



NEWS LETTER

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11th Urban Mobility India (UMI) Conference cum Exhibition from November 2nd to 4th, 2018 at Chitnavis Centre, Nagpur



This year, the 11th UMI was held from 2nd to 4th November, 2018 at Chitnavis Centre, Nagpur. The theme of the 3-day conference was "Green Urban Mobility". The event was jointly hosted by Government of Maharashtra and organized by the Institute of Urban Transport (India) in partnership with Maha Metro. The Hon'ble Chief Minister, Government of Maharashtra Shri Devendra Fadnavis presided over the session. The Hon'ble Minister for Road Transport & Highways Shri Nitin Gadkari, was the chief guest and inaugurated the conference cum exhibition. The Hon'ble Minister of State for Housing and Urban Affairs Shri Hardeep Singh Puri graced the event.

Chennai Metro Rail Limited had put up a pavilion at the conference cum exhibition.



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PLATINUM RATING - IGBC GREEN MRTS CERTIFICATION – EGMORE METRO

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

IGBC Green Mass Rapid Transit System (MRTS) rating was launched to encourage green concepts in the design, construction & operation of Rail based MRTS addressing green features of site selection and planning, water efficiency, energy efficiency, material conservation, indoor environment and comfort and innovation in design and construction. To achieve the Green MRTS rating, the project must satisfy the mandatory requirements and achieve minimum number of credit points.

Egmore metro station is a multi-modal integration hub connected with existing Egmore railway station, sub-urban railway system and dedicated bus-transit bay. The key features of the project include;

1. Multi modal integration hub
2. Transit oriented modal link
3. Huge parking space for commuters
4. Promotion of bicycles and electric vehicles
5. PSD doors,
6. Low flow fixtures
7. GHG reduction over 50%
8. SCADA
9. High use of local materials (84%) and recycle content (30%) in materials
10. 100% Rain Water Harvesting.
11. 100% reduction of the construction Waste,
12. 61% CO2 emission reduction over estimated baseline emissions,
13. Painted and insulated roofs at street level structures,
14. Pervious and light coloured pavers at non roof level to reduce the macro level heat island reduction,



Based on the above measures addressing the categories as mentioned, the entire process of IGBC certification was carried out for Egmore Metro station. On the basis of the documentation, 82 points of 90 points in total was achieved, obtaining the highest IGBC rating Platinum rating.

2nd Runner up award to CMRL team at National Level “Indian Green League, 2018” organized by IGBC



The CMRL team comprising of following architect officers, participated and won 2nd Runner up award along with an international trip to south-east Asia, at National Level “Indian Green League, 2018” organized by IGBC among 135 contesting teams from 9 cities nationwide in the finals conducted in “Green Building Congress, 2018” an international green conference held at HICC, Hyderabad on 2nd November 2018

1. Gautam Bhardwaj, Deputy Manager, Architect
2. Anand kumar, Architect

Chennai Metro Rail Limited in association with MOHAN Foundation organized a Visual Arts Competition – LIFE 2.0

“Art for a cause”



Chennai Metro Rail Limited in association with MOHAN Foundation organised a Visual Arts Competition – LIFE 2.0 on the theme of Organ Donation for students from various schools and colleges in Chennai District. The competition, a first of its kind in Tamil Nadu, took place on 24th November 2018, Saturday at the Vadapalani Metro Station from 3:00 PM to 6:00PM.

About 200 students from 12 schools and 3 colleges participated in using Art to promote a cause. Mr.Reji Joseph a prominent Artist of Chennai, Dr Rajeshwari, Trauma Ward In-charge of Rajiv Gandhi Government Medical College and Mr.Clinton, Art teachers aid of International School were the judges.



Cash Awards and gifts were distributed to the students holding the first, second and third positions in three categories which were Photography, Paintings and Illustrations. The competition included various categories which were Paintings, Photographs, Cartoons, Installations, Illustrations and Graphics. Mohan Foundation also set up an exhibition of Paintings done by Iranian Artists under the NAFAS Festival.

With 1186 multi-organ donors as of October 2018, Tamil Nadu is one of the leading states in organ donation in the country. These donors have given life to more than 5000 patients through organ and tissue donation. This visual arts competition aims at spreading the message of organ donation through art and also celebrate the act of gifting a second chance at life, and hence the title LIFE 2.0. This event also marks the 4th collaboration between MOHAN Foundation and CMRL who have been constantly supporting the Foundation's activities and are greatly passionate about the cause.



CMRL introduced Miyawaki technique at Thiru vi ka Park



Thiru vi ka Park, served as an urban park to nearby residents. The existing Shenoy Nagar Metro Station, lies at the underground of park, bifurcates park into 2 halves. It is proposed to develop an underground Commuter Amenities Centre on either sides of

existing Shenoy Nagar Station. The current proposal of Commuter amenity center is to give its neighborhood its vertebrate back by recreating the Park. It is proposed to develop the Underground Passenger Amenities Centre with Basement 1 and Basement 2 on the East and West side of the existing Shenoy Nagar station.

