India. (D.:: [0932] 2411322 / 3411323 \* E-mail: standagos@mdiffmol.com

Lab accreded by MoCF & OC Whit up to OC 11.2023 & Certified by \$50,0001.2015 & \$50,45001 ; 2016.

SEVELINE SAUELIA

	ANALYSIS REPO	RTFOR	WATER SAMPLE			
Report No.	o. SEE/09/2022/208		Issue Date	1	16/09/2022	
Name of Client	M/s. Megawide Construction C/o GMR Goa Internations	n DMCC ! Airport L	imited			
Address of Client	Mopa, Goa					
	Police and the second condition of the		Temp ° C		Humidity %	
Order / Reference	As per dated 12/09/2022	Environmental Condition of Lab		28		65
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10		
Sampling point	Landside Outfall 3 ( Behind	MCDMC	C Office)			
Sample details	Storm Water Outfall 3		Date of collection		12/09/2022	
Sample Collected by	SEEPL Representative		Sample Received On		12/09/2022	
Analysis Started On	12/09/2022		Analysis Completed On		16/09/2022	
Sample Container	Glass Bottle + PVC Can		Sample Quantity		1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
ŧ.	pH	6.45	35	APHA( 23#Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	32.00	mg/lit	APHA( 23#Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(8CD)	4.80	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	72.00	mg/lit	APHA( 23MEdition ) 2540-D
5.	Oil & Grease (D & G)	2.00	mg/lit	APHA( 23#Edition ) 5520-0 &G
6.	Total Dissolved Solids (TDS)	45.00	rng/lit	APHA( 23 Edition ) 2540-C

Note: Test results related only to the sample tested.

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Magdha Gawade Analyzed by

Varsha Pole Reviewed By

Apandeep Sawant Authorized Signatory

	Equipment Name			Calibration Details		
Sr. No.		Equipment   Id	Certificate No.	Calibration Date	Next Calibration Due Date	
 01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	0/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/ <b>0</b> 02	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	0,009	T2021/11/006	11/11/2021	11/11/2022	



B-005/007, Ploc No. 61, Pullel Eutino, Pais Majore, Veneris Alto, Cld Betin Road, Blanduz, Porverins, Panel Pilos 407, 101, Clos State, India, 10 : (0852) 2411322 / 2411323 \* Limits; startebpologyeetifenesiscom

Linb incorrections by MisEEF & CC visite op to 05.11.2020 ★ Contribe by ISO 9001-2015 & ISO 49001 1.2010

SAME LINE

	ANALYSIS REPO	RT FOR	WATER SAMPLE					
Report No.	SEE/09/2022/211		Issue Date	16/09/2022				
Name of Client	M/s. Megawide Constructio C/o GMR Gos Internationa							
Address of Client	Mopa, Goa	Мора, Сов						
Walliam Control	To September 1		- Lit Condition of Lob		Humidity %			
Order / Reference	As per dated 12/69/2022	Environmental Condition of Lab		28	65			
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10				
Sampling point	Airside Outfall-2 (CV-13A)	Amberem						
Sample details	Storm Water Outfall 2		Date of collection	12/09/20	)22			
Sample Collected by	SEEPL Representative		Sample Received On	12/09/20	)22			
Analysis Started On	12/09/2022		Analysis Completed On 16		022			
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 mi	+ 1000ml			

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method	
1.	pH	7.10	- 3-1	APHA( 23ºEdition ) 4500 H+-B	
2.	Chemical Oxygen Demand (COD)	16.00	mg/lit	APHA( 23rd Edition ) 5220-B	
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	<2.00	mg/lit	IS 3025 (Part 44)	
4.	Total Suspended Solids (TSS)	58.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D	
5.	Oil & Grease (O & G)	1.00	mg/lit	APHA( 23/4Edition ) 5520-O &G	
6.	Total Dissolved Solids (TDS)	40.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-C	

Note: Test results related only to the sample tested.

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Shweta Sawant Analyzed by Vaisha Pole Reviewed By A STAND ENGINEER STANDS OF THE STANDS OF THE

Agangeep Sawant Authorized Signatory

	Equipment Name			Calibration Details	
Sr. No.		Equipment sd	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023
02.	COD Digester	Q/D19	E2022/04/024	18/04/2022	18/04/2023
03.	BOD incubator	0/002	E2022/04/023	18/04/2022	18/04/2023
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022



5-306207, Plot No. 11, Paral Estate. Ross Magos, Viron. Alta, Ola Betin Ross; Barday, Paryanin, Panaji Gua 453 10 L. God Flam, Ivola. 71 (6063) 341(322 / 2411(33) \* E-mol : statubgod@redflamit.com

that separatified by MoEE & EC: Valle up to 63.11 2:25 & Combet by EC: 10001 0016 & Ecc-45001 10016.

STREET LUNADER SWEIFE

	ANALYSIS REPO	RT FOR	WATER SAMPLE						
Report No.	SEE/09/2022/151		Issue Data		4/09/2022				
Name of Client	M/s. Megawide Construction Cle GMR Goa International								
Address of Client	Mopa, Goa	Mopa, Goa							
and the land	A detect 00100/2022	/09/2022 Environmental Condition of Lab		Temp *					
Order / Reference	As per dated 08/09/2022			28	64				
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10					
Sampling point	WTP-Treated								
Sample details	Treated Water sample		Date of collection		8/09/2022				
Sample Collected by	SEEPL Representative	Sample Received On		0	8/09/2022				
Analysis Started On	08/09/2022		Analysis Completed On		4/09/2022				
Sample Container	Glass bottle		Sample Quantity		0000 mi				

Chemical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	6.81	(+)	6.5 - 8.5	IS 3025 (Part 11)
2	Turbidity	0.51	NTU	1.00	IS 3025 (Part 5)
3	Taste	Agreeable	-2	Not Specified	APHA( 23rd Edition ) 2160 B
4	Color	<1.00	Hazen unit	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 2120 B
5	Odour	Agreeable		Not Specified	APHA( 23=Edition ) 2150 B
6.	Total Alkelinity	24.00	mg/lit	200,00	IS 3025 (Part 23)
7	Total Dissolved Solids	60.00	mg/lit	500.00	IS 3025 (Part 16)
8	Chlorides as Ci	14.01	mg/lit	250.00	IS 3025 (Part 32)
9	Sulphate as SO <sub>2</sub> -	<5.00	mg/lit	200.00	IS 3025 (Part 24)
10.	Sulfides	<2.00	rng/lit	Not Specified	APHA( 23*Edition ) 4500 SF
11_	Total Hardness as CaCO <sub>3</sub>	34,00	mg/lit	200.00	IS:3025 (Part 21)
12.	Ammonia	<0,50	mg/lit	0.50	IS-3025 (Part 34)
13.	Mineral oil	<0.1	mg/lit	0,50	Clause 6 of IS 3025 (Part 39) : 1991

1. Anisha Parab Haba 2. Shreya Harmalkar Analyzed by

thopdekar-Varsha Pole Reviewed By



Anapheep Sawant Authorized Signatory

HEAD OFF, S. LAB | Plot No. A-95, Hond No. 16, Keen Negar Good, M.L.D.D. Weight Indiction Area, Thann - 100 006, Metamortic Street, Indice Page 1 of 3 (V) 194-29) 2580-3501 / 2580-3522 / 2583-3523 / 2585-5024 | E-mail: pre@sonletarsrene.com/pseriokar589gmoil.com Demicrof By Montry of Knoromour, Found & Canada Charge, View 21 India S. O. SCT E.

Report No.	SEE/09/2022/151	Issue Date	14/09/2022
Order / Reference	As per dated 08/09/2022	Sample Received On	08/09/2022
Analysis Started On	08/09/2022	Analysis Completed On	14/09/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chlorine	<0.20	mg/lit	0.20	18 3025 (Part 26)
15.	Nitrate as NO <sub>2</sub>	1.25	mg/III	45.00	IS 3025 (Part 34)
16.	Fluoride as F	<0.10	mg/lit	Not Specified	APHA( 23 <sup>th</sup> Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23 <sup>rt</sup> Edition ) 5530-B.C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23"Edition ) 4500 CN -D
19.	Anionic Detergents	<0,10	mg/lit	Not Specified	APHA(23 dedition) 5540 - C
letal	Analysis				
20.	Aluminium as Al	< 0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	8.01	mg/lit	Not Specified	APHA( 23ºEdition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fe	0.05	mg/lif	1.00	IS 3025 (Part 2)
26.	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27.	Magnesium as Mg	3.40	mg/lit	Not Specified	APHA( 23 <sup>MEdition</sup> ) 3500Mg B
28.	Chromlum as Cr	<0.01	mg/lit	Not Specified	APHA( 23ºEdition ) 3120 B
29.	Mercury as Hg	<0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	<0.01	mg/lit	5.00	IS 3025 (Part 2)
31.	Sodium as Na	10,00	mg/lit	Not Specified	APHA( 23dEdition ) 3120 B
32	Potassium as K	4.00	mg/lit	Not Specified	APHA( 23ºEdition ) 3120 B
33.	Copper as Cu	< 0.01	mg/lit	0.05	IS 3025 (Part 2)

Anisha Parab
 Shreya Harmaikar
 Analyzed by

Varsha Pole Reviewed By



Anandrep Saward Authorized Signatory

Report No.	SEE/09/2022/151	Issue Date	14/09/2022	
Order / Reference	As per dated 08/09/2022	Sample Received On	08/99/2022	
Analysis Started On	08/09/2022	Analysis Completed On	14/09/2022	
Name of Client	M/s Megawide Construction DMCC			

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method	
34	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23"Edition ) 9221-5	
35	E coll at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23*Edition ) 9221-6	

Note: Test results related only to the sample tested.

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Anisha Parab
 Shreya Harmalkar
 Analyzed by

Varsha Pole Reviewed By



Ananceap Sawant Authorized Signatory

_	Equipment Name			Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023	
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	U V Spectrophotometer	Q/0166	(*)	Inhouse Calibration		
04.	ICP- OES	Q/162	1.0	Inhouse Calibration		
05.	Microbiological Incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/08/2023	
06.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023	
07.	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023	
08.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



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Lab according by MoEF A CE: Ville up to CE to 2003 A Continuous by ESTABLE VALLS & REC 45001 - 2010

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	ANALYSIS REPO	RT FOR W	ATER SAMPLE					
Report No.	SEE/09/2022/152	1	Issue Date		14/09/	2022		
Name of Client	M/s. Megawide Construction C/o GMR God International		mited					
Address of Client	Mopa, Goa							
Order / Reference	As per dated 08/09/2022	er dated 08/09/2022 Environmental Condition of Lab		La and de Apparator Community Commun		Temp	06	Humidity %
Order / Reterence	As per uated 00/03/20/22	Charbur	ielitei condition in Tun	28		64		
Sampling Plan	SEEPL/LD/FMT- 54	5	Sampling Procedure No.	SEEPL/OSP-10				
Sampling point	Borewell No. 2							
Sample details	Ground Water	I	Date of collection		08/09/2022			
Sample Collected by	SEEPL Representative		Sample Received On		08/09/2022			
Analysis Started On	08/09/2022	.#	malysis Completed On		14/09/	2022		
Sample Container	Glass bottle + PVC Can	5	Sample Quantity		1000 ml + 4000ml			

Chamical Testing

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1. ph	1	6.90	8	6.5 - 8.5	IS 3025 (Part 11)
2: Ti	irbidity	0.76	NTU	1.00	IS:3025 (Part 5)
3. Ta	este	Agreeable	- 1	Not Specified	APHA( 23NEdillon ) 2160 E
4. Co	olor	<1.00	Hazen unit	Not Specified	APHA( 23#Edition ) 2120 B
5. O	dour	Agreeable	×	Not Specified	APHA( 23#Edition ) 2150 B
6. To	otal Alkalinity	56.00	mg/lit	200 00	IS 3025 (Part 23)
7. To	otal Dissolved Solids	164,00	mg/lit	500.00	IS 3025 (Part 16)
8. C	hlorides as CI -	15,01	mg/lit	250.00	IS 3025 (Part 32)
9. St	ulphate as SO <sub>4</sub>	<5.00	mg/lit	200.00	(\$ 3025 (Part 24)
10. St	ulfides	<2.00	mg/lit	Not Specified	APHA( 23ºEdition ) 4500 SF
11. To	otal Hardness as CaCO <sub>2</sub>	86.00	mg/lit	200.00	IS 3025 (Part 21)
12. Ar	rimonia	<0.50	mg/lit	0.50	IS- 3025 (Part 34)
13. M	ineral oil	<0.1	mg/llt	D.50	1015usp 6 of IS 3025 (Part 39)

1 Anisha Parab

2 Shreya Harmalkar Analyzed by

Varsha Pole Reviewed By

Anandeep Sawent **Authorized Signatory** 

HEAD OFF # LAD | Flut No. A 05, Febru No. 10, Kinst Wager Road, M.I.D.C. Wage industrial Area, There 100 004, Maharachtra State, Indipage 1 of 3 (5) 101 793 200 (3.01 ) 200 (3.02 ) 200 (3.02 ) 200 (3.04 ) Farial (page white mayb) and (see heart) (hyperbolic time) Granue by Manny of Environment, I step 4 Olimer Olimpi, said of hear, 4 io 193 (5)

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Report No.	SEE/09/2022/152	Issue Date	14/09/2022
Order / Reference	As per dated 08/09/2022	Sample Received On	08/09/2022
Analysis Started On	08/09/2022	Analysis Completed On	14/09/2022
Name of Client	M/s. Megawide Construction DN C/o GMR Goa International Air		4

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
14.	Residual free chloring	<0.20	mg/lit	0.20	IS 3025 (Part 26)
15.	Nitrate as NO <sub>0</sub>	<1.00	mg/lit	45.00	IS 3025 (Part 34)
16.	Fluorida as F	<0.10	mg/lit	Not Specified	APHA( 23rt Edition ) 4500 F D
17.	Phenolic compound	<0.02	mg/lit	Not Specified	APHA( 23 <sup>rt</sup> Edition ) 5530-8,C
18.	Cyanide	<0.01	mg/lit	Not Specified	APHA( 23 <sup>rt</sup> Egition ) 4500 CN -D
19	Anionic Detergents	<0.10	mg/lit	Not Specified	APHA( 23#Edition ) 5510 - C
/otal	Analysis		-	,	1
20,	Aluminium es Al	<0.01	mg/lit	0.03	IS 3025 (Part 2)
21.	Arsenic as As	<0.01	mg/lit	0.01	IS 3025 (Part 2)
22.	Boron as B	<0.01	mg/lit	0.50	IS 3025 (Part 2)
23.	Calcium as Ca	15.23	mg/lit	Not Specified	APHA( 23°Edition ) 3500Ca B
24.	Cadmium as Cd	<0.001	mg/lit	0.003	IS 3025 (Part 2)
25.	Iron as Fa	0.19	mg/lit	1.00	IS 3025 (Part 2)
26	Lead as Pb	<0.01	mg/lit	0.01	IS 3025 (Part 2)
27,	Magnesium as Mg	11.65	mg/lit	Not Specified	APHA( 23#Edition ) 3500Mg B
28.	Chromium as Cr	<0.01	mg/lit	Not Specified	APHA( 23rdEdition ) 3120 B
29.	Mercury as Hg	< 0.001	mg/lit	0.001	IS 3025 (Part 2)
30.	Zinc as Zn	<0.01	mg/lit	5.00	(S 3025 (Part 2)
31	Sodium as Na	14.00	mg/lit	Not Specified	APHA(23"Edition) 3120 B
32.	Potassium as K	6.00	mg/lit	Not Specified	APHA( 23"Edition ) 3120 B
33.	Copper as Cu	<0.01	mg/lit	0.05	IS 3025 (Part 2)

