



GMR ENGINEERING & MANAGEMENT SERVICES

Landscape & Horticulture





Landscape is more than merely a beautiful environment. It is at the root of the relationship between human beings and nature.

The Delhi and Hyderabad airports of the GMR group, besides achieving excellence in operations also stand out for their sheer beauty, that is considerably enhanced by the pioneering development, maintenance and sustenance of landscaping and horticulture at all its facilities.

This has only been possible by attention to detail in timely planning, design and execution of all components viz micro irrigation systems, soft and hard scape, sub surface drainage, water features, landscape lighting, plant nursery etc.

The environmental benefits of proper and scientific landscaping and horticulture are getting increasingly appreciated. The other benefits that add value are enhancing of the ambience, help in purifying the air, creating a soothing environment and giving the place a distinct natural and cultural identity.

GEMS has a proven track record in creating, maintaining, managing and sustaining landscapes including their horticultural features. While it has the capability for handling turnkey projects for both outdoors and indoors, it also has the expertise to handle the following activities in a deft and efficient manner.

- Soft and hard Landscaping
- Tree Plantation – Road Side, Parks
- Irrigation System – Installation, Operation & Maintenance of automatic drip and sprinkler irrigation system
- Earthwork & field shaping
- Exterior Landscape Management
- Interior Landscape Management
- Nursery Management
- Creating and maintaining water features

A highly dedicated team of qualified, experienced professionals comprising of Horticulturists, Irrigation Engineers and Landscape Supervisors ensure that best practices and latest technology is followed for all works undertaken by GEMS.



The Finest
showcase of
GEMS



Landscaping at
Delhi
Airport





The Finest
showcase of
GEMS



Landscaping at
Hyderabad
Airport





Interior Landscape Management



SALIENT FEATURES OF LANDSCAPE & HORTICULTURAL WORKS AT DELHI AIRPORT

- a. Computerized Central Control System aided with only two wire (low voltage) control cable decoder system, used for automation.
- b. The T3 irrigation system uses 100% sewage treated water, conserving precious potable and ground water resources.
- c. A state-of-the-art automatic landscape irrigation system has been installed in approx. 400,000 square metres of T3's External Landscape area. This includes a combination of sprinkler and drip system using micro-processor based controllers to ensure precise, pre-defined uniform and controlled recycled water application for open spaces.
- d. Water fountains with lighting which are visible as one nears the terminal building.
- e. Timer based pressurized irrigation system is covering entire landscape area.
- f. Drip irrigation is being used for trees, palm, shrubs & ground cover.
- g. Sprinkler system is being used for lawn area.
- h. VFD system is installed in irrigation pump to save energy.



NURSERY MANAGEMENT

GEMS also maintains a state of the art plant nursery in an area of about 40,000 Sq. feet at the Delhi Airport. About 70,000 plants are regularly maintained at this nursery. For plant rotation and routine changes in the varieties of plants, this dedicated and fully functional nursery is housing required fertilizers, pesticides, seeds, seedlings and other materials necessary for plantation.



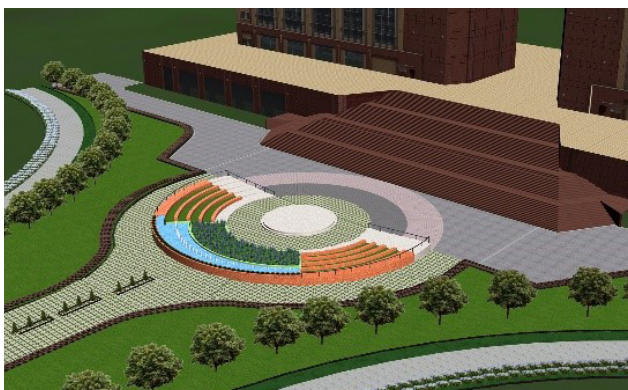
LANDSCAPE IRRIGATION

The landscape irrigation system at Main Access Road of Hyderabad Airport is the only installation at Indian Airports where a Cloud based Central Control for Irrigation automation is used. This system is a two wire decoder system. Water used for Landscape irrigation is a mix of ground water and sewage treated water. A state-of-the-art automatic landscape irrigation system has been installed in approx. 90 acres at Main Access Road and 30 acres at Car Park, Office and other buildings. Irrigation system is a combination of sprinkler and drip system using micro-processor based controllers to ensure precise, pre-defined, uniform and controlled water application in the entire airport landscape area.



OUR OFFERINGS

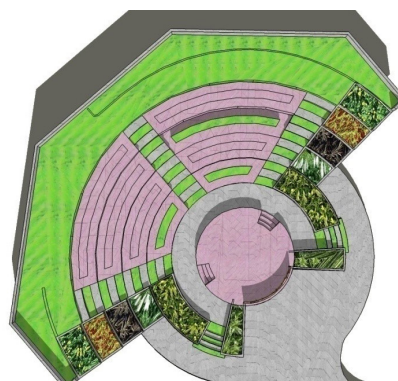
Few photographs of services delivered for some external clients can be seen below. This would give you an idea of the quality based services that we deliver.



INFOSYS



PRATT AND WHITNEY



TIRUMALA TIRUPATHI DEVASTHANAMS

The capabilities of GEMS in the field of landscaping and horticulture are on offer to various establishments like Hotels, Hospitals, Office & Residential Complexes and Malls etc.

The following services are available on a turnkey basis:

- Complete landscaping and horticultural works for outdoors
- Complete horticultural works for indoors
- Setting up and maintenance of a nursery

It is our endeavor to offer services of the highest order to our clients at prices that would surprise you.

Notes:



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