

Press Release

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IGBC PLATINUM RATING FOR HYDERABAD METRO RAIL STATIONS

L&T Metro Rail (Hyderabad) Limited proudly announces that 17 elevated stations of Hyderabad Metro Rail Project - Stage I & II namely Nagole, Uppal, Survey of India, NGRI, Habsiguda, Tarnaka, Mettuguda, Miyapur, JNTU College, KPHB Colony, Kukatpally, Balanagar, Moosapet, Bharat Nagar, Erragadda, ESI Hospital and S.R.Nagar were awarded IGBC Platinum Certification. All the 17 HMR stations have achieved 75 points each.

The Indian Green Building Council (IGBC) has launched IGBC Green Mass Rapid Transit System (MRTS) rating to encourage green concepts in the design, construction & operation of all new Rail based MRTS projects. The rating system helps to address National priorities like conserving natural resources, demand side energy & water efficiency, adoption of renewable energy, management of waste and commuter health & comfort.

Ratings / Points:

Platinum: 72-90; Gold: 63-71; Silver: 54-62; Certified: 45-53

These ratings are based on six environmental categories as defined by IGBC Green Mass Rapid Transit System Rating which include - Site Selection & Planning, Water Efficiency, Energy Efficiency, Material Conservation, Indoor Environment & Comfort and Innovation in Design & Construction.

Mr. Shivanand Nimbargi, MD & CEO, L&T Metro Rail (Hyderabad) Limited, stated *“It is a proud moment for L&T Metro Rail (Hyderabad) Limited. The IGBC Platinum rating reinstates the fact that L&T has followed the best international practices in constructing the Hyderabad Metro Rail Project. Kudos to the entire Hyderabad Metro Rail team for this spectacular feat.”*

Award was presented by Ar C N Raghavendran, Chairman, IGBC - Chennai Chapter in presence of Mr A.K.Tewari, Adviser (EnHM), Railway Board, Ministry of Railways and Mr V Suresh, Chairman, Policy & Advocacy Committee, IGBC.



IGBC Platinum Rating Plaques



Mr. K P Sreehari, Head, Quality & EHS, LTMRL and **Ms. Shubhra Khullar**, Manager, Project Control, LTMRL receiving the IGBC award from IGBC Team

In photograph: (IGBC members from left to right)

1. **Mr A.K.Tewari**, Adviser (EnHM), Railway Board, Ministry of Railways
2. **Mr V Suresh**, Chairman, Policy & Advocacy Committee, IGBC
3. **Mr Syed Mohamed Beary**, Chairman, IGBC - Bangalore Chapter
4. **Ar C N Raghavendran**, Chairman, IGBC - Chennai Chapter

Unique features of HMR Project:

Design Initiative:

- The Stations being windows to the metro service are tastefully designed reflecting functional aesthetics, user friendly, and energy efficient with station architecture that is environmental friendly and green.
- Structurally L&T Metro Rail (Hyderabad) Limited (LTMRHL) designed the stations on a hump after studying the terrain of Hyderabad, so that maximum advantage of regenerative energy during acceleration and deceleration can be utilized. 41% of regenerative energy shall be fed back to the grid which is the highest among all other metro. Also due to the far-fetched vision of Government, the Stations were designed and built at the existing road so that minimal erosion of top soil happens.
- In order to reduce the cost of acquisition, all stations were designed with spine and wing arrangement which not only reduced the tunneling effect but also reduced the cost of acquisition for the Government. Due to the efficient and well thought design the stations have 88% illuminance level at platform and concourse areas reducing the electricity requirements in day time substantially. The Project is expected to achieve an EIRR of more than 26%.

My City My Metro My Pride:

- During the construction stage, to take care of air quality, besides regular audit, barricading was done at construction site. In order to reduce inconvenience to road users, traffic plans were discussed with HMRL/Telangana Police and the Independent Engineer and implemented at site with the help of 2500 traffic marshals. Noise pollution was kept at check by having constant site inspection by independent environment & safety expert.
- We care for our Construction work force. Accordingly, Waste disposal plan have been provided at sites/labour colonies and portable hygienic toilets are provided for construction workforce. The workforce is also provided with basic facilities like personal protective equipment, first aid, emergency facility, drinking water facility and doctor on call.
- Hyderabad Metro Rail believes in taking every Hyderabad with it and hence universal access has been provided for wheelchair bound commuters, visually impaired commuters, hearing impaired commuters and staff assistance for our elderly, differently abled and needy people.
- The Project has moved with the intent that commuters are provided with a well-integrated system with all interstate bus terminal, railway stations and MMTS Station.
- In order to promote GoI vision of E-vehicles, LTMRHL plans to provide discounted parking to its users at the P&C area.
- Ticketing Counters/Booths have been provided at all Stations along with Ticket Vending Machines making ticketing process simpler and faster.

- Pedestrian facilities from the road to the concourse/ and/or to the ticket counters and back have been provided to enable unhindered smooth flow of pedestrians using the Metro and making the commuting experience comfortable.
- Retail areas will enhance the experience of the rider have been integrated in station planning.

Environment Friendly Metro:

- The Project is expected to achieve 34% reduction in water usage over baseline due to its green selection of low flow water closets, urinals and faucets. The Project aims to capture 75% of run-off volumes from stations and 50% from viaduct and at median through its Rain water harvesting efforts. The Project shall be able to reduce 40% reduction in Lightning Power density over the standard requirement due to its selection of LED fixtures at all stations, signages, dimmers/dimmable lights with dimming schedule in passenger area and Building Management System and Trains.

Security & Social Responsibilities:

- Security of the commuter is our major focus and advanced equipment for security of commuters are provided at each station like baggage screening devices, hand held devises, CCTV monitoring, access control system etc.
- First aid medical assistance is being provided at concourse level at all stations.
- DG and UPS back up is provided for all essential services.
- Station planning is done for normal passenger flow and emergency evacuation scenario.
- All required lifesaving facilities are provided at stations, viz., fire protection, emergency lighting and signages, PA and PIDS (Passenger Information Display System), auto opening of ticketing gates, sizing of the staircases etc., as per relevant standards.

L&T Metro Rail (Hyderabad) Limited:

L&T Metro Rail (Hyderabad) Limited is a subsidiary of Larsen & Toubro, an Indian multinational engaged in technology, engineering, construction, manufacturing and financial services with USD 17 billion in revenue. It operates in over 30 countries worldwide. A strong, customer-focused approach and the constant quest for top-class quality have enabled L&T to attain and sustain leadership in its major lines of business for over seven decades.

HYDERABAD

25th October 2017