



NEWS LETTER

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The Chennai Metro Rail Limited certified with Gold Rating, under LEED 2009 for the New Construction category



Leadership in Energy and Environmental Design (LEED) is a forerunner in green building certification programs worldwide which was developed by U.S. Green Building Council (USGBC). LEED provides a framework to create healthy, highly efficient and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement.

The Admin Building-Depot for CMRL was selected by LEED under the New Construction category. The building was evaluated based on the categories of sustainable sites, water efficiency, energy and atmosphere, material and resources, indoor environment quality, innovation in design and regional priority credits.

The components were evaluated on the basis of the design, construction, operation, and maintenance, which aim to make the buildings environmentally responsible and use the resources effectively. Based on this method of evaluation, the Admin Building-Depot of CMRL was awarded with 70 points out 110 points which fetched us the Gold Rating, under LEED 2009 for the New Construction.

The Gold Rating, under LEED 2009 for the New Construction category was awarded to **Thiru Pankaj Kumar Bhansal, I.A.S** Managing Director of Chennai Metro Rail Limited by **Thiru P. Gopalakrishnan**, Managing Director - APAC & Middle East, GBCI. All Directors, Chief General Managers and other officials of Chennai Metro Rail Limited were present during this event.

CHAIRMAN

Thiru Durga Shanker Mishra, I.A.S.,
SECRETARY
MINISTRY OF HOUSING &
URBAN AFFAIRS
GOVT. OF INDIA

Thiru Pankaj Kumar Bansal, I.A.S.,
MANAGING DIRECTOR
CHENNAI METRO RAIL LIMITED

"Green Market transformation happens one building at a time. CMRL's initiative of taking their corporate headquarters to LEED certification exemplifies extraordinary leadership in reshaping the transit sector and walking the talk on sustainability," said Gopalakrishnan, MD - APAC & Middle East, GBCI. During the occasion, "It is yet another example of how the success of LEED is due to the partnership and support of those committed to advancing green building and sustainability. Each new LEED building is one step closer to Prime Minister's commitment on climate change", he added.





The Hon'ble Minister of State (Independent Charge) of the Ministry of Communications; and Minister of State in the Ministry of Railways visited Chennai Metro Rail Limited

On 4th July 2018, The Hon'ble Minister of State (Independent Charge) of the Ministry of Communications; and Minister of State in the Ministry of Railways, Thiru Manoj Sinha, visited Chennai Metro Rail Limited and inspected the Operational Control Centre (OCC) along with Thiru Pankaj Kumar Bhansal, I.A.S., Managing Director, Chennai Metro Rail Limited who explained the features and security aspects of the Operational Control Centre. Director(S&O) along with CGM's and Gm's were present during the inspection.

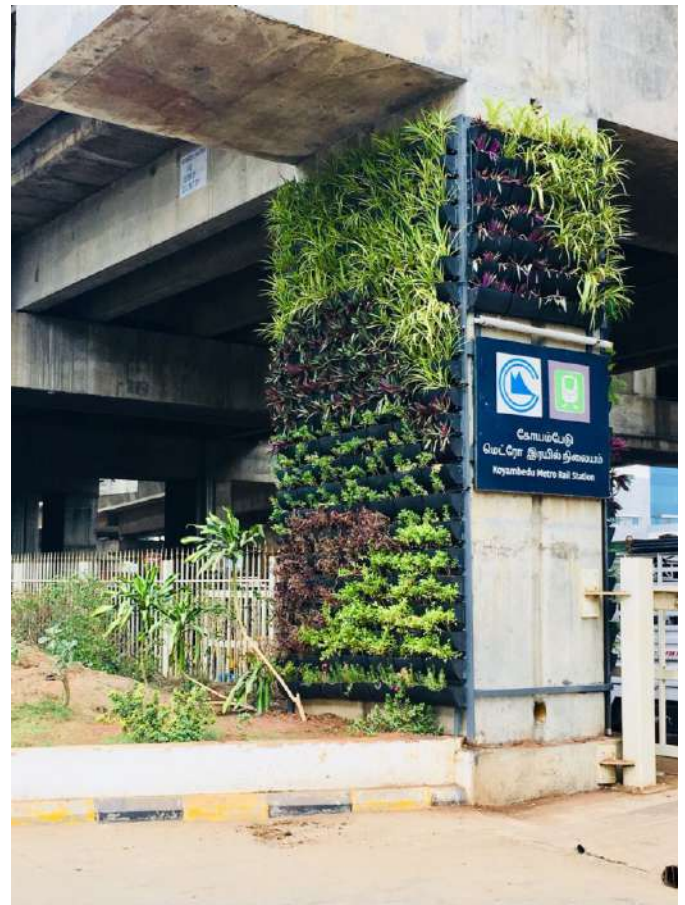
Vertical Garden Installed at Koyambedu Metro Station

"To plant a garden is to believe in tomorrow"

Chennai Metro Rail Limited in association with GREGO Recycling Pvt Ltd - a startup company, has come up with a unique idea after an intense research of converting old plastic waste into recyclable planter vases. This proves to be a boon to the society by reducing the Air pollution and controlling the plastic waste which are the major causes of global warming.