Anisha Parab
 Shreya Harmalkar
 Analyzed by

Varsha Pole Reviewed By

Anandeep Sawant Authorized Signatory

Report No.	SEE/09/2022/152	Issue Date	14/09/2022
Order / Reference	As per deted 08/09/2022	Sample Received On	08/09/2022
Analysis Started On	08/09/2022	Analysis Completed On	14/09/2022
Name of Client	Ms. Megawide Construction DI C/o GMR Goa International Air		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
34	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 23/Fedition ) 9221 B
35.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Not Specified	APHA( 234Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab
 Shreya Harmalkar
 Analyzed by

Varsha Pole

Reviewed By

Ariandeep Sawant **Authorized Signatory** 

				Calibratio	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	pH Meter	Q/168	T2022/04/020	18/04/2022	18/04/2023
02.	Hot Air Oven	G/009	T2021/11/006	11/11/2021	11/11/2022
03.	U V Spectrophotometer	Q/0166	· •	Inhouse Calibration	
04	ICP-OES	Q/162		Inhouse	Calibration
05.	Microbiological Incubator ( 37 °C )	Q/003	T2022/08/004	13/08/2022	13/08/2023
06.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023
07.	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
08.	Autoclave	Q/010	1/2022/04/031	18/04/2022	18/04/2023



H.309C01, Plei ble. 61, Patel Cardy, Bles Mages, Veren, Alex, Old Bellin Read, Bardez, PleVeren, Parent Card III 101, Goo State, India, 10 - (0032) 2411322 / 2411523 • E-mail: startatgeo genetimaliseum SAFTING IN

Calculation active from the Miles & CC Valla up to the 11 2023 \* Cariffold by (SO 0001-2013 \$ 150 45001 1011).

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No.	SEE/09/2022/141		Issue Date	13/09/2022		
Name of Client	M/s. Megawide Construction	n DMCC I Airport L	mited			
Address of Client	Mopa, Goa					
Order / Reference			and described and their	Temp °C	Humidity %	
	As per dated 08/09/2022	Environ	Environmental Condition of Lab		64	
Sampling Plan	SEEPL/LD/FMT-54	Samplin	ng Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Inlet Water		Date of collection	08/09/2022		
Sample Collected by	SEEPL Representative	SEEPL Representative		08/09/2023	2	
Analysis Started On	08/09/2022	08/09/2022		13/09/202	2	
Sample Container	Glass Bottle + PVC Can	Glass Bottle + PVC Can		1000 ml +	1000 ml + 1000ml	

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	На	6,10	-	APHA( 23 Fdition ) 4500 H+-B
2	Chemical Oxygen Demand (COD)	760.00	mg/lit	APHA( 23 Edition ) 5220-B
3,	Biochemical Oxygen Demand (27°C 3 day)(BOD)	210.00	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	258.00	mg/lit	APHA( 23"Edition ) 2540-D
5.	Oil & Grease (O & G)	13,00	mg/lit	APHA( 23ºEdition ) 5520-0 &G

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed By Varsha Pole Reviewed By Engineer of the Park

Anelideep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



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Lab according by MvBF & CC Vold up at 65-11 2023 # Contilled by SD 9861.2116 5 (SO 4500) | 2018

	ANALYSIS REPO	ORT FOR	WATER SAMPLE			
Report No	SEE/09/2022/142		Issue Date	13/09/2022		
Name of Client	M/s. Megawide Construction					
Address of Client	Mopa, Goa					
Order / Reference			Accounted appropriate lab	Temp ®C	Humidity %	
	As per dated 08/09/2022	Environmental Condition of Lab		28	64	
Sampling Plan	SEEPL/LD/FMT-54	Sampli	ng Procedure No.	SEEPL/QSP-10		
Sampling point	STP					
Sample details	Outlet Water		Date of collection	08/09/2022		
Sample Collected by	SEEPL Representative	SEEPL Representative		08/09/2022		
Analysis Started On	08/09/2022		Analysis Completed On	13/09/20	022	
Sample Container	Glass Bottle + PVC Can	Glass Bottle + PVC Can		1000 ml	1000 ml + 1000ml	

### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	рН	6.30	160	5.5 - 9.0	APHA( 23 <sup>to</sup> Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	160.00	mg/lit	250.00	APHA( 23 <sup>rd</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	22.00	mg/lit	30.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	68.00	mg/lit	100.00	APHA( 23#Edition ) 2540-D
5.	Oll & Grease (O & G)	2,80	mg/lit	10.00	APHA( 23 Edition ) 5520-0 &G

Note: Test results related only to the sample tested.

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Mugdha Gawade Analyzed By Varsha Pole Reviewed By Jungan State State

Anandeep Sawant Authorized Signatory

Equipment Name	Equipment Id	Certificate No.	Calibration Details		
			Calibration Date	Next Calibration Due Date	
pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
	pH Meter COD Digester BOD incubator	pH Meter Q/062 COD Digester Q/019 BOD incubator Q/002	Id   Certificate No.     pH Meter	Equipment Name         Equipment Id         Certificate No.         Calibration Date           pH Meter         Q/062         2022/08/277         13/08/2022           COD Digester         Q/019         E2022/04/024         18/04/2022           BOD incubator         Q/002         E2022/04/023         18/04/2022	



B-300/307, Piot No. 91, Piotel Estato, Bot. Masou, Varier, Alto, Old Batter Road, Barcles, Pervenie, Paragi-Gen-103 101 Gen-State, India 👫 (0icst): 2411322 / 3411322 - 1-codi -santidopsar (red-firm) from

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE				
Report No.	SEE/09/2022/143		Issue Date	13/09/2022			
Name of Client	M/s. Megawide Construction C/o GMR Goa International		mited				
Address of Client	Mopa, Goa						
Order / Reference	To the second	Environmental Condition of Lab		Temp °C	Humidity %		
	As per dated 08/09/2022			28	64		
Sampling Plan	SEEPL/LD/FMT- 54	Sampling Procedure No.		SEEPL/QSP-10			
Sampling point	STP (KMV)						
Sample details	Inlet Water		Date of collection	08/09/2022			
Sample Collected by	SEEPL Representative		Sample Received On	08/09/2022			
Analysis Started On	08/09/2022		Analysis Completed On	13/09/2022			
Sample Container	Glass Bottle + PVC Can		Sample Quantity	1000 mt + 1000ml			

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1	Hq	6.11		APHA( 23 Fedition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	496.00	mg/lit	APHA( 23 <sup>st</sup> Edition ) 5220-B
3.	Biochemical Oxygen Demand (27°C 3 day)(BOD)	131.25	mg/lit	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	169.00	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 2540-D
5.	Oil & Grease (O & G)	6.40	mg/lit	APHA( 23 <sup>rd</sup> Edition ) 5620-O &G

Note: Test results related only to the sample tested.

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Shweta Sawant Analyzed By

Varsha Pole Reviewed By

Anantieep Sawant **Authorized Signatory** 

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
03.	BOD incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
04.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	



B-300/007, Plot No. 61, Paral Estato. Revs Mages, Vorom. Alts. Old Ballett Read. Bardov. Polyotine. Paral Estato 101. Goo Male, India, T. (0832) 2415322 / 2415323 \* Eural : Metabgoardershiftmaliscum

Lab accredited by Mol. Fig. CC Melot up to 0.5 11 2020 4 Certifical by to 0.9001.5019 is 150 45004 5010.

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	ANALYSIS REPO	ORT FOR	WATER SAMPLE		
Report No.	SEE/09/2022/144	13/09/20	22		
Name of Client	M/s. Megawide Construction C/o GMR Goa International		imited		
Address of Client	Moga, Goa				
Order / Reference	A	Ent files	Environmental Condition of Lab		Humidity %
	As per dated 08/09/2022	Environmental Candidati di Lab		28	84
Sampling Plan	SEEPL/LD/FMT-54	Samplin	ng Procedure No.	SEEPL/QSP-10	
Sampling point	STP (KMV)				
Sample details	Outlet Water		Date of collection	08/09/2022	
Sample Collected by	SEEPL Representative		Sample Received On	08/09/2022	
Analysis Started On	08/09/2022		Analysis Completed On	13/09/20	)22
Sample Container	Glass Bottle + PVC Can	Glass Bottle + PVC Can Sample Quantity			+ 1000ml

#### Chemical Parameters

Sr. No.	Parameters	Results	Unit	*Limits	Method
1.	рH	6.93	141	5.5-9.0	APHA( 23 Edition ) 4500 H+-B
2.	Chemical Oxygen Demand (COD)	40,00	mg/lit	50.00	APHA( 23/Edition ) 5220-8
3.	Biochemical Oxygen Demend (27°C 3 day)(BOD)	7.50	mg/lit	10.00	IS 3025 (Part 44)
4.	Total Suspended Solids (TSS)	19,00	mg/lit	20.00	APHA( 23r/Edition ) 2540-D
5.	Oll & Grease (O & G)	3.00	mg/lit	10.00	APHA( 23 <sup>rd</sup> Edition ) 5520-0 &G
6.	Ammonia	3.36	mg/lit	5.00	APHA( 23rdEdition ) 4500 NH3B C
7.	Total Nitrogen ( as N)	8.75	mg/lit	10.00	APHA( 23rdEdition ) 4500 N-B

#### Microbiological Parameters

8.	Fecal coliforms at 44.5°C for 24 hrs.	46	MPN Index/100ml	100	APHA ( 23 <sup>rt</sup> Edition ) 9221-E
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Note: Test results related only to the sample tested.

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1. Shweta SawanL (2000) 2. Anisha Parab (-100)

Analyzed By

Varsha Pole

Reviewed By

Mandeep Sawant Authorized Signatory

				Calibration Details		
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	pH Meter	Q/062	2022/08/277	13/08/2022	13/08/2023	
02.	Hot Air Oven	Q/009	T2021/11/006	11/11/2021	11/11/2022	
03.	COD Digester	Q/019	E2022/04/024	18/04/2022	18/04/2023	
04	800 incubator	Q/002	E2022/04/023	18/04/2022	18/04/2023	
05.	Microbiological Incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/08/2023	
06.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023	
07,	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023	
08.	Autoclave	0/010	M2022/04/031	18/04/2022	18/04/2023	



B.300/307, Plot No. (1), Paint Estato. Rain Magos, Arrom. Alla, Ota Babin Risan, Bareling, Parvaran, Parint Son 403-101. Cloy State, Norm. □ pb8/21/2411322 / 2411225 ■ E-molt : starobgos/Cond/hast.com What

Data expressioned by ModT & CC Value up to CS to 2023 # Continues by Ext 9860 years in 1904 a solid instituti

	ANALYSIS REPOR	RT FOR WATER SAMPLE			
Report No.	SEE/09/2022/145	Issue Date	12/09	/2022	
Name of Client	M/s Megawide Construction G/o GMR Goa International	n DMCC if Airport Limited			
Address of Client	Mopa, Goa				
Order / Reference	As per dated 08/09/2022	Environmental Condition of Lab	Temp <sup>1</sup> C 28	Humidity %	
Sampling point	Megawide Labor Colony				
Sample details	Drinking Water	Date of collection	08/09/2022		
Sample Collected by	SEEPL Representative	Sample Received On	08/09	72022	
Analysis Started On	08/09/2022	Analysis Completed On	12/09	1/2022	
Sample Container	Glass bottle	Sample Quantity	1000	1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23*/Edition ) 9221-B
2.	E.col at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by Varsha Pole Reviewed By Engling St.

Anandeep Sawant Authorized Signatory

				Calibratio	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/05/2023
02.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023
03	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



N-109/307, Ped No. 61, Parist Pariste Sons Magon, Absente Alto, Old Baker Read, Busties, Personal Paristics and IOI 101. God State, India. © (0833) 2411322 / 2411>25 € epot : dariabgoa@rod@well.com

PARTITION DIMELEC

Life according by MoEF & CC Vallet up to 65. 11 2073 4 Cortifical by EFC 9001:2015 5 LISO 49001 2018

	ANALYSIS REPO	RT FOR WATER SAMPLE			
Report No.	SEE/09/2022/146	Issue Date	12/09	/2022	
Name of Client	M/s. Megawide Construction O/o GMR Goa International				
Address of Client	Mopa, Goa				
Order / Reference	As per dated 08/09/2022	Environmental Condition of Lab	7emp   10	Humidity %	
Sampling point	KMV				
Sample details	Drinking Water	Date of collection	08/09/2022		
Sample Collected by	SEEPL Representative	Sample Received On	08/09/2022		
Analysis Started On	08/09/2022	Analysis Completed On	12/0	9/2022	
Sample Container	Glass bottle	Sample Quantity	1000	1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>n</sup> Edition ) 9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>st</sup> Edition ) 9221-G

Note: Test results related only to the sample tested

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Anisha Parab Analyzed by Varsha Pole Reviewed By

Anandeep Sawant **Authorized Signatory** 

GW:				Calibratio	on Details
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	0/603	T2022/08/004	13/08/2022	13/08/2023
02.	Microbiological Incubator (44.5 °C)	Ω/004	T2022/08/003	13/08/2022	13/08/2023
03	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



ISLONCOF, Plot No. 111, Paint Lesan. Burs Mages, Venum. Alex, CAR Deter Book. Bartier, Province, Planny/Con-403 103. Gen. State. Index. (7) (0000) (841322 / 241322 = 8 molt). Harattigon@cod@molt.com SWEDE:

Lab according by MoEF & CC Venu up to 68-11 2023 \* Common by EED 9001-2015 & 15D 45001 - 2010