In connection, a total of 5000 no's of saplings containing 30 different types of native trees have been planted at Shenoy Nagar Thiru vi ka Park. A total of 1250 no's of saplings each at the 4 corners by CMRL as per Miyawaki Forest Technique. The 30 different types of native trees includes Arasu, Neem, Naval, Neer Maruthu, Mango, Pomegranate, Athi, Vilvam, Pungan, Ezhilai Palai, Stekuliya, Malai Vembu,, Sarakondrai, Azhoka, Jaikiranda, Rose Wood, Poovarasu, Arali, Magizham, Nelli, Teak, Maruthani, Punnai, Pavalamalli, Eluppai, Night Jasmine, Mantharai.

CMRL has already implemented Miyawaki technique at CMRL Admin Building, Koyambedu in 2017, Miyawaki technique is a man-made forest method of afforestation that utilizes only 1/10th of land area equivalent to forest compared to conventional method. This man made forest improves the ecological and balancing the surrounding environmental conditions. This will lead to more oxygen production as well as absorbing more carbon dioxide and making the environment clean especially in the metropolitan cities.

The concept of Thiru.Vi.Ka Park redevelopment is to recreate the park by providing its neighborhood its vertebrate back, which is done through proper planning of different spaces, zones and activities provided within the street level/park. Most of the existing trees would be preserved, restored and transplanted in the park at appropriate locations. The facilities which were present at the park earlier includes fountain, jogging track, children play area, vertical landscape, yoga pavilion, reading zone, meditation zone and much more. The same would be restored with enhancement. Landscape lawns are provided at the street levels with deep-rooted tree saplings along the periphery of the park. The Miyawaki Concept Forest has been planned at the four corners of the park by grouping of various indigenous species of plants together.

CHENNAI METRO RAIL GOES GREEN

For commissioning of operational services till Washermanpet Metro, CMRL would require power to the tune of 20 MVA for traction and non-traction applications. In this connection, in order to reduce carbon foot print, CMRL has appointed a consultancy firm for initiating such process to procure from various renewable energy sources like solar, wind etc at competitive prices through OPEN ACCESS thereby saving crores on annual basis.

CMRL being very much committed to achieve energy security, to reduce carbon emission & Green energy concept by generating renewable energy by installing Roof Top Solar PV Power System in different premises of Roof Top Area and Ground Area of Metro Rail depot, Elevated and Under Ground Stations.

CMRL successfully installed and commissioned another 1120 KWP Solar PV Power Plant in Roof Top area of two Elevated Stations namely Alandur and St. Thomas Mount Stations and in the Ground areas at Metro Rail Depot Koyambedu which is expected to generate around 1,51,200 units per month and saves around Rs. 69, 49,152 per year. These Solar Plant Projects were executed under Zero Capital Investment by CMRL and based on RESCO Model under Solar energy Corporation of India (SECI) Scheme, on monthly Tariff basis payment. This method of Generated Solar Power will be utilised for technical demands. Now the installed capacity of Roof Top Solar Power by CMRL is 3.0 MW in total. Another 4.6 MW Roof Top Solar Power installation is under progress and is expected to be completed by end of this year 2018.

Solar PV Power Plant in Roof Top area

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Revision in fares of Share Auto and Share Taxi Services at Metro Stations

As part of providing last mile connectivity to Metro Rail passengers, CMRL had taken an initiative of providing Feeder services through Share auto and Share Taxi services at selected Metro Stations.

In this connection, the last mile ticket fare for Share Auto services has been reduced from Rs. 10/- to Rs. 5/- per ticket and for Share Taxi services from Rs. 15/- to Rs. 10/- per ticket. The revision shall be made w.e.f Monday (12.11.2018) up to Thursday (31.1.2019) on a trial basis as an encouragement for the passengers to avail the Feeder Services. So far, around 47,628 passengers have utilized the Feeder Services for the month of August and September 2018.

For the month of October 2018, a total of 28,032 passengers have utilized the Share Auto and Share Taxi facilities in which 6,442 passengers have utilized the Share Taxi services and a total of 21,590 passengers have utilized the Share Auto services. For October month around 7,561 passengers have availed the Share Auto and Share Taxi feeder services in Koyambedu and Alandur Metro stations alone.



Educational trips for Government School Students for the month of October and November 2018

“Extending the frontiers of knowledge for the young minds”

In an attempt to bring awareness to the students of Government Schools about the metro train across the Metro Rail alignment in the city, CMRL has been undertaking monthly educational trips from Central Metro to Airport and AG-DMS to Airport for the students. The features of the Metro Train and its Stations were explained to the students.

Students from Government and Corporation Schools are being given the educational trips during the academic year 2018-19. In the month of November, 2018 a total number of 3,028 students traveled in Metro train and were benefitted. The educational trips for the academic year 2018-19 commenced from 21.06.18 and around 21,449 students from Government and Corporation Schools have gone on this educational trip till date.



As part of Children's Day about 68 students from Municipal High School Alandur were given a free educational ride in the Metro Train to cultivate the awareness about the Metro Train in their minds. In addition to this Chennai Metro Rail Limited in association Inter National Association Of Human Values as a part of social responsibility activity conducted a Joy Ride for the blind students of NETHRODAYA in the Metro Train on 18.11.2018 from Thirumangalam to Airport. A total number of 40 differently-abled children accompanied with 5 of their teachers and 35 volunteers participated in this trip enthusiastically.

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