A total number of 400 planted vases were installed on the Pillar of Chennai Metro Station Koyambedu (parking area), a total of 1250 plants have been planted in these vases, and this vertical garden initiative comes with a complete drip irrigation system which ensures minimum water for all plants thereby reducing wastage of water. These plants also absorb more carbon dioxide from air, thereby reducing air pollution and giving way to fresh air.

Chennai Metro Rail Limited in collaboration with GREGO has further plans of installing vertical garden on more number of pillars in other Metro Stations as an initiative towards GREEN INDIA



Central Metro Station Subway Opened for Public

An integrated subway measuring a total length of 45 meters long and 11 m width has been built inside the Central Metro Station Concourse Level as a part of providing a common corridor for passengers to reach both metro station and the subway has been opened for public.

The entrance to the subway is located in the concourse level of the metro station entrance located in front of the part station. The subway can be utilized by the passengers to cross the highly congested Poonamallee High Road to reach the Suburban Rail and Central Station Terminals safely.

The subway has been provided with escalators and stairway on both sides of the roads for providing the best facilities to the passengers. The subway has been provided with an additional exit in addition to the already existing entrance and exit.



Month Long Traditional Board Games at Chennai Metro Rail Station

As a part of celebrating Chennai's rich history of games, Chennai Metro Rail Limited in association with Kreedha, an organisation that has been working for over fifteen years in researching, developing and reviving such traditional games of India, conducted a month-long road show culminating with Madras week to give an insight into the different traditional board games of Chennai from 16th July 2018 to 13th Aug 2018.

The city of Chennai is home to a wide range of traditional games that have been played for many many years. The temples and monuments are home to numerous boards inscribed on the floors – boards native to Chennai and those that have traveled here through cultural exchange with neighboring states and some that even seem to indicate an exchange with other countries.

In this connection, Kreedha conducted several games namely Pallanguzhi, Parama Patham, Aadu Puli Aatam, Kattam Vilaiyattu, Nakshatra Vilaiyattu, Nallu Katta Dhayam, Dhadi to name a few at the below mentioned metro stations from 16th July 2018 - 31st July 2018.

Nandanam metro station, Guindy metro station, Arumbakkam metro station, Ashok Nagar metro station, Thirumangalam metro station, Kilpauk metro station, Chennai Airport metro station, St. Thomas mount metro station, Vadapalani metro station, Ekkatuthangal metro station, Anna Nagar East Metro Station, Pachaiyappa's metro station, Little Mount Metro Station, Chennai Central metro station, Saidapet metro station

The Kreedha team were in red and yellow had tables and games set up for people to play. Several Passengers and Public participated enthusiastically

ANAEROBIC SEWAGE TREATMENT PLANT IN CMRL (CMBT STATION)

“Water is life, Treat it right”

CMBT is one of the metro stations with large number of passenger footfall and large amount of sewage generation due to extensive toilet usage. Water usage at CMBT Station for toilet is around 6000 liters per month. Since the sewage system of CMBT Station is not connected to main sewage, sewage collected in the collection pit shall be removed at regular intervals. It was decided to have a sewage treatment system which will reduce the water consumption and avoid the cost of sewage removal. Moreover, it was decided to have a sewage treatment system, which will consume no power.

Anaerobic sewage Treatment System:

Anaerobic digestion is a collection of processes by which microorganisms break down biodegradable material in the absence of oxygen. The process is used for industrial or domestic sewage treatment.

Anaerobic sewage Treatment Process Flow:



As compared with conventional aerobic treatment methods, the anaerobic process offers significant benefits:

- Zero energy consumption.
- Minimal sludge production.
- Minimum space requirements.
- Low nutrient requirement.
- Space-saving
- Emission-free
- Profitable

The treated water meets Pollution Control Board (PCB) norms in water quality. At CMBT Station CMRL has constructed an anaerobic sewage treatment plant for 10 KLD capacities and commissioned on 05th Jun 2018, by which Rs. 15,000 is saved on Water purchase cost and Rs. 8,000 on sewage removal per month. Totally Rs. 23,000/- per month and Rs. 2.8 Lakhs per annum is saved by having this Anaerobic sewage Treatment Plant.

The treated water is used for watering the garden available in CMBT Station. There is a plan using treated water for toilet flushing by providing an ultra-filtration.

All Women Metro Stations at Shenoy Nagar and Koyambedu

CMRL, as part of empowering women, has introduced all women Metro Station at Shenoy Nagar from 31-07-2018. Station Management activities like Ticketing, Customer Facing and Housekeeping will also be done by women here. There are many facilities and special features for women in the stations already. A total of 15 no's of women staff will be handling the Shenoy Nagar Metro Station in two shifts each. Koyambedu Metro Station will be made into a All Women Metro station from 01-08-2018.