	ANALYSIS REPOR	RT FOR WATER SAMPLE			
Report No.	SEE/09/2022/147	Issue Date	12/09	/2022	
Name of Client	M/s. Megawide Construction	n DMCC Il Airport Limited			
Address of Ollent	Mopa, Goa				
Order / Reference	As per dated 08/09/2022	Environmental Condition of Lab	Temp   C 28	Humidity %	
Sampling point	L.S.C				
Sample details	Drinking Water	Date of collection	08/09/2022		
Sample Collected by	SEEPL Representative	Sample Received On	08/09/2022		
Analysis Started On	08/09/2022	Analysis Completed On	12/09	/2022	
Sample Container	Glass bottle	Sample Quantity	1000	1000 ml	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-B
2.	E.coll at 44,59C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23 <sup>rd</sup> Edition ) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by Varsha Pole Reviewed By To Englassian Pri

Analigeep Sawant Authorized Signatory

		520 AS		Calibration Details	
Sr. No.	Equipment Name	Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	Q1003	T2022/08/004	13/08/2022	13/08/2023
02.	Microbiological incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023
03.,	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



B. S06/307, Puol No. #1, Parid Fistoric Role Magris, Vernin, Alto Old Bottin Rosal, Barcotz, Polylophy. Parioji Goo.463 101. Sop State. India. #7. (0637) [r11522 / 2411223 ★ E-mail., start/absorational.com

Lab accidentary by MoEF 4. CC Valur on to 83: 11.2023 \* Corolled by 150: 9001.2019 6.130 45001 1-2010

SHY CHANN

	ANALYSIS REPOR	RT FOR WATER SAMPLE				
Report No.	SEE/09/2022/148	Issue Date	12	2/09/2022		
Name of Client	M/s. Megawide Construction DMCC C/c GMR Goa International Airport Limited					
Address of Client	Mope, Goa					
Geter / Bolomeno	As per dated 08/09/2022	Constitution of Lab		As per dated 08/09/2022 Environmental Condition of Lab Temp # C		
Order / Reference	As per dated delosizate	LIMINITISHED OF TORROTT LIES	28	64		
Sampling point	VNG Colony					
Sample details	Drinking Water	Date of collection	08	08/09/2022		
Sample Collected by	SEEPL Representative	Sample Received On	00	08/09/2022		
Analysis Started On	08/09/2022	Analysis Completed On	15	2/09/2022		
Sample Container	Glass bottle	Sample Quantity	10	1000 ml		

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1	MPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23 Edition ) 9221-B
2	E coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA(23 Edition) 9221-G

Note: Test results related only to the sample tested.

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Anisha Parab Analyzed by Varsha Pole Reviewed By

Drakeka F

English Sand

Aganteep Sawant Authorized Signatory

		Equipment Certific		Calibration Details	
Sr. No.	Equipment Name		Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological Incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/08/2023
02.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023
03	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



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	ANALYSIS REPOR	RT FOR WATER SAMPLE		
Report No.	SEE/09/2022/149	Issue Date	12/09	/2022
Name of Client	M/s. Megawide Construction C/o GMR Goa International			
Address of Client	Mopa Goa			
Order / Reference	As per dated 08/09/2022	Environmental Condition of Lab	Temp <sup>3</sup> C	Humidity % 64
Sampling point	P.T.B			
Sample details	Drinking Water	Date of collection	08/09	/2022
Sample Collected by	SEEPL Representative	Sample Received On	08/09/2022	
Analysis Started On	08/09/2022	Analysis Completed On	12/09	/2022
Sample Container	Glass bottle	Sample Quantity	1000	ml

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	MPN	Absent	MPNIndex 100ml	Not Specified	APHA( 23=Edition ) 9221-B
2.	E.coli at 44.59C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-G

Note: Test results related only to the sample tested.

: This certificate may not be reproduced in part, without the permission of this laboratory.

: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.

Anisha Parab Analyzed by Varsha Pole Reviewed By Englaces of the Control of the Contr

Anendoep Sawant Authorized Signatory

	Equipment Name	Company Vision		Calibration Details		
Sr. No.		Equipment Id	Certificate No.	Calibration Date	Next Calibration Due Date	
01.	Microbiological Incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/08/2023	
02.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023	
03	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023	
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023	



B-305007, Phot No. 61, Proted Extente, Roja Magon, Verenn, N.c. Ob. Super Road, Europea Pervenin, Pantal-Gott-400, 101. Gea Rafe, indin. (C) : [1022]-2411222 / 2411523 \* E-mail: startabgoa@jecdiffmail.com

Part Smet 5/3/G (IHL

Lab according to 18 cm Seat up to 01 f1.2023 a commet by SQ (007/2011-8 (0/04/01) 12014

	ANALYSIS REPOR	RT FOR WATER	SAMPLE			
Report No.	SEE/09/2022/150	(ssue D	Issue Date		12/09/	2022
Name of Client	M/s. Megawide Construction DMCC G/o GMR Goa International Airport Limited					
Address of Client	Mopa, Goa					
Order / Reference	As per dated .08/09/2022	Environmental Condition of Lab		Temp #C		Humidity %
Sampling point	ATC Tower					
Sample details	Orinking Water	Date of	Date of collection		08/09/2022	
Sample Collected by	SEEPL Representative	Sample	Sample Received On		08/09/2022	
Analysis Started On	08/09/2022	Analysi	Analysis Completed On		12/09/2022	
Sample Container	Glass bottle	Sample	Sample Quantity		1000 mi	

Microbiological Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	AIPN	Absent	MPNIndex/100ml	Not Specified	APHA( 23"Edition ) 9221-B
2	E.coli at 44.5°C for 24hrs.	Absent	MPNIndex/100ml	Not Specified	APHA( 23rdEdition ) 9221-G

Note: Test results related only to the sample tested.

: This certificate may not be reproduced in part, without the permission of this laboratory.

: Calibration details of the equipments used in monitoring and , or analysis is back side of analysis report.

Anisha Parab Analyzed by

Varsha Pole Reviewed By

Artandeep Sawant **Authorized Signatory** 

	Equipment Name	Equipment Id		Calibration Details	
Sr. No.			Certificate No.	Calibration Date	Next Calibration Due Date
01.	Microbiological incubator (37 °C)	Q/003	T2022/08/004	13/08/2022	13/08/2023
02.	Microbiological Incubator (44.5 °C)	Q/004	T2022/08/003	13/08/2022	13/08/2023
03	Laminar Air Flow	Q/001	2022/08/322	13/08/2022	13/08/2023
04.	Autoclave	Q/010	M2022/04/031	18/04/2022	18/04/2023



#### ANNEXURE - 3

#### ENVIRONMENTAL EXPENDITURE DURING PERIOD OF APRIL 2022 TO SEPTEMBER 2022

Note: All cost expenditures are in INR Crore.

\$. N.	Particulars	Total EXPENSES during Apr 2022 to Sept 2022 (in INR Crore)
1.	AAQ & Noise Levels Monitoring (in Goa & Maharashtra States)	0.189
2.	Dust suppression through tankers & chemical dust suppressants	0.263
3.	Water sprinkling tankers and fog / mist canons for dust suppression	0.347
4.	Periodical Fund deposit to GSBB towards compensatory tree afforestation	0.200
5.	Maintenance of translocated trees within the site	0.169
6.	Top soil preservation measures	2.271
7.	O&M of labour colony STP # 1	0.061
8.	O&M of labour colony STP # 2	0.02
9.	O&M of labour colony STP # 3	0.085
10.	Occupational health surveillance of workmen	0.029
11.	Airport & DG Sets' CTO application fees	2.701
12.	Environment Management Cell (EMC) set up	0.110
13.	Monsoon protection measures	10.261
14.	Waste Management (M/s Alterz Energy)	0.075
15.	Vacuum Tanker (Portable toilets at site)	0.166
16.	Environmental Compliance Monitoring by NEERI	0.170
17.	Aviation Noise Monitoring Terminal units (NMT)	0.512
18.	Installation of 625 KLD Sewage Treatment Plant	4.494
19.	Rainwater Harvesting	0.148
20,	Installation of 550 KLD Water Treatment Plant	1.247
21.	LED lighting in all buildings & roads	23.425
	TOTAL	46.943



#### Half Yearly EC Compliance Report (April 2022 to September 2022)

#### ANNEXURE - 4

## LIST OF STATUTORY PERMITS / APPROVALS RELATED TO ENVIRONMENT OBTAINED DURING APRIL 2022 TO SEPTEMBER 2022

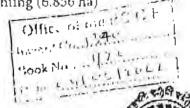
CM	Statutory	Date		Statuten, Authority	Permit	
S.N.	Permits/Approval	Issued	Validity	Statutory Authority	enclosed as	
1.	Stage-1 Forest Clearance for CAT-1 lighting (6.856 ha)	03/05/2022	03/05/2027	Forest Dept., GoG	Appendix-1	
2.	Approval from WRD for Airside drains	26/05/2022	-	Water Resources Department, GoG	Appendix-2	
3.	Consent to Establish (CTE) for Fuel Farm (BPCL) and Amendment.	07/06/2022	07/06/2025	Goa State Pollution Control Board (GSPCB)	Appendix-3	
4,	Consent to Establish for Cargo	07/06/2022	07/06/2025	GSPCB	Appendix-4	
5.	Consent to Establish for Terminal Hotel Building	08/05/2022	08/06/2025	GSPCB	Appendix-5	
6,	Consent to Establish for Inflight Kitchen (TajSats)	10/06/2022	10/06/2025	GSPCB	Appendix-6	
7.	Stage-2 Forest Clearance for CAT-1 lighting (6.856 ha)	15/06/2022	-	Forest Dept., GoG	Appendix-7	
8.	Consent to Operate (CTO) for DG Sets 3 x 2000 KVA	04/08/2022	28/04/2027	GSPCB	Appendix-8	
9.	One-time approval for Landing / Touch and Go by Indigo Aircraft for conducting Instrumental Flight Trails	12/08/2022	-	Directorate of General of Civil Aviation (DGCA)	Appendix-9	
10.	Installation permission for 3 x 2000 KVA DG Set	12/08/2022	-	Chief Electrical Engineer, GoG	Appendix-10	



Appendix -1

15/2022

Stage-1 Forest Clearance for CAT-1 lighting (6.856 ha)



0347



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, धन एवं जलवायु परिवर्तन मंत्रालय MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

समन्वित क्षेत्रीय कार्यालय

INTEGRATED REGIONAL OFFICE

Kendriya Sadan, IVth Floor, E& F Wings, 17<sup>th</sup> Main Road, IInd Block, Koramangala, Bangalore - 560 034. Tel.No.080-25635905, E.Mail: rosz.bng-mef@nic.in

BY SPEED POST F.No.4- GOCB1354/2022-BAN 76 5 Dated the 3<sup>rd</sup> May, 2022

Τo

The Principal Secretary (Forests), Government of Goa, Secretariat Annexe, Secretariat, Porvorim, Goa -403 521.

Subject: Diversion of 6.856 ha of forest land in Sy.No.19 of Chandel Village of Pernem Taluka, North Goa Forest Division & District for CAT-I Approach Surface Area for International Airport at Mopa in Goa in favour of Director, Directorate of Civil Aviation, Government of Goa.

Şir,

I am directed to refer to the State Government's letter No.6-856-2022-23-FD/Vol.III/368 dated 28/04/2022 and email dated 28<sup>th</sup> April, 2022 received from Deputy Conservator of Forest (M&E) Goa Forest Department seeking prior approval of the Central Government under Section'2' of the Forest (Conservation) Act, 1980 for the above project.

After careful examination of the proposal of the State Government, In-principle approval /Stage-I clearance of the Central Government is hereby granted for diversion of 6.856 ha of forest land in Sy.No. 19 of Chandel Village, Pernem Taluk in North Goa Division and District for CAT-I approach surface area for International Airport at Mopa in favour of Director, Directorate of Civil Aviation, Government of Goa subject to the following conditions:-

- A: Conditions which need to be compiled prior to handing over of forest land by the State Forest Department.
- The User Agency shall transfer online, the Net Present Value (NPV) of the forest land being diverted under this proposal, as per the guideline issued by Ministry vide letter No.5-3/2011-FC (Vol-I) dated 06/01/2022. The requisite funds shall be transferred through online portal into CAMPA account of the State concerned.

2. The identified revenue land of 7,315 ha, at Varconda Village at Survey Nos.82, 83/12,13,14,15,16,84&96 within the project area of Mopa Airport for raising

The Immoration of

Page 520 of 567

Compensatory Afforestation (CA) shall be transferred and mutated in the name of forest department and notified as RF/PF prior to Stage II approval.

C. 140, 4.00 CO 100 TABLE 10 FA

The KML file of the area diverted and CA area shall be uploaded in the e-green watch portal with all requisite details and same shall be submitted along with the compliance report.

4. The User Agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The CA scheme may include demarcation of non-forest land using chain link fencing with provisions for watering, planting of taller seedlings, SMC works and maintenance of 10 years.

5. All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only through e-portal (https://parivesh.nic.in/). Amount deposited through other mode will not be

accepted as compliance of the Stage-I clearance.

6. The State Government shall complete settlement of rights, in term of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act 2005, if any, on the forest land to be diverted and submit the documentary evidence as prescribed by this Ministry in it's letter No. 11-9/1998-FC dated 3<sup>rd</sup> August 2009 read with 05.07.2013 with necessary enclosures, in support thereof.

The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/).

The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost as per the directions of concerned Divisional Forest Officer.

9. Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.

B: Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval:

Legal status of the diverted private forest land shall remain unchanged.

 At the time of payment of the Net Present Value (NPV) at the then prevailing rate, the User Agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.

 The User Agency shall restrict the felling of trees to minimum number in the diverted forest land and felling/pollarding of trees as and when required shall be done in consultation with the Forest Department.

 Wherever trees are proposed to be felled, stumps should be retained and appropriate Soil and Moisture Conservation Works in the area shall be taken up at the cost of User Agency.

The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less.

No labour camp shall be established on the forest land.

 The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required.

SML

8. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.

9. No damage to the flora and fauna of the adjoining area shall be caused.

10. The layout plan of the proposal shall not be changed without the prior approval of the Central Government.

11. No construction activity shall be taken up in the area proposed for diversion.

12. The total forest area utilized for the project shall not exceed 6.856 ha.

13. Monitoring should be carried out on six monthly basis in order to ascertain adverse impact on avi-fauna & man-animal conflict.

14. Artificial nesting space shall be identified and developed (artificial nest boxes, etc) by the Forest Department for avifauna outside the funnel area at the cost of User Agency.

15. The user Agency shall provide space for the Forest Department as a centre for animal rescue to address man-animal conflict in the airport area, as the area is adjacent to good forest.

16. The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government and Integrated Regional Office. Bangalore by the end of March every year.

17. The user agency shall comply with all the provisions of all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT, Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

After receipt of compliance report on fulfilment of the conditions mentioned above, the proposal shall be considered for final approval under Section-2 of the Forest (Conservation) Act, 1980. Working permission, if any issued, shall be intimated to IRO, Bengaluru. Transfer of forest land shall not be affected till final approval is granted by the Central Government in this regard.

