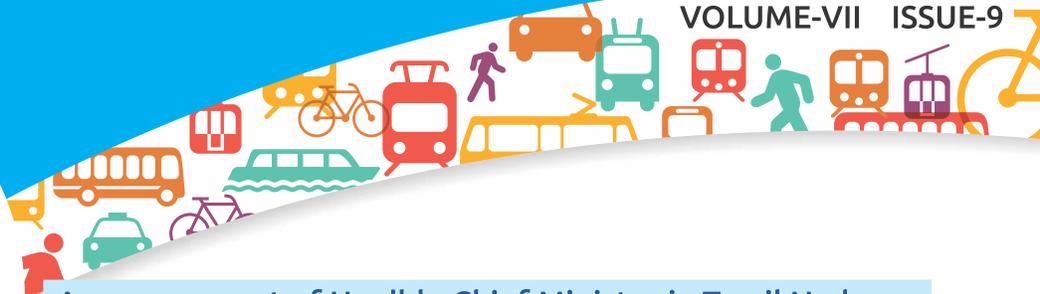




# CHENNAI METRO RAIL NEWS LETTER

VOLUME-VII ISSUE-9



## Announcement of Hon'ble Chief Minister in Tamil Nadu Legislative Assembly

The Honorable Chief Minister of Tamil Nadu, Selvi J Jayalalithaa has announced in Tamil Nadu Legislative Assembly under rule 110 on 15/09/15 for development of Central Square at a tentative estimated cost of Rs. 400 crores. The areas adjoining to Rippon Building, Victoria Public Hall, Central Suburban Railway Station, Chennai Central Railway Station, Chennai Railway Headquarters Building, Chennai Medical College, Government General Hospital, Park Town Suburban Station, MRTS Station and Ramaswamy Mudaliar Choultry will be developed at international standards as Central Square.

The heavy traffic in this area is due to transfer of passengers from Chennai Central Railway station and inter-changing from sub-urban terminals at Moore Market Complex and Park Station and MRTS Station behind Government General Hospital.

These passengers require easy and safe access to various modes of transport like MTC buses, taxis and autos apart from proposed Metro Rail. It has been proposed to implement a comprehensive plan for traffic integration between various modes of transport to enable seamless and convenient transfer of passengers.

The project will be funded by Chennai Metropolitan Development Authority and implemented by Chennai Metro Rail Limited.

## TBM 2 Makes Successful Breakthrough at AG-DMS Station

TBM 2 (Tunnel Boring Machine) of UAA 03 has made a successful breakthrough at AG-DMS on 01-09-15. TBM 1 had already made breakthrough at AG-DMS on 4th July 2015.

The tunneling work had commenced from Saidapet Ramp towards AG-DMS station with a total drive length of 3.3 Km.

The tunneling was carried out with drive through option, passing both the TBMs through two of the underground stations at Nandanam and Teynampet. With this breakthrough, the entire tunneling work of UAA-03 is broadly completed.

This was one of the major challenges for CMRL as one of the JV partners of main contract namely M/s Mosmetrostroy had abandoned the tunneling works halfway. CMRL engaged another contractor to complete the balance works which has now been completed successfully.

### Thiru. Madhusudhan Prasad, I.A.S.,

Secretary  
Ministry of Urban Development  
Government of India &  
Chairman, CMRL

### Thiru. Pankaj Kumar Bansal, I.A.S.,

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## CMRL Activities



### Public Notification

To serve our guests better, CMRL introduces Tourist Card at Discounted rates with Refundable facility. The Tourist cards will be available to public with effect from 07-09-15. Now spend less and enjoy unlimited rides!!

## INTRODUCING TOURIST CARDS

SAVE YOUR TIME

with  
**UNLIMITED RIDES**

NO MORE QUEUE

**SPEND LESS!  
RIDE MORE**

We value your enormous response to Chennai Metro. To serve you better we have introduced Tourist Cards at Discounted Rates. Now spend less and enjoy unlimited rides.