Further, it may also be noted that this in-principle approval shall be valid for a period of 5 years from the date of issue of this letter. In the event of non-compliance of the above conditions, this in-principle approval shall be revoked after 5 years.

Yours faithfully,

(M.K. Shambhu) Deputy Inspector General of Forests (Central)

#### Copy to:-

- 1. The Principal Chief Conservator of Forests (HoFF), Forest Department, Government of Goa, Panaji (GOA), PIN- 403001.
- 2. The Deputy Conservator of Forests (Monitoring & Evaluation)/Nodal Officer (FCA), Office of the Principal Chief Conservator of Forests, Forest Department, Government of Goa, Panaji (GOA), PIN-403001.

The Director, Directorate of Civil Aviation, Room No. 19 Secretariat, Porvorim, Goa-403521.

Guard file.

1/8275/2022

(M.K. Shambhu)
Deputy Inspector General of Forests (Central)

#### Appendix -2 NOC from WRD for Airside Drains



Government of Goa

Water Resources Department Sinchai Bhawan, Near Police Station, Alto-Porvorim, Bardez, Gos - 403 521 Tel: (0832) 2412047, Fax: (0832) 2413046,

No. 9/3/EO/WRD/2022-23/ 59

Date: 26/05/2022

To.

The Chief Development Officer, GMR Goa International Airport Ltd, Survey No.381/3, Mathura One, 1st floor, NH 17, Porvorim-Goa

> Sub:- Development of Green Field International Airport at Mopa, Goa-Submission of Airside storm water Drainage design-regarding...

Ref:- 1) Your Office letter ref No. GGIAL/WRD/2021-22/0937 dated 28/03/2022.

Our office letter No. 9/3/EO/WRD/2020-21/527 dated 10/02/2021.

Sir.

With reference to above referred letter, this Department conveys NOC/approval to GMR limited to the revised layout for airside and landside storm water drainage as per details shown in the revised layout subject to the following conditions:-

- i) Applicant should keep the earthmoving machinery on standby, readily available for deployment at the instructions of WRD authority during pre and post monsoon for 3 years i.e upto December 2024.
- ii) The nallah and the downstream areas needs to be monitored on weekly basis by the Executive Engineer, Works Division I, WRD during the monsoon along with the officials of the Applicant.

All the other drainage layout approved earlier vide letter at ref 2 above remain илсhanged.

Yours faithfully

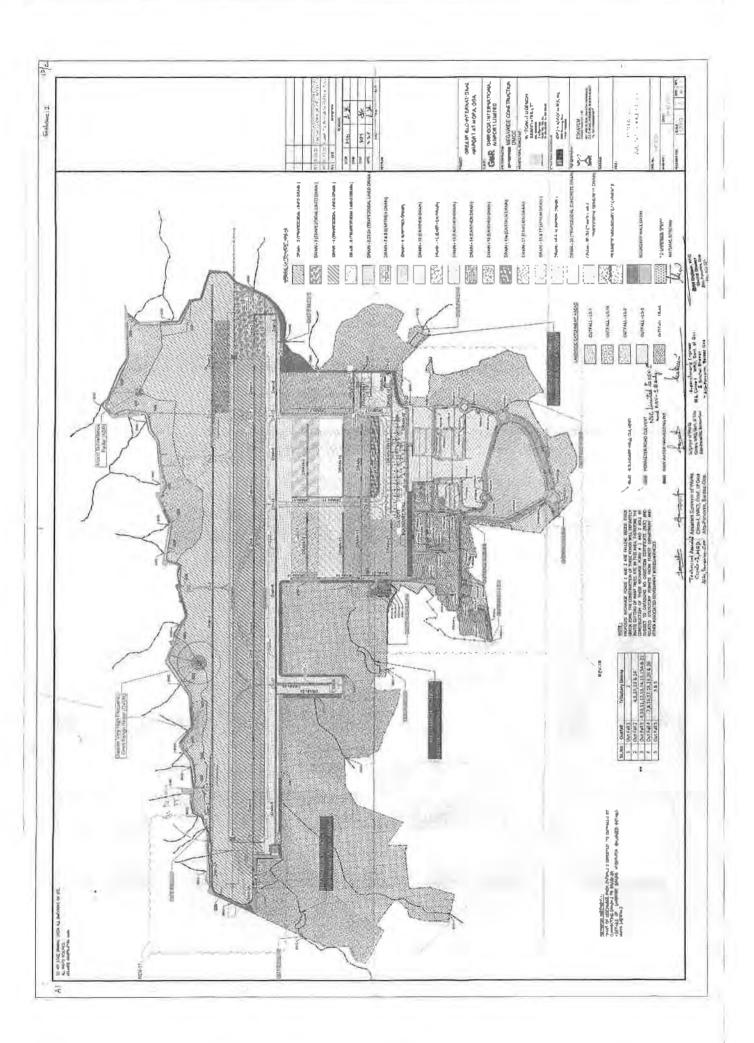
Chief Engineer (W)

Copy for information to:-

1. The Member Secretary, GSPCB, Saligao, Bardez - Goa.

- 2. The Superintending Engineer, Circle I/II, WRD, Sinchai Bhawan, Porvorim/Karaswada Goa.
- 3. The Executive Engineer, Div I/VII WRD, Porvorim Dhargal Goa.
- The Assistant Engineer SD III, WDI, WRD, Pernem Goa.

" CONSERVE WATER, CONSERVE LIFE "



#### Appendix -3

Consent to Establish for Fuel Farm (BPCL) and Amendment.

### GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001-2015, ISO 14001:2015, ISO 45001:2018 Certified Board)

Phone Nos : 0832- 2407700, 2407701, 2407702 Tel/Fax No: 0832- 2407700



Email Ids.
Chairman, GSPCB, chairman-gspcb.goa@nic.in
Member Secretary, GSPCB, ms-gspcb.goa@nic.in
Office: mail.gspcb@gov.in

Date: 07/06/2022

No.12/2022-PCB/1184508/R0009200

Consent to Establish under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

[To be referred as Water Act, & Air Act respectively].

CONSENT TO ESTABLISH is hereby granted to:

#### M/s. BHARAT PETROLEUM CORPORATION LIMITED

(Represented by: Mr. Sampath Kumar Arsur)
(Red Category)

Within the premises of GMR Goa International Airport Limited, Mopa, Pernem, Goa

Located in the area declared under the provisions of the Water Act and Air Act, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

- 1. The Consent to Establish is valid upto commissioning of the unit or 3 years whichever is earlier.
- This Consent to Establish is valid for the activity as mentioned below:

Sr. No	Description	Capacity
1.	Storage of Aviation Turbine Fuel (ATF)	9242 KL

#### 3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

(i) The daily quantity of domestic effluent from the unit shall not exceed 2 KLD.

#### (ii) Domestic Effluent treatment and Disposal:-

The unit shall treat the domestic effluent in sewage treatment plant of GMR Airport, so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	Not more than 20
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10mg/l
NH4-N	Not to exceed	5mg/i
N-Total	Not to exceed	10mg/l
Fecal Coliform	Less than	100mg/1

Page 1 of 7

- (iii) A good house-keeping shall be maintained within the unit premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas & water body.
- (iv) The unit should have zero discharge policy, ie, the treated waste water may be re-used in process/green belt development /or any other use as deemed fit by the unit with due permission from the Board.

#### (v) Non-Hazardous Solid Waste:

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board:

The total quantity shall be segregated and treated as follows:

Sr.	Type of segregated solid waste	Quantity	Disposal
no.			

(vi) The applicant should upload monthly statement (below format) regarding the solid waste generation online.

Sr. No.	Date	Quantity of wet/dry waste	Name of agency collecting the wet/ dry waste	Authorized Signatory

#### 4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

(i) The unit shall maintain and operate air pollution control system of adequate capacity for the following equipments

Sr.	Name of	No of	Capacity	SO <sub>2</sub>	NOx	HC	CO	PM
No	Equipments/ Installation	Installati on		Kg/Hr		(g/	kw-hr)	
1.	D. G. Set	01	380 KVA	2.88	9.2	1.3	3.5	0.3
2.	D.G. Set	01	125 KVA	1.44	9.2	1.3	3.5	0.3

(ii) The unit shall erect the chimney(s) of the following specification

Sr.	Chimney attached to	Height
No.		
1.	D. G. Set(for 380 KVA)	5.5 meters
2.	D. G. Set(for 125 KVA)	4.0 meters

(iii) The unit shall observe the following standards:-

Sr. No	Type of fuel	Quantity /hr
1.	D. G. Set(for 380 KVA)	40 liters/hr.
2.	D. G. Set(for 125 KVA)	20 liters/hr.

(iv) The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring – Material & methodology for isokinetic sampling.

- (v) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.
- (vi) The unit should carry out emission monitoring from the stacks twice a year from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board.

(vii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows:

Category of Area/ Zone	Limits in dB (A) Leq		
	Day time	Night time	
Industrial Area	75	70	
Commercial Area	65	55	
Residential Area	55	45	
Silence Zone	50	40	

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

# 5. <u>CONDITIONS REQUIRED TO BE COMPLIED UNDER THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT RULES 2016, AS AMENDED THEREAFTER:</u>

i) The unit is hereby granted authorization to operate a facility for collection, storage and disposal of hazardous wastes as specified below:

Sr. No.	Category	Type of waste	Quantity	Mode of disposal
1,	5.1	Used/Spent oil	0.06 MT/ annum	To recycler registered with SPCB and having valid authorization of SPCB.

- ii) The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rule made there under.
- iii) The person authorized shall not rent, lend, sell or transfer or otherwise transport the hazardous waste without obtaining prior permission of the Goa State pollution Control Board.
- iv) Any unauthorized change in personnel, equipment or working conditions as mentioned in the unit by the person authorized shall constitute a breach of his authorization.
- v) It is a duty of the authorized person to take permission of the Goa State Pollution Control Board to close down the facility.
- vi) The inner bottom surfaces of the tank shall be impervious enough to prevent leakage or seepage of these wastes into the sub surface soil or ground water.
- vii) The occupier shall maintain a manifest system as per Rule 21 (1) for disposal of hazardous wastes to ensure that these wastes are delivered to the designated facility preventing pilferage and clandestine disposal due to unforescen events that may occur during transit.
- viii) The manifest shall be endorsed by the dispatcher, transporter and receiver of hazardous wastes. The endorsed copy shall be furnished to the Goa State Pollution Control Board.

Page 3 of 7	
Opp Saligao Seminary, Saligao-Barde	ez Goa-403511

- ix) Under any circumstances the hazardous waste shall not be disposed to unauthorized facilities
- x) The occupier shall maintain the records for collection, storage and disposal of hazardous waste in Form 3 of as per Hazardous Waste (Management & Transboundary Movement) Amended Rules 2018.
- xi) The occupier shall furnish monthly returns for collection, storage and disposal of hazardous waste through OCMMS systems.
- xii) The unit shall put up an online board (minimum size 6x4 Feet) at prominent location near the main gate providing details as follows in English and Konkani languages:-
  - Hazardous Waste category number.
  - Hazardous Waste quantity number.
  - Treatment facility for each category.
  - Mode of disposal for each category.
  - Hazardous Waste Authorization number, date and validity period.
  - Water Consent number, date and validity period.
  - Air Consent number, date and validity period.
  - Quantity and Nature of Hazardous Chemicals being used.
- xiii) The occupier shall ensure that the Hazardous Wastes are not allowed to be stored for more than 90 days.
- xiv) The unit shall submit annual returns online in prescribed format on or before 30th June of every year

#### GENERAL CONDITIONS: 6.

- î. Trees shall be planted and maintained around the plant in an area at least 4 times the built area of the industry. Green belt development shall be started along with the construction activity.
- ii. The applicant shall not change or alter the quantity of discharge and the mode of disposal of the effluent without previous written permission of the Board.
- HI. The applicant shall provide facilities for collection of the samples to the Board staff.
- The unit shall discharge the treated effluents preferably on land for irrigation / gardening / iv. lawn within their own premises or re-use after suitable treatment.
- Stack heights for a (Diesel generator set(s) shall be as follows: ٧.
  - Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + \sqrt[9m]{KVA}$  where H = total height of the stack inmoters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.

The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:

The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.

- vi. The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- vii. The unit shall implement the following Rules and Regulations notified by the Ministry of Environment, Forests & Climate Change (MoEF & CC), Govt. of India.
  - a) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, Amendment 2018.
  - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989.
  - Rules for the Manufacture, Use, Import and Storage of Hazardous Micro organism /-Genetically Engineered Organisms or Cell, 1989.
- viii. There shall not be any perceptible odour outside the industrial premises.
- ix. The unit should implement rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Govt, of Goa and Directorate of Industries, Trade and Commerce, Govt. of Goa.
- x. All the Rules and Regulations notified by the Ministry of Environment, Forests and Climate Change (MoHF & CC), Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
- xil Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (*Prevention and Control of Pollution*) Act 1974 and under section 21(4) of the Air (*Prevention and Control of Pollution*) Act 1981 to review any or all the conditions imposed hereby.
- xii. Any change in the details made after the submission of the application / after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
- xiii. This Consent to Establish (CTE) is granted without any prejudice to any other permission(s) required under any laws, by e-laws and regulations in force.
- xiv. The unit should obtain permission from the Forest Department / Wild Life Board wherever applicable.
- xv. The unit may like to implement rain-water harvesting and ground water re-charge measures before submitting an application for Consent to Operate.
- xvi. The unit shall / generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under Bio-Medical Waste Management Amended Rules, 2018. Any activity as defined under BMWM Rules has to obtain a separate Authorisation from Goa State Pollution Control Board.
- xviii The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
- xviii. The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (*Prevention and Control of Pollution*) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant.

- xix. The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
- xx. The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2001, if applicable.
- xxi. The unit shall submit returns for disposal of e waste under the E- Waste *Management* Rules 2016 as amended thereafter, if applicable.
- xxii. The unit shall submit returns for disposal of plastic waste under the Plastic Waste Management Rules 2016 as amended thereafter, if applicable.
- xxiii. The unit shall comply to the Guidelines and dust mitigation measures in handling Construction material and C & D waste issued by central Pollution Control Board and are placed on Board website <a href="https://www.goaspcb.gov.in">www.goaspcb.gov.in</a>

To, M/s. Bharat Petroleum Corporation Limited C/o. Mr. Sampath Kumar Arsur, Mopa International Airport, Mopa, Pernem, Goa

Copy to: -

1 Accounts Section

2 Concerned File

3 Guard File

Received Consent fee of: The capital Investment of the unit is Rs. 4695.61 lakhs/-

Cheque no.	Amount	Date	
687694	Rs.100700	07/04/2022	

(Dr. Shamila Monteiro) Member Secretary For Goa State Pollution Control Board

#### CUSTOMER FEEDBACK

Dear Citizen / Customer, We appreciate you for sparing a few minutes for giving	us your voluable	· feedback o	in our se	rvices		
Name :			ontaçt			
Address:	***********		*******	*******		
Enail:		Date.	******			
Name of	the		:	service		availed:
						343344344 <del>4444</del>
Are you aware that service standards are included in the	: Citizen's Chart	er as availa	ble on Bo	ard's websit	e : <u>www.g</u> c	oaspcb,gov.in?
Yes No						
If yes, is the Citizen Charter simple and easy to understa	and?					
Yes No						
Description of service delivery parameters	Excellent	Good	Fair	Average	Poor	Reason for
(Consents/Authorisation/RTI's/Complaints etc.) Time taken to deliver service in comparison to service					1	grading
standards mentioned in Citizen's Charter						
Quality of service (accuracy, completeness)						
Knowledge of dealing hand / staff regarding services/schemes						
Courtesy of staff						
Board's response in view of your query/requirement is to your satisfaction						
Date of your visit to the office and your overall experience						
Suggestions for improvement, if any						
To, The Member Secretary, Goa State Pollution Control Board, Near Pilerne Industrial Estate, Opposite Saligao Seminary, Saligao, Bardez, Goa. 4035	ii 1					Signature & date
Please note that your feedback is considered service of environment.	dessential for o	verall impo	ovement	and develop	oment of t	Board functions in
	Page 7 of	7				SANGERS OF THE
Near Pilerne Industrial Estate, Op	pp Saligao S	enninary.	Saligac	-Bardez (	Goa-403	511

#### Appendix -4 Consent to Establish for Air Cargo

## GOA STATE POLLUTION CONTROL BOARD

## गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001-2015, ISO 14001:2015, ISO 45001:2018 Certified Board)

Phone Nos: 0832-2407700, 2407701, 2407702 Tet/Fax No: 0832-2407700



Email Ids: Chairman, CSPCB, chairman-gspcb.goa@nic.in

Member Secretary, GSPCB, ms-gspcb.goa@nic.in

Office: mail.gspcb@govun.

No.12/2022-PCB/1223009/G0009473

Date:07/06/2022

Consent to Establish under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6(i) of the Hazardous and Other Wastes (Management and Transboundry Movement) Rules 2016 as amended thereafter.

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

CONSENT TO ESTABLISH is hereby granted to:

M/s. GMR Airports Limited - Air Cargo Terminal (Represented by: Shri, Saurabh Kumar) (Red Category)

#### Green Field International Airport, Mopa, North Goa

Located in the area declared under the provisions of the Water Act and Air Act, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Establish is valid upto commissioning of the unit or 3 years whichever is earlier.

2. This Consent to Establish is valid for the activity as mentioned below;

Sr. No	Description	Quantity
1.	Air Cargo	30000 MT/annum

#### CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT: 3.

The daily quantity of domestic effluent from the unit shall not exceed 2 KLD.

#### (ii) Domestic Effluent treatment and Disposal:-

The unit shall be treated in sewage treatment plant of GMR Airport, so as to achieve the

quality of the treated effluent to the following standards:

Йq	Between	5.5 & 9.0
Suspended Solids	Not to exceed	Not more than 20
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10mg/l
NH4-N	Not to exceed	5mg/l
N-Total	Not to exceed	10mg/l
Fecal Coliform	Less than	100mg/l

Page 1 of 6

- (iii) good house-keeping shall be maintained within the unit premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas & water body.
- (iv) The unit should have zero discharge policy, ie, the treated waste water may be reused in process/green belt development /or any other use as deemed fit by the unit with due permission from the Board.

#### (v) Non-Hazardous Solid Waste:

All the Solid wastes arising in the unit premises shall be properly classified and disposed off to the satisfaction of the Board as follows:

Sr, no.	Type of segregated solid waste	Quantity	Disposal
1	Dry/Wet waste (MSW)	60 Kg/ month	To be disposed through Airport waste management.
2.	Wooden pallets	20 Metric	To be Sold to recyclers / agency registered with the Board.

(vi) The applicant should upload monthly statement (below format)regarding the solid waste generation online.

Sr. No.	Date	Quantity of wet/dry waste	Name of agency collecting the wet/ dry waste	Authorized Signatory

#### 4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

(i) The unit shall maintain and operate air pollution control system of adequate capacity for the following equipments

Sr.	Name e	of No	of	Capacity	SO <sub>2</sub>	NOx	HC	CO	PM	
No	Equipments	/ Insta	allati		Kg/Hr	(g/kw-hr)		kw-hr)		
	Installation	on								
1	D. G. Set	01		500 KVA	3.6	9.2	1.3	3.5	0.3	

(ii) The unit shall erect the chimney(s) of the following specifications

Sr. Chimney attached to No		Height
1.	D. G. Set(for 500 KVA)	22 meters

(iii) The unit shall observe the following standards:-

Sr. Type of fuel No		Quantity /hr			
1,	D. G. Set(for 500 KVA)	50 liters/hr.			

- (iv) The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring – Material & methodology for isokinetic sampling
- (v) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.

- (vi) The unit should carry out emission monitoring from the stacks once a year from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board.
- (vii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows:

Category of Area/ Zone	Limits in dB (A) Leq				
	Day time	Night time			
Industrial Area	75	70			
Commercial Area	65	55			
Residential Area	55	45			
Silence Zone	50	40			

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

(viii) The unit shall comply to the Notification issued by the Department of Environment vide Notification Series II No.42 dated 13th January 2022 regarding The Noise Pollution (Regulation and Control) Rules 2000, in view of the directions dated 15/03/2019 issued by the Hon'ble NGT in O.A. 681/2018.

#### 5. GENERAL CONDITIONS:

- i. Trees shall be planted and maintained around the plant in an area at least 4 times the built area of the industry. Green belt development shall be started along with the construction activity.
- ii. The applicant shall not change or alter the quantity of discharge and the mode of disposal of the effluent without previous written permission of the Board.
- iii. The applicant shall provide facilities for collection of the samples to the Board staf-
- iv. The unit shall discharge the treated effluents preferably on land for irrigation / gardening / lawn within their own premises or re-use after suitable treatment.
- v. Stack heights for a (Diesel generator set(s) shall be as follows:
  - Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + \sqrt[6\pi]{KVA}$  where H = total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.
  - The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:
  - The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.
- vi. The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- vii. The unit shall implement the following Rules and Regulations notified by the Ministry of Environment, Forests & Climate Change (MoEF & CC), Govt. of India.
  - a) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, Amendment 2018.
  - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989.
  - c) Rules for the Manufacture, Use, Import and Storage of Hazardous Micro organism /- Genetically Engineered Organisms or Cell, 1989.
- viii. There shall not be any perceptible odour outside the industrial premises.
- ix. All the Rules and Regulations notified by the Ministry of Environment, Forests and Climate Change (MoEF & CC), Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
- x. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (*Prevention and Control of Pollution*) Act 1974 and under section 21(4) of the Air (*Prevention and Control of Pollution*) Act 1981 to review any or all the conditions imposed hereby.
- xi. Any change in the details made after the submission of the application / after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
- xii. This Consent to Establish (CTE) is granted without any prejudice to any other permission(s) required under any laws, bye laws and regulations in force.
- xiii. The unit should obtain permission from the Forest Department / Wild Life Board wherever applicable.
- xiv. The unit may like to implement rain-water harvesting and ground water re-charge measures before submitting an application for Consent to Operate.
- xv. The unit shall / generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under Bio-Medical Waste Management Amended Rules, 2018. Any activity as defined under BMWM Rules has to obtain a separate Authorisation from Goa State Pollution Control Board.
- xvi. The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
- The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant.
- The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
- xix. The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2001, if applicable.

- xx. The unit shall submit returns for disposal of e waste under the E- Waste *Management* Rules 2016 as amended thereafter, if applicable.
- xxi. The unit shall submit returns for disposal of plastic waste under the Plastic Waste Management Rules 2016 as amended thereafter, if applicable.
- xxii. The unit shall comply to the Guidelines and dust mitigation measures in handling Construction material and C & D waste issued by central Pollution Control Board and are placed on Board website <a href="https://www.goaspcb.gov.in">www.goaspcb.gov.in</a>
- xxiii. The import, stocking, distribution, sale and use of following single use plastic, including polystyrene and expanded polystyrene, commodities shall be prohibited with effect from the 1st July, 2022 as per the Plastic Waste Management (Amendment) Rules, 2021.

To, M/s. GMR Airports Limited - Air Cargo Terminal (Represented by: Shri Saurabh Kumar) Green Field International Airport, Mopa, North Goa

Copy to: -

1 Accounts Section

2 Concerned File

3 Guard File

Received Consent fee of: The capital Investment of the unit is Rs. 1,986,00,00,000/-

Cheque no.	Amount	Date		
22097828557	Rs.84000	07/04/2021		

(Dr. Shamila Monteiro)

Member Secretary

For Goa State Pollution Control Board

CUST	PONIER FEEDI	BACK				
Dear Citizen / Customer, We appreciate you for sparing a few minutes for giving us your	valuable feedba	ek on our serv	rices			
Name :		Conta	acı			*********
Address:		*******			***************************************	
,Fanoil:		.Date				
Name of the service availed.						
Are you aware that service standards are included in the Citizen	i's Charter as aw	ailable on Boa	rd's webs	ite : <u>www.goas</u>	pcb.gov.in?	
Yes No						
If yes, is the Citizen Charter simple and easy to understand?						
Yes No						
Descrip ervice delivery parameters (Consents/Authorisation/RTI's/Complaints etc.)	ellent	Good	Fair	Average	Poor	Reason for grading
Time taken to deliver service in comparison to service						
standards mentioned in Citizen's Charter						
Quality of service (accuracy, completeness)						
Knowledge of dealing hand / staff regarding services/schomes						
Courtesy of staff						
Board's response in view of your query/requirement is to your satisfaction						
Date of your visit to the office and your overall experience						
Suggestions for improvement, if any	25		Y			
						******
***************************************						
					Si	gnature & date
To,						
The Member Secretary,						
Gea State Pullution Control Board, Near Palerne Industrial Estate,						
Opposite Saligao Seminary, Saligau, Bardez, Gos. 403511						
<ul> <li>Please note that your feedback is considered east.</li> </ul>	tial for overall i	nsprovement	and devet	opment of Boa	ard function	s in service of
environment.						

#### Appendix -5

Consent to Establish for Terminal Hotel Building

### GOA STATE POLLUTION CONTROL BOARD

### गोंय राज्य प्रदूषण नियंत्रण मंडळ (An ISO 9001-2015, ISO 14001:2015. ISO 45001:2018 Certified Board)

Phone Nos: 0832- 2407700,

2407701, 2407702

Tel/Fax No: 0832- 2407700



Email (ds:

Chairman, GSPCB, chairman-gspcb.goa@nic.in Member Secretary, GSPCB, ms-gspcb.goa@nic.in

Office, mail.gspcb@gov.in

No.12/2022-PCB/1223590/R0009477

Date: 08/06/2022

Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6(i) of the Hazardous Wastes (Management and Transboundary Movement) Rules 2016, As amended thereafter [To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

Consent to Establish is hereby granted to:

#### M/s. GGIAL TERMINAL HOTEL (Represented by: Mr. Ranganathan Venkata Sheshan) (Red Category)

Within the premises of GMR Goa International Airport Limited, Mopa, Pernem, Goa

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M & T) Rules, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions

1. The Consent to Establish is valid upto commissioning of the unit or 3 years whichever is earlier.

2. This Consent to Establish is valid for:

Sr. No	Description	Quantity
1,	Rooms	220 Rooms
2.	Restaurant	2 nos. (230 persons seating capacity)

#### CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

The daily quantity of effluent from the hotel & Restaurant (sewage & sullage) shall not exceed 136 K.L.D. (i)

#### (ii) Sewage Treatment Plant:

The hotel shall install sewage treatment plant (200 KLD capacity) of MBBR technology, as proposed, consisting of primary treatment comprising of Bar screen & oil & grease trap, secondary treatment comprising of aeration / MBR reactor & clarifier tank and tertiary treatment comprising of pressure sand filter & activated carbon filter as is warranted with reference to influent quality and operate & maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	Not more than 20
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Greasc	Not to exceed	10mg/1
N-Total	Not to exceed	10mg/l
Fecal Coliform	Less than	100mg/1

#### (iii) Sewage Disposal:

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the hotel premises.

Page 1 of 6

- (iv) The hotel shall provide a proper Oil and Grease Trap for effluent arising from its kitchen and laundry and shall have to comply with the 'General Standards for Discharge of Environmental Pollutants Part-A: Effluents' notified under Schedule-VI
- (v) A good house-keeping shall be maintained within the hotel premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas.

#### (vi) Non-Hazardous Solid Waste:

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board.

The total quantity shall be segregated and treated as follows:

Sr. no.	Type of segregated solid waste	Quantity	Disposal
]	Bio degradable waste	25 kg/ per day	Proposed to compost within premises
2	Non bio degradable waste	15 kg/ per day	To be disposed through the local body.
3	Used cooking oil	50 litres/day	To be disposed through authorized recycler.

(vii) The applicant should upload monthly statement (below format) regarding the solid waste generation online.

Sr. No.	Date	Quantity of wet/dry waste	Name of agency collecting the wet/ dry waste	Authorized Signatory

(viii) The hotel industry shall provide machinery/equipment/facility for converting bio-degradable/ organic waste generated from the hotel to compost so as to meet the standard for compost prescribed in the Solid Waste Management 2016.

#### 4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

The hotel unit shall maintain and operate air pollution control system of adequate capacity for the following.

equipments

Sr. No.	Name of	No of	Capacity	SO <sub>2</sub>	NO,	IIC	CO	PM
	Equipments/ Installation	Installation		Kg/Hr		(g/k	w-hr)	
l.	D.G. set	02	625 K V A	6.48	9.2	1.3	3.5	0.3

(ii) The hotel unit shall creet the chimney(s) of the following specifications:

Sr. No	Chimney attached to	Height
1.	D.G. set (for 625 KVA)	12 meters

(iii) The hotel unit shall observe the following standards:-

Type of fuel	Quantity /hr
H.S.D. (for 625 KVA D.G. set)	90 litres /hr
	- 23

- (iv) The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring -Material & methodology for isokinetic sampling.
- (v) The hotel unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.

(vi) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The timits are as follows.