Description	Features
Cost	₹ 100/- (Fare) + ₹ 50/- (Refundable Deposit)
Special Features	<ul style="list-style-type: none"> <li>Unlimited Rides.</li> <li>Valid for one day only.</li> <li>Can be purchased on all days and shall be used within 30 days from the date of purchase.</li> </ul>

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 @cmrlofficial
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 chennaietrorail.gov.in

### CMRL Campaigns for "Celebrating Mobility Week"

The International Association of Public transport (UITP) has taken an initiative to create awareness on usage of public transport by launching a global movement "the 2015 UITP Mobility Week campaign". UITP launched this world wide campaign during the European Mobility Week from 16th to 22nd September 2015. Around 92 countries join "The 2015 UITP Mobility Week Campaign" movement by displaying the message "Celebrating Mobility Week" in websites, social media.

Public Transport offers energy and cost effective mobility solutions that benefit everyone, protect the environment and creating livable cities. With more and better public transport, cities can cut traffic congestion, foster social inclusion and reduce pollution.

In the fight against climate change, electro-mobility is becoming increasingly popular. However, whether electric or not, cars simply add to congestion: on a same corridor, sub-urban rail by comparison can carry up to 50 times more passengers than cars. But e-mobility is not limited to cars: more and more bus systems are become electric whilst energy regeneration from metro braking allows for the charging of electric vehicles. Multi-modality has become a matter of course.

Being a member of UITP, CMRL participated in this campaign to create awareness among public in Chennai city and conveying a common message "Celebrating Mobility Week".



**CELEBRATING MOBILITY WEEK**  
16-22 SEPT 2015



### Mock Fire Drill Conducted at CMBT Metro Station

A Mock Fire Drill and Hands on Training on Fire Safety system for local fire station was conducted by CMRL assisted by Tamil Nadu Fire and Rescue Services at CMBT Station on 22-09-15. SMOKE DETECTOR, FIRE ALARM, Grounding of Lift, Escalator and opening of AFC gates were monitored. FIRE HYDRANT system also was tested by local fire service personal during the Drill at street level. With proper announcement the drill was completed in few minutes without any disturbance to commuters. Routine Mock Fire Drills has been planned to be conducted at Arumbakkam Metro Station and Koyambedu Metro Station by this month. Mock Fire Drills are routinely conducted for the upkeep of Fire Safety Systems at CMRL Metro Stations



# Overview of Chennai Metro Rail Works

## Track Progress as on 30-09-2015 (ATA-01)

### **CORRIDOR-I :**

In Elevated section between saidapet ramp and airport, 13667m plinth concrete completed out of 18723m and 19 turnouts were laid out of 23 turnouts and balance work in progress. Casting of scissor cross over at Airport has been completed.



*Airport Scissor Crossover*

### **CORRIDOR-II :**

In Elevated section between Thirumangalam and St. Thomas Mount, Track work completed for entire elevated stretch of 24788m track length with 27 turnouts.

In the underground section between Thirumangalam ramp to Chennai central, Track work in progress between Thirumangalam ramp to Egmore and out of 19888m, 4889m plinth concrete completed and balance in progress.



*Meenambakkam Cut & Cover Ramp*

### **Depot :**

Track work completed for entire depot length of 14606m and 41 numbers of turnouts were laid.

## Progress of Depot work as on 30-9-2015

S.NO.	DESCRIPTION	STATUS OF WORK
1	Stabling Shed, Rolling Stock Shed	Completed
2	Effluent Treatment Plant	Civil structural works are in progress
3	Under Ground Services	Cover slab works in progress, trenches are completed
4	Compound Wall	Completed except near to the entrance area; 98% completed
5	Road Works	Subgrade preparation completed, final layer in progress