Category of Area/ Zone	Limits in dB (A) Leq			
	Day time	Night time		
Industrial Area	75	70		
Commercial Area	65	55		
Residential Area	55	45		
Silence Zone	50	40		

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

(vii) The unit shall comply to the Notification issued by the Department of Environment vide Notification Series II No.42 dated 13th January 2022 regarding The Noise Pollution (Regulation and Control) Rules 2000, in view of the directions dated 15/03/2019 issued by the Hon'ble NGT in O.A. 681/2018.

#### 5. GENERAL CONDITIONS

- (i) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (ii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- (iii) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (iv) The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- (v) The applicant shall not change or alter the quantity, the rates of discharge, temperature and the mode of disposal of the effluent without previous written permission of the Board.
- (vi) The applicant shall provide facilities for collection of the samples to the Board staff.
- (vii) The applicant shall discharge the treated effluents preferably on land for irrigation/ gardening/ lawn within their own premises or re-use after suitable treatment.
- (viii) Stack heights for a (Diesel generator set(s) shall be as follows:
  - (a) Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + {}^{0.2}\sqrt{KVA}$  where H = total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.
    - The generator shall be installed in a closed area with a sileneer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:
    - The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.
- (ix) The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

- (x) The applicant shall implement the following Rules and Regulations notified by the Ministry if Environment and Forests, Govt, of India.
  - a) Hazardous Wastes (Management) Rules, 2016;
  - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989;
  - e) Rules for the Manufacture, Use, Import and Storage of Hazardous Micro organism / Genetically Engineered Organisms or Cell, 1989.
- (xi) There shall not be any perceptible odour outside the premises.
- (xii) All the Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
- (xiii) Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (Prevention and Control of Pollution) Act 1974 and under section 21(4) of the Air (Prevention and Control of Pollution) Act 1981 to review any or all the conditions imposed hereby.
- (xiv) Any change in the details made after the submission of the application/ after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
- (xv) This Consent to Establish is granted without any prejudice to any other permissions(s) required under any laws, bye laws and regulations in force.
- (xvi) The unit should obtain permission from the Forest Department/ Wild Life Board wherever applicable.
- (xvii) The unit should implement—rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Government of Goa and Directorate of Industries, Trade and Commerce, Government of Goa, before submitting an application for Consent to Operate.
- (xviii) The unit/ generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management) Rules, 2016. Any activity as defined under BMW (M) Rules has to obtain a separate Authorization from Goa State Pollution Control Board.
- (xix) The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
- (xx) The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant
- (xxi) Reliable flow meter shall be installed to maintain record of water consumption / waste water consumption per day. This records so maintained shall be made available to the Board officials whenever required.
- (xxii) The unit shall bear the cost of analysis / monitoring in case of complaints received by the Board/ reinspections due to non-compliances observed by the Board & monitoring carried by the Board.
- (xxiii) The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable

- (xxiv) The hotel unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2001, if applicable.
- (xxv) The hotel unit shall submit returns for disposal of e waste under the E- Waste Management Rules 2016, as amended thereafter, if applicable.
- (xxvi) The hotel unit shall submit returns for disposal of plastic waste under the Plastic Waste Management Rules 2016, as amended thereafter, if applicable.
- (xxvii) The unit shall comply to the guidelines and DUST Mitigation measures in handing Construction material and C and D waste issued by Central Pollution Control Board and are placed on Board website goaspeb, gov. in.
- (xxviii) The unit shall comply to the Circular issued by the Board regarding "Mechanism/Guidelines for Control of Pollution and Enforcement of Environment norms at individual establishments and the area/cluster of Restaurants/hotels/motels/banquets etc. in view of the NGT Order in OA No 400/201 dated 10/06/2021 and as amended thereafter.
- (xxix) The import, stocking, distribution, sale and use of following single use plastic, including polystyrene and expanded polystyrene, commodities shall be prohibited with effect from the 1st July, 2022 as per the Plastic Waste Management (Amendment) Rules, 2021.

To, M/s GGIAL Terminal Hotel C/o by: Shri. Ranganathan Venkata Sheshan Grienfield Airport, Mopa, Pernem-Goa

Copy to:-

1 Accounts Section

2 Concerned File

3 Guard File

Received Consent fee of: The Capital Investment of the unit is Rs. 110 Crores

Cheque no.	Amount	Date	
320220322002306	Rs. 200700/-	22/03/2022	

(Dr. Shamila Monteiro) Member Secretary For Goa State Pollution Control Board

#### CUSTOMER FEEDBACK

Dear Citizen / Customer,							
We appreciate you for sparing a few minut	_						
Name :							
Address:,,,							
Email:					*********	name and	
Name of the service availed:							
Are you aware that service standards are in	eluded in th	ie Citize	n's Ch	arter as av	allable	on Board's webs	site
:www.goaspcb.gov.in?							
Yes		. 10					
If yes, is the Citizen Charter simple and car	sy to unders	tana?					
Yes No							
Description of service delivery	Excellent	Good	Fai	Averag	Poor	Reason	
parameters	LACONOM	0000	r	c	1001	for	
(Consents/Authorisation/RTTs/Complain			1.	ľ		grading	
						grading	
ts etc.)							
Time taken to deliver service in							
comparison to service standards							
mentioned in Citizen's Charter							
Quality of service (accuracy,							
completeness)							
Knowledge of dealing hand / staff							
regarding services/schemes							
Courtesy of staff							
Board's response in view of your							
query/requirement is to your satisfaction							
<b>4</b> y							
Date of your visit to the office and your							
overall experience							
Suggestions for improvement, if any							
Suggestions for improvement, if any							
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
***************************************	*************						
				Sign	ature &	date	
To,				_			
The Member Secretary,							
Goa State Pollution Control Board,							
Near Pilerne Industrial Estate,							
Opposite Saligao Seminary, Saligao, Barde						4	
❖ Please note that your feedback is cons		ential for	overa	iii improvi	ement a	na developmen	LOI
Board functions in service of environm	cm.						
	т	.51					
	Page 6	or p					
***************************************							

#### Appendix -6

# GOA STATE POLLUTION CONTROL BOARD गोंय राज्य प्रदुषण नियंत्रण मंडळ

(An ISO 9001-2015, ISO 14001:2015, ISO 45001:2018 Certified Board)

Phone Nos: 0832-2407700,

2407701, 2407702

Tel/Fax No: 0832- 2407700



Email Ids:
Chairman, GSPCB, chairman-gspcb.goa@nic.in
Member Secretary, GSPCB, ms-gspcb.goa@nic.in
Office: mail.gspcb@gov.in

No.12/2022-PCB/1200120/O0009302

Date: 10/06/2022

Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6(i) of the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules 2016, As amended thereafter

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

Consent to Establish is hereby granted to:

M/s. TAJSATS AIR CATERING LIMITED (Represented by: Mr. Probal Dey)
(Orange Category)

Within the premises of GMR Goa International Airport Limited, Mopa, Pernem, Goa

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M & T) Rules, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions

1. The Consent to Establish is valid upto commissioning of the unit or 3 years whichever is earlier.

This Consent to Establish is valid for operation of:

Sr. No	Description	Quantity
1.	In-flight Air Catering unit	7000 meals/ day

#### 3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

(i) The daily quantity of effluent from the catering unit (sewage & sullage) shall not exceed 45
 K.L.D.

#### (ii) Sewage Treatment Plant:

The catering unit shall install sewage treatment plant (60 KLD capacity) of MBBR technology, as proposed, consisting of primary treatment comprising of Bar screen & oil & grease trap, secondary treatment comprising of acration / MBR reactor & clarifier tank and tertiary treatment comprising of pressure sand filter & activated carbon filter as is warranted with reference to influent quality and operate & maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0	
Suspended Solids	Not to exceed	Not more than 20	
BOD, 3 days, 27° C	Not to exceed	10 mg/I	
COD	Not to exceed	50 mg/1	
Oil & Grease	Not to exceed	10mg/l	

Page 1 of 7

NH4-N	Not to exceed	5mg/l	
N-total	Not to exceed	10mg/l	
Fecal Coliform	Less than	100mg/l	

#### (iii) Sewage Disposal:

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the premises.

- (iv) The unit shall provide a proper Oil and Grease Trap for effluent arising from its kitchen and laundry and shall have to comply with the 'General Standards for Discharge of Environmental Pollutants Part-A: Effluents' notified under Schedule-VI
- (v) A good house-keeping shall be maintained within the premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas.

#### (vi) Non-Hazardous Solid Waste:

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by:

The total quantity shall be segregated and treated as follows:

Sr. no.	Type of segregated solid waste	Quantity	Disposal
L,	Dry waste	4.5 MT/month	To be Disposed through authorized vendor
2,	Wet waste	4.5 MT/month	To be composted through organic waste converter
3	Used cooking oil	200 Lit/month	To be disposed through registered vendors

(vii) The applicant should upload monthly statement (below format)regarding the solid waste generation online.

Sr.	Date	Quantity of	Name of agency collecting	Authorized Signatory
No.		wet/dry waste	the wet/ dry waste	

- (viii) The catering unit should install/establish machinery/equipment/facility for converting biodegradable /organic waste generated from the unit to compost so as to meet the standard for compost prescribed in the Municipal Solid Waste (Management & Handling) Rules, 2000.
- (ix) The unit should have zero discharge policy, i.e. the treated waste water may be re-used in process/green belt development/or any other use as deemed fit by the unit with due permission from the Board.

#### 4. CONDITIONS REQUIRED TO BE COMPLJED UNDER THE AIR ACT

(i) The unit shall maintain and operate air pollution control system of adequate capacity for the following equipments

Sr. No.	Name o Equipments/	of No of Installation	Capacity	SO <sub>2</sub> Kg/Hr	NO <sub>s</sub>	HC	CO	PM
	Installation	7100010011				(g/k	w-hr)	
1.	D.G. Set	1	750 KVA	2.88	9.2	1.3	3.5	0.3

(ii) The unit shall erect the chimney(s) of the following specifications:

Sr. No	Chimney attached to	Height
1.	D.G. Set (750 KVA)	15 mtrs

(iii) The unit shall observe the following standards:-

Sr. No	Type of fuel	Quantity /hr
1.	D.G. Set (750KVA)	40 ltrs/hr

- (iv) The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring -Material & methodology for isokinetic sampling.
- The catering unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.
- (vi) The catering unit should carry out emission monitoring from the stacks once in 3 months from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board by the 15th of subsequent month.

(vii) The catering unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

Category of Area/ Zone	Limits in dB (A) Leq			
	Day time	Night time		
Industrial Area	75	70		
Commercial Area	65	55		
Residential Area	55	45		
Silence Zone	50	40		

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

- (viii) The unit shall comply to the Notification issued by the Department of Environment vide Notification Series II No.42 dated 13th January 2022 regarding The Noise Pollution (Regulation and Control) Rules 2000, in view of the directions dated 15/03/2019 issued by the Hon'ble NGT in O.A. 681/2018.
- 5. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE HAZARDOUS WASTES (MANAGEMENT AND TRANSBOUNDRY MOVEMENT)RULES 2016, AS AMENDED THEREAFTER:

The unit is hereby granted authorization to operate a facility for collection, storage and disposal of hazardous wastes as specified below:

Sr. No.	Category	Type of waste	Quantity	Mode of disposal
İ	5.1	Used/Spent oil	200 litres/	To recycler registered with SPCB and
			annum	having valid authorization of SPCB

- The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rule made there under.
- (iii) The person authorized shall not rent, lend, sell or transfer or otherwise transport the hazardous waste without obtaining prior permission of the Goa State pollution Control Board.
- (iv) Any unauthorized change in personnel, equipment or working conditions as mentioned in the unit by the person authorized shall constitute a breach of his authorization.
- (v) It is a duty of the authorized person to take permission of the Goa State Pollution Control Board to close down the facility.
- (vi) The inner bottom surfaces of the tank shall be impervious enough to prevent leakage or seepage of these wastes into the sub surface soil or ground water.

- (vii) The occupier shall maintain a manifest system as per Rule 21 (1) for disposal of hazardous wastes to ensure that these wastes are delivered to the designated facility preventing pilferage and clandestine disposal due to unforeseen events that may occur during transit.
- (viii) The manifest shall be endorsed by the dispatcher, transporter and receiver of hazardous wastes. The endorsed copy shall be furnished to the Goa State Pollution Control Board.
- (ix) Under any circumstances the hazardous waste shall not be disposed to unauthorized facilities.
- (x) The occupier shall maintain the records for collection, storage and disposal of hazardous waste in Form 3 of as per Hazardous Waste (Management & Transboundary Movement) Rules Amended 2018.
- (xi) The occupier shall furnish monthly returns for collection, storage and disposal of hazardous waste through online OCCMS systems.
- (xii) The unit shall put up an online board (minimum size 6x4 Feet) at prominent location near the main gate providing details as follows in English and Konkani languages:-
  - Hazardous Waste category number.
  - Hazardous Waste quantity number.
  - Treatment facility for each category.
  - Mode of disposal for each category.
  - Hazardous Waste Authorization number, date and validity period.
  - Water Consent number, date and validity period.
  - Air Consent number, date and validity period.
  - Quantity and Nature of Hazardous Chemicals being used.
- (xiii) The unit shall put up a display board at prominent location near the main gate providing details as per the proforma @ <a href="http://goaspcb.gov.in/Hazardous-Waste-Management">http://goaspcb.gov.in/Hazardous-Waste-Management</a> for display of information related to Air, Water and Hazardous Waste generation.
- (xiv) The occupier shall ensure that the Hazardous Wastes are not allowed to be stored for more than 90 days.
- (xv) The unit shall submit annual returns online in prescribed format on or before 30th June of every year

#### 6. GENERAL CONDITIONS:

- Trees shall be planted and maintained around the plant in an area at least 4 times the built area of the industry. Green belt development shall be started along with the construction activity.
- ii. The applicant shall not change or alter the quantity of discharge and the mode of disposal of the effluent without previous written permission of the Board.
- The applicant shall provide facilities for collection of the samples to the Board staff.
- iv. The unit shall discharge the treated effluents preferably on land for irrigation / gardening / lawn within their own premises or re-use after suitable treatment.

- v. Stack heights for a (Diesel generator set(s) shall be as follows:
  - Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + \sqrt[6-2]{KVA}$  where H total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.

The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:

The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.

- vi. The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- vii. The unit shall implement the following Rules and Regulations notified by the Ministry of Environment, Forests & Climate Change (MoEF & CC), Govt, of India.
  - Hazardous and Other Wastes (Management and Transboundary Movement) Rules2016, as amended thereafter.
  - b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989.
  - c) Rules for the Manufacture, Use, Import and Storage of Hazardous Micro -- organism /- Genetically Engineered Organisms or Cell, 1989.
- viii. There shall not be any perceptible odour outside the premises.
- ix. All the Rules and Regulations notified by the Ministry of Environment, Forests and Climate Change (MoEF & CC), Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
- x. Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (Prevention and Control of Pollution) Act 1974 and under section 21(4) of the Air (Prevention and Control of Pollution) Act 1981 to review any or all the conditions imposed hereby.
- xi. Any change in the details made after the submission of the application / after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
- xii. This Consent to Establish (CTE) is granted without any prejudice to any other permission(s) required under any laws, bye laws and regulations in force.
- xiii. The unit should obtain permission from the Forest Department / Wild Life Board wherever applicable.
- xiv. The unit may like to implement rain-water harvesting and ground water re-charge measures before submitting an application for Consent to Operate.
- xv. The unit shall / generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under Bio-Medical Waste Management Amended Rules, 2018. Any activity as defined under BMWM Rules has to obtain a separate Authorization from Goa State Pollution Control Board.

- xvi. The unit should obtain all permissions / approvals as required under the prevalent Rules / Acts in force.
- xvii. The unit shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (*Prevention and Control of Pollution*) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant.
- xviii. The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
- xix. The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2001, if applicable.
- xx. The unit shall submit returns for disposal of e waste under the E- Waste *Management* Rules 2016 as amended thereafter, if applicable.
- xxi. The unit shall submit returns for disposal of plastic waste under the Plastic Waste *Management* Rules 2016 as amended thereafter, if applicable.
- xxii. The unit shall comply to the Guidelines and dust mitigation measures in handling Construction material and C & D waste issued by central Pollution Control Board and are placed on Board website www.goaspeb.gov.in
- xxiii. The import, stocking, distribution, sale and use of following single use plastic, including polystyrene and expanded polystyrene, commodities shall be prohibited with effect from the 1st July, 2022 as per the Plastic Waste Management (Amendment) Rules, 2021.

To,
M/s. TAJSATS AIR CATERING LIMITED
C/o. Mr. Probal Dey
Within the premises of GMR Gos International Airport Limited,
Mopa, Pernem, Gos

Copy to:-

- I. Accounts Section
- 2. Concerned File
- Guard File

Received Consent fee of: The Capital Investment of the unit is Rs. 26.02 Crore/-

Cheque no.	Amount	Date
522144	Rs. 67400	17/03/20202

(Dr. Shamila Monteiro) Member Secretary Gua State Pollution Control Board

· · ·	MER FEEDI	BACK				
Dear Citizen / Customer, We appreciate you for sparing a few minutes for g	iving us your	valuable fe	eedback	on our servi	ces	
Name :						
Contact						
Address:						
***************************************			********	**********	* * * ********	***************************************
Email:	***************************************		Date	***************************************	***********	
Are you aware that service standards are included :www.goaspeb.gov.in?	m the Citizen	's Charter	as avana	ple on Boar	d's webs	ite
Yes No (						
If yes, is the Citizen Charter simple and easy to un	derstand?					
Yes No (						
Description of service delivery parameters	Excellent	Good	Fair	Average	Poor	Reason for
(Consents/Authorisation/RT1's/Complaints etc.) Time taken to deliver service in comparison to		-	-			grading
service standards mentioned in Citizen's Charter						
30 VICO Standards incitroned in Citizen & Charles						
Quality of service (accuracy, completeness)						
Knowledge of dealing hand / staff regarding services/schemes						
Courtesy of staff						
Board's response in view of your			-			-
query/requirement is to your satisfaction						
Date of your visit to the office and your overall		-				
experience						
Suggestions for improvement, if any						
				·····		**********
	***********		*******	*********		*******
				Sign	ature & c	iate
To,						
The Member Secretary. Goa State Pollution Control Board.						
Near Pileme Industrial Estate,						
Opposite Saligao Seminary, Saligao, Bardez, Goa.	403511					
<ul> <li>Please note that your feedback is considered service of environment.</li> </ul>	essential for o	overall imp	roveme	nt and deve	lopment	of Board functions

Page 7 of 7

## Appendix -7 Stage-2 Forest Clearance for CAT-1 lighting (6.856 ha) File No.4-GOC1354/2022-BAN



#### भारत सरकार GOVERNMENT OF INDIA पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



समन्वित क्षेत्रीय कार्यातय

INTEGRATED REGIONAL OFFICE Kendriya Sadan, IVth Floor, E& F Wings, 17<sup>th</sup> Main Road, IInd Block, Koramangala, Bangalore - 560 034.

Tel.No.080-25635905, E.Mail: rosz.bng-mef@nic.in

ENO.4- GOCB1354/2022-BAN Dated the 15<sup>th</sup> June, 2022

Τo

The Principal Secretary (Forests), Government of Goa, Secretariat Annexe, Secretariat, Porvorim, Goa -403 521,

Subject: Diversion of 6.856 ha of forest land in Sy.No.19 of Chandel Village of Pernem Taluka, North Goa Forest Division & District for CAT-I Approach Surface Area for International Airport at Mopa in Goa in favour of Director, Directorate of Civil Aviation, Government of Goa.

Sir.

directed am to refer. to the State Government's letter No.6-856-2022-23-FD/Vol.til/368 dated 28/04/2022, email dated 28th April. 2022 received from Deputy Conservator of Forest (M&E) Goa Forest Department seeking prior approval of the Central Government under Section'2' of the Forest (Conservation) Act, 1980 for the above project. The in-principle (Stage-I) approval to the project was accorded by the Central Government vide letter of even number dated 3rd May, 2022. The State Government vide letter No.6-856-2022-23-FD/Vol.III/922 dated 01.06.2022, 6-856-2022-23-FD/Vol.III/1118 dated 10.06.2022 and 6-856-2022-23-FD/Vol.III/1174 dated 14.6.2022 have reported compliance to the conditions stipulated by the Central Government in the in-principle approval.

After careful consideration of the proposal of the State Government, I am directed to convey Central Government's final approval (Stage-II) under Section'2' of Forest (Conservation) Act, 1980 for diversion of 6.856 ha of forest land in Sy.No.19 of Chandel Village of Pernem Taluka, North Goa Forest Division & District for CAT-I Approach Surface Area for International Airport at Mopa in Goa in favour of Director, Directorate of Civil Aviation, Government of Goa subject to the following conditions:-



#### File No.4-GOC1354/2022-BAN

The legal status of diverted forest land shall remain unchanged.

The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost as per the directions of concerned Divisional Forest Officer.

- 3. Compensatory Afforestation in the identified revenue land of 7.3221 ha. at Nos.82(P), Village Survey Varconda 83/12(P),83/13(P)),83/14(P),83/15(P),83/16(P),84/1(P)&96(P) shall be raised and maintained by the Forest Department at the cost of user agency within three years of Stage-II approval. The State Government shall obtain prior permission of Central Government for change of location and schedule of compensatory afforestation, if any.
- 4. Additional amount of the Net Present Value (NPV) of the diverted forest land if any becoming due after revision of the same by the Hon'ble Supreme Court of India in future, shall be charged by the State Government from User Agency and the same shall be transferred to the designated CAMPA Account.

5. The conditions required to be adhered under Forest Rights Act, 2006 shall be strictly complied with before handing over the area to the User Agency.

6. The User Agency shall restrict the felling of trees to minimum number in the diverted forest land and felling/pollarding of trees as and when required shall be done in consultation with the Forest Department.

7. Wherever trees are proposed to be felled, stumps should be retained and appropriate Soil and Moisture Conservation Works in the area shall be taken up at the cost of User Agency.

8. The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is

No labour camp shall be established on the forest land.

10. The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required.

11. The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.

12. No damage to the flora and fauna of the adjoining area shall be caused.

13. The layout plan of the proposal shall not be changed without the prior approval of the Central Government.

14.No construction activity shall be taken up in the area proposed for

15. The total forest area utilized for the project shall not exceed 6.856 ha.

16. Monitoring should be carried out on six monthly basis in order to ascertain adverse impact on avi-fauna & man-animal conflict.

17.Artificial nesting space shall be identified and developed (artificial nest boxes, etc) by the Forest Department for avifauna outside the funnel area at the cost of User Agency.

18, The User Agency shall provide space for the Forest Department as a centre for animal rescue to address man-animal conflict in the airport area, as the area is

adjacent to good forest.

19. The User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government and Integrated Regional Office, Bangalore by the end of March every year.

20. Any other condition that the Ministry of Environment, Forest and Climate Change may stipulate from time to time in the interest of conservation, protection and

#### File No.4-GOC1354/2022-BAN

development of Forest and Wildlife.

- 21 Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.
- 22. The State Government and user agency shall comply the provisions of the all Acts, Rules, Regulations, Guidelines, NGT order & Hon'ble Court Order (s) pertaining to this project, if any, as applicable to the project.

Yours faithfully,

(M.K. SHAMBHU)

Deputy Inspector General of Forests (Central)

Copy to:-

- The Principal Chief Conservator of Forests, Government of Goa, Forest Department, Panaji (Goa), PIN-403 001 (Goa).
- The Deputy Conservator of Forests (Monitoring & Evaluation) & Nodal Officer (FCA), Office of the Additional Principal Chief Conservator of Forests, Goyernment of Goa, Forest Department, Panaji (Goa), PIN- 403 001.
- 3. The Director, Directorate of Civil Aviation, Government of Goa, Room No.19, Secretariat, Porvorim, Goa, PIN-403 521.

4. Guard file.

(M.K. SHAMBHU)

Deputy Inspector General of Forests (Central)

### GOA STATE POLLUTION CONTROL BOARD

### गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001-2015, ISO 14001:2015, ISO 45001:2018 Certified Board)

Phone Nos: 0832-2407700,

2407701,2407702

Tel/Fax No: 0832-2407700



Email Ids: Chairman, GSPCB, <u>chairman-gspcb.goa@nic.in</u> Member Secretary, GSPCB, <u>ms-gspcb.goa@nic.in</u> Office, <u>mail.gspcb@gov.in</u>

Date: 04/08/2022

No.12/2022-PCB/1242718/R0009589

Consent to Operate under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6(i) of the Hazardous And Other Waste (Management and Transboundry Movement) Rules 2016, as amended thereafter

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

CONSENT TO OPERATE is hereby granted to:

## M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED (Represented by: Mr. Ranganathan Venkata Sheshan) (Red Category)

Mopa, Pernem - Goa

Located in the area declared under the provisions of the Water Act & Air Act, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. This is Consent to Operate is valid upto 28/04/2027

2. This Consent to Operate is valid for the operation of:

Description	Capacity
03 nos. of D.G. sets (Standby Power Source)	2000 KVA each
	·

#### 3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

(i) A good house-keeping shall be maintained within unit premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall not be allowed to find way in open areas.

#### (ii) Non-Hazardous Solid Waste:

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board.

Near Pilerne Industrial Estate, Opp.- Saligao Seminary, Saligao-Bardez Goa-403511

Page 1 of 6

#### 4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

(i) The unit shall maintain and operate air pollution control system of adequate capacity for the following equipments

Sr. No.	Name of Equipments/ Installation	No of Installation	Capacity	SO <sub>2</sub> Kg/Hr	Particulate Matter mg/Nm <sup>3</sup>
l.	D.G. Set	03	2000 KVA	51.12	75

(ii) The unit shall erect the chimney(s) of the following specifications:

Sr. No	Chimney attached to	Height	
1.	D.G. set (2000 KVA)	30 meters	

(iii) The unit shall observe the following standards:-

Sr. No	Type of fuel	Quantity /hr	
1.	H.S.D. for 2000 KVA D.G. set	710 litres/hr.	

- (iv) The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring Material & methodology for isokinetic sampling.
- (v) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.
- (vi) The unit should carry out emission monitoring from the stacks once in 3 months from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the results shall be submitted to this Board.

(vii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

Category of Area/ Zone	Limits in dB (A) Leq			
	Day time	Night time		
Industrial Area	75	70		
Commercial Area	65	55		
Residential Area	55	45		
Silence Zone	50	40		

Day time is reckoned between 6 a m, to 10 p.m. and night time is reckoned between 10 p.m. to 6 a m.

## 5. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE HAZARDOUS AND OTHER WASTE MANAGEMENT AND TRANSBOUNDRY MOVEMENT) RULES 2016, AS AMENDED THEREAFTER:

(i) The unit is hereby granted authorization to operate a facility for collection, storage and disposal of hazardous wastes as specified below;

Sr. No.	Category	Type of waste	Quantity	Mode of disposal
1,4	5.1	Used/Spent oil	80 litres/annum	To recycler registered with SPCB and having valid authorization of SPCB

(ii) The authorizer shall comply with the provisions of the Environment (Protection) Act, 1986 and the rule made thereunder.

- (iii) The person authorized shall not rent, lend, sell or transfer or otherwise transport the hazardous waste without obtaining prior permission of the Goa State pollution Control Board.
- (iv) Any unauthorized change in personnel, equipment or working conditions as mentioned in the unit by the person authorized shall constitute a breach of his authorization.
- (v) It is a duty of the authorized person to take pennission of the Goa State Pollution Control Board to close down the facility.
- (vi) The inner bottom surfaces of the tank shall be impervious enough to prevent leakage or seepage of these wastes into the sub surface soil or ground water.
- (vii) The occupier shall maintain a manifest system as per Rule 19 for disposal of hazardous wastes to ensure that these wastes are delivered to the designated facility preventing pilferage and clandestine disposal due to unforeseen events that may occur during transit.
- (viii) The manifest shall be endorsed by the dispatcher, transporter and receiver of hazardous wastes. The endorsed copy shall be furnished to the Goa State Pollution Control Board.
- (ix) Under any circumstances the hazardous waste shall not be disposed to unauthorized facilities.
- (x) The occupier shall maintain the records for collection, storage and disposal of hazardous waste in Form 3 of as per Hazardous Waste (Management, & Transboundary Movement) Rules 2016, as amended thereafter.
- (xi) The occupier shall furnish monthly returns for collection, storage and disposal of hazardous waste through online OCMMS systems.
- (xii) The occupier shall furnish annual returns online for collection, storage and disposal of hazardous waste in Form 4 by 30th June of every year for the preceding period April to March.
- (xiii) The unit shall put up an online board (minimum size 6x4 Feet) at prominent location near the main gate providing details as follows in English and Konkani languages:-
  - Hazardous Waste category number.
  - Hazardous Waste quantity number.
  - Treatment facility for each category.
  - Mode of disposal for each category.
  - Hazardous Waste Authorization number, date and validity period.
  - Water Consent number, date and validity period.
  - Air Consent number, date and validity period.
  - Quantity and Nature of Hazardous Chemicals being used
- (xiv) The occupier shall ensure that the Hazardous Wastes are not allowed to be stored for more than 90 days.

#### 6. GENERAL CONDITIONS:

- (i) The unit shall not change or after the quantity, quality of discharge, temperature or the mode of the effluent/ emission or hazardous wastes or control equipments provided for without previous permission of the Board.
- (ii) The unit shall provide facility for collection of samples of effluent, air emissions and hazardous wastes to the Board staff.
- (iii) An application in prescribed form along with the prescribed fees for renewal of Consent shall be submitted at least 60 days before the expiry of validity of this Consent. An application for renewal of Consent submitted after expiry of the validity shall accompany with penalty of 50% of the Consent fees in addition to the prescribed consent fees.
- (iv) The Board shall be forthwith informed of any accident or unforeseen event involving discharge of any poisonous, noxious or polluting matter into a stream or well or on land or into the atmosphere, as result of such discharge water/ air is being polluted.
- (v) This Consent to Operate is granted without any prejudice to any of the permission(s) required under any law, by laws and regulations in force and this Consent to Operate is confined to matters arising out of the Air Act and Water Act only.
- (vi) The Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
- (vii) The unit shall submit to this office, the Environmental Statement Report in Form V for the Financial Year ending April to March by 30<sup>th</sup> September of the succeeding year as per the provisions of the rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- (viii) The unit shall bear the cost of analysis / monitoring in case of complaints received by the Board/ re inspections due to non compliances observed by the Board & monitoring carried by the Board.
- (ix) The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
- (x) The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2001, if applicable.
- (xi) The unit shall submit returns for disposal of e-waste under the E-Waste Management Rules 2016, as amended thereafter.
- (xii) The unit shall submit returns for disposal of plastic waste under the Plastic Waste Management Rules 2016, as amended thereafter.
- (xiii) The unit shall comply to the guidelines and dust mitigation measures in handling Construction materials and Demolition waste issued by the Central Pollution Control Board (CPCB) and are placed on Board website www.goaspcb.gov.in.

- (xiv) The import, stocking, distribution, sale and use of single use plastic, including polystyrene and expanded polystyrene, commodities as per the Plastic Waste Management Rules 2016, as amended thereafter, shall be prohibited with effect from the 1st July, 2022.
- (xv) The unit has to obtain no objection certificate from the Central Ground Water Authority or the concerned State Authority for any ground water abstraction, if applicable.

To, M/s. GMR GOA INTERNATIONAL AIRPORT LIMITED C/o. Mr. Ranganathan Venkata Sheshan, Mopa, Pernem – Goa

Copy to:-

- 1. Accounts Section
- 2. Concerned File
- 3. Guard File

Received Consent fee of: The Capital Investment of the unit is Rs. 16, 30 Crores

Cheque no.	Amount	Date
320220518004052	Rs. 12,97440/- (NOC fees)	25/05/2022

(Dr. Shamila Monteiro) Member Secretary Goa State Pollution Control Board

QEHS-CIE-F(06-03)

#### Goa State Pollution Control Board

#### CUSTOMER FEEDBACK

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#### Appendix -9

One-time approval for Landing/Touch and Go by Indigo Aircraft for conducting
Instrumental Flight Trails

#### GOVERNMENT OF INDIA

DIRECTORATE GENERAL OF CIVIL AVIATION OPP. SAFDARJUNG AIRPORT NEW DELIG = 110003 TELEFAX: 091-011-24653883 EPBX 24622495/EAL275



भारत सरकार नागर विमानन महानिदेशालय सफदरजंग एयरपोर्ट के सामने नई दिल्ली-११०००३

संख्या ः

AV.20024/17/2000-AL

दिनांक :

12.08.2022

Τo

Chief Executive Officer
GMR Goa International Airport Limited (GGIAL)
Survey No. 381/3, Mathura one, 1st Floor
NH-17, Porvorim, Goa-403501

Sub: One time approval for Landing/Touch & Go by Indigo aircraft between 22.08.2022 and 27.08.2022 for conducting Instrument Flight Trials at New Goa Airport, Mopa.

Sir,

Reference is invited to GGIAL letter no. GGIAL/DGCA/2022-23/1105 dated 05.08.2022 vide through subject approval was sought.

Based on data provided and compliance indicated on minimum aerodrome infratsutrure at New Goa airport, Mopa by GGIAL, the Competent Authority has granted one time approval to GGIAL for Landing/Touch & Go by Indigo aircraft for conducting Instrument Flight Trials at New Goa Airport, Mopa between 22.08.2022 and 27.08.2022 to the following conditions:

- Runway, Taxiway and Apron facilities and other associated infrastructure/facilities be ensured in accordance to minimum requirements as specified in CAR.
- Airport Rescue and Fire Fighting category as per requirement be maintained to deal with exigency scenario.
- Ensure serviceability of NAV aids i.e. ILS, VOR, and DME and visual aids provided at aerodrome.
- Necessary arrangement for aerodrome operational manpower and procedures for safe flight operations be ensured.
- Ensure coordination for availability of airspace for accommodating the instrument flights trials.

Further, GGIAL is advised to provide all the necessary information to aircraft operator and aircraft operator should carry out their own safety risk assessment based on available infrastructure before commencement of trials flight.

Yours sincerely,

(Parmod Kumar)

Parmod Kumar

Deputy Director of Operations (Aero-stds.)

For Director General of civil Aviation

Copy to: O/o Deputy Director General, Western Region, Mumbal, DGCA (Kind Attn: Director (Operations))-for information.

#### Appendix -10

Installation permission for 3x2000 KVA DG set

95

No.140/2/CEE/Tect/Com/ H28-Office of the Chief Electrical Engineer, Government of Goa, Vidyat Bhavan, 3<sup>se</sup> Floor, Panaji-Goa.

Duted: -12/08/2022

To:
M/s GMR Goa International Airport Limited,
Survey No. 384/3,
Mathura One, (\* floor,
NTI-17, Porvorim, Goa, 403-501.

## Sub:- Permission to install 2000 KVA D.G. Set at MOPA AIRPORT, Pernem-Goa.

Ref :- Your letter dated:-05/07/2022.

DESCRIPTION	ALTERNATOR	ENGINE
t) Make	* Stamford	Commins India Limited
2) Capacity	2000 KVA	2567 BHP
3) Sr. No.	N22D147849	85012145
4) Phase	Three	2

Sir.

With reference to your above application, permission is accorded under Section-9 of the Electricity Act. 2003 for installing and running a Generating Set having details furnished in your above cited application, subject to the following conditions:-

- That the generator shall be utilized to generate power for bonafide use only and—the Power so generated shall not be sold to anybody.
- That the set shall be open for inspection to the Sub Divisional Engineer, Electricity
  Department of the area, before being commissioned and periodically thereafter.
- That the operation of the generator shall not at any time be prejudicial to the interest of the Department.
- Advance intimation regarding the commissioning of the generating set and other details should be sent to the Sub-divisional Engineer, Electricity Department of the area.
- This permission is valid only for a period of <u>six months</u> from the date of issue within which the generator set shall be commissioned failing which it has to be renewed.

Cont ...,2/-

In addition to the above, the following formalities will have to be followed by the applicant:-

- The wiring of the installation should be carried out through a licensed Electrical Contractor.

  Holding a current valid license under the Rule-45 of the LE Rules, 1956 and the Contractor's completion and Test Report should be sent to the Sub-Divisional Engineer, Electricity Department of the area.
- Thirty days notice in writing of the intention to generate, transmit or use of energy be given to
  the Electrical Inspector and the District Magistrate, as provided under Rule-47-A of the Indian
  Lifectricity Rules, 1956 wherever applicable.
- Use If the Generator is to be installed in a factory or the prime mover to be installed in a Boiler, it may be necessary to obtain the permission of the Inspector of Factory and Boilers under the provision of the Factory Act.
- 4. If the capacity of the D.G. set is more than 10 K.W. a suitable energy moter has to be installed to measure the energy generated. The monthly energy generated shall be intimated to the concerned sub-divisional officer.
- 5. Date of commissioning of the D.G. set shall be intimated to this office.
- $\theta_{\rm sc}$  The D.G. set shall not be allowed to run in parallel with the Department's supply.
- Approval of the Electrical Inspector shall be obtained for the installation of the generator, and the certified copy of the approval shall be produced to the concerned Divisional Officer and his concurrence obtained before commissioning the set.
- The approval is granted to generate power for standby use only.
- 9. This issues with approval of Chief Electrical Engineer.

Yours faithfully,

Superintending Engineer (Com)

#### Copy to: -

- The Electrical Inspector, State Electrical Inspectorate, 5th floor, GIDC, Patto, Panaji Goa.--- He is requested to intimate this office regarding date of approval for commissioning of the D.G. set.
- 2) The Executive Engineer, Elect. Division -Div XVII, Mapusa-Goa,
- 3) The Sub-divisional Engineer, Elect. Sub Div. -I, Pernem- Goa.

No.140/2/CEE/Tech/Com/ 727
Office of the
Chief Electrical Engineer,
Government of Goa,
Vidyot Bhavan, 3<sup>rd</sup> Floor,
Panaji-Goa.

Dated: 12 /08/2022

To,
M/s GMR Goo International Airport Limited,
Survey No. 381/3,
Mathura One, Ist floor,
NH 17, Porvorim, Goa, 403 501.

### Sub:- Permission to install 2000 KVA D.G. Set at MOPA AIRPORT, Pernem, Gon.

Ref :- Your letter dated:-05/07/2022.

DESCRIPTION	ALTERNATOR		<u>ENGINE</u>
1) Make	Stamford		Cummins India Limited
2) Capacity	2000 KVA		2567 BHP
3) Sr. No.	N22D147968	.K1	85012143
4) Phase	Three		

Sir.

With reference to your above application, permission is accorded under Section-9 of the Electricity Act, 2003 for installing and running a Generating Set having details furnished in your above cited application, subject to the following conditions:-

- That the generator shall be utilized to generate power for bonafide use only and
  the
  Power so generated shall not be sold to anybody.
- 2. That the set shall be open for inspection to the Sub Divisional Engineer, Electricity Department of the area, before being commissioned and periodically thereafter.
- That the operation of the generator shall not at any time be prejudicial to the interest of the Department.
- Advance intimation regarding the commissioning of the generating set and other details should be sent to the Sub-divisional Engineer, Electricity Department of the area.
- This permission is valid only for a period of six months from the date of issue within which the generator set shall be commissioned failing which it has to be renewed.

In addition to the above, the following formalities will have to be followed by the applicant:-

- The wiring of the installation should be carried out through a licensed Electrical Contractor Holding a current valid license under the Rule-45 of the LE Rules, 1956 and the Contractor's completion and Test Report should be sent to the Sub-Divisional Engineer, Electricity Department of the area.
- Thirty days notice in writing of the intention to generate, transmit or use of energy be given to
  the Electrical Inspector and the District Magistrate, as provided under Rule-47-A of the Indian
  Electricity Rules, 1956 wherever applicable.
- Use If the Generator is to be installed in a factory or the prime mover to be installed in a Boiler, it may be necessary to obtain the permission of the inspector of Factory and Boilers under the provision of the Factory Act.
- 4. If the capacity of the D.G. set is more than 10 K.W. a suitable energy meter has to be installed to measure the energy generated. The monthly energy generated shall be intimated to the concerned sub-divisional officer.
- 5. Date of commissioning of the D.G. set shall be intimated to this office.
- 6. The D.G. set shall not be allowed to run in parallel with the Department's supply.
- 7. Approval of the Electrical Inspector shall be obtained for the installation of the generator, and the certified copy of the approval shall be produced to the concerned Divisional Officer and his concurrence obtained before commissioning the set.
- 8. The approval is granted to generate power for standby use only.
- 9. This issues with approval of Chief Electrical Engineer.

Superintending Engineer ( Com)

Yours faithfully.

#### Copy to: -

- 1) The Electrical Inspector, State Electrical Inspectorate, 5th floor, GIDC, Patto, Panaji Goa.--- He is requested to intimate this office regarding date of approval for commissioning of the D.G. set.
- 2) The Executive Engineer, Elect. Division -Div XVII, Mapusa-Goa.
- 3) The Sub-divisional Engineer, Elect. Sub Div. -I, Pernem- Goa. Page 565 of 567

No.140/2/CEE/Tech/Com/ 72-6 Office of the Chief Electrical Engineer, Government of Goa, Vidyut Bhavan, 3th Floor, Panaji-Goa.

Dated: -12/08/2022

To. M/s GMR Goa International Airport Limited, Survey No. 381/3, Mathura One, 1st floor, NH 17, Porvorim, Goa, 403 501.

> Sub:- Permission to install 2000 KVA D.G. Set at MOPA AIRPORT, Pernam, Goa 403 512.

Ref :- Your letter dated:-05/07/2022.

DESCRIPTION	· ALTERNATOR	×	ENGINE
I) Make	Stamford		Cummins India Umited
2) Capacity	2000 KVA		2567 B11P
3) Sr. No.	N22D158121		85012146
4) Phase	Three		

Sir.

With reference to your above application, permission is accorded under Section-9 of the Electricity Act, 2003 for installing and running a Generating Set having details furnished in your above cited application, subject to the following conditions:-

- 1. That the generator shall be utilized to generate power for bonafide use only and the Power so generated shall not be sold to anybody.
- 2. That the set shall be open for inspection to the Sub Divisional Engineer, Electricity Department of the area, before being commissioned and periodically thereafter.
- 3. That the operation of the generator shall not at any time be prejudicial to the interest of the Department.
- a. Advance intimation regarding the commissioning of the generating set and other details should be sent to the Sub-divisional Engineer, Electricity Department of the area.
- 5. This permission is valid only for a period of six months from the date of issue within which the generator set shall be commissioned failing which it has to be renewed.

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  completion and Test Report should be sent to the Sub-Divisional Engineer, Electricity
  Department of the area.
- 7. Thirty days notice in writing of the intention to generate, transmit or use of energy be given to the Electrical Inspector and the District Magistrate, as provided under Rule-47-A of the Indian Electricity Rules, 1956 wherever applicable.
- 3. Use If the Generator is to be installed in a factory or the prime mover to be installed in a Boiler, it may be necessary to obtain the permission of the Inspector of Factory and Boilers under the provision of the Factory Act.
- 4. If the capacity of the D.G. set is more than 10 K.W. a suitable energy meter has to be installed to measure the energy generated. The monthly energy generated shall be intimated to the concerned sub-divisional officer.
- 5. Date of commissioning of the D.G. set shall be intimated to this office.
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- 8. The approval is granted to generate power for standby use only.
- 9. This issues with approval of Chief Electrical Engineer.

Yours faithfully,

Superiptending Engineer ( Com)

#### Copy to: -

- 1) The Electrical Inspector, State Electrical Inspectorate, 5th floor, GIDC, Patto, Panaji Goa.— He is requested to intimate this office regarding date of approval for commissioning of the D.G. set.
  - 2) The Executive Engineer, Elect. Division -Div XVII, Mapusa-Goa.
  - 3) The Sub-divisional Engineer, Elect. Sub Div. -1, Pernem- Goa. Page 567 of 567