*Rolling Stock Shed*

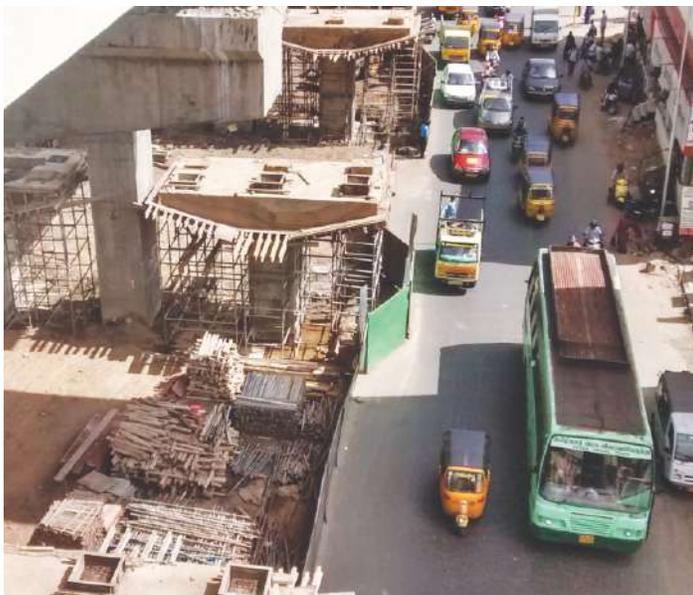


*Depot View*

# Progress of civil works in Elevated Sections as on 30-9-15

## Progress flyover work at Vadapalani

Item	Total Nos	Completed Nos
Pile	Completed	Completed
Pile caps	Completed	Completed
Piers	33	27



Vadapalani Flyover work -Piercap & Pedestal construction in progress



I-Girder erection work in progress at Vadapalani Flyover

## Progress from Nanganallur Road to Airport

Item	Total Nos	Completed No's
Open Foundation	Completed	Completed
Pier	Completed	Completed
Cut & Cover Ramp Excavation	Completed	Completed
PCC	Completed	Completed
RCC Works	21,000 cum	20,200 cum
Span Erection	107	83
Portal Beam	26	25



Cut and Cover work in progress from OTA to Airport Viaduct



Cut and Cover work in progress from OTA to Airport Viaduct

## Progress of works in Under Ground Sections

Name of Work	Status of the Work	
<b>UAA 01</b>  Washermenpet Metro, Mannadi, High Court, Central Metro and Egmore Metro and May Day Park	<ul style="list-style-type: none"> <li>• <b>Washermenpet Metro Station</b> : 251 m out of 314 m roof slab completed. 251 m out of 314 m concourse slab completed. Ancillary building Ground floor slab construction in progress. Architectural finishing works in progress. Entry Exit D wall 116 / 117 Completed.</li> <li>• <b>Mannadi Station</b> : Architectural works in progress. Ancillary building retaining wall in progress. Utility gallery walls completed. ES-02, ES-01 roof slab completed.</li> <li>• <b>High Court Station</b> : 211 out of 231 diaphragm wall panels for Entry / Exit structures Completed. ES-02 base slab work in progress and ES-06 excavation works in progress. Architectural works in progress.</li> <li>• <b>Central Metro Station</b> : Rock bolting in progress at High Court side shaft. Station box - Roof slab and upper track slab excavation in progress. Rippon building 36 m out of 80 m base slab completed. Ancillary building piles and excavation works in progress. VS 06 - Above ground structure construction in progress</li> <li>• <b>Egmore Metro Station</b> : Utility gallery Construction completed. Architectural works &amp; MEP works in progress.</li> </ul>	 <p>Work in progress at Washermenpet Station</p>  <p>Work in progress at High Court Station</p>
<b>UAA 02</b>  Government Estate, LIC and Thousand Lights	<ul style="list-style-type: none"> <li>• <b>Government Estate Station</b> : 48 m of roof slab for Entry "B" &amp; 12 m for Entry "A" completed. Block works, platform wall &amp; slab works are under progress.</li> <li>• <b>LIC Station</b> : Block works &amp; Top slab under progress at Concourse level.</li> <li>• <b>Thousand Lights Station</b> : Ancillary building footing works are completed &amp; columns are cast and Utility gallery works is under progress.</li> </ul>	 <p>Work in progress at Nehru Park Station</p>
<b>UAA 03</b>  AG-DMS, Teynampet, Nandanam and Saidapet Metro	<ul style="list-style-type: none"> <li>• <b>AG - DMS Station</b> : All 33 plunge columns, 22 no's of diaphragm wall panels of Entrances, 81.50 m of concourse slab and 17.30 m of Base completed.</li> <li>• <b>Teynampet Station</b> : 70 no's of diaphragm wall panels of Entry / Exit structure and all 230 m of Roof Slab and 40 m of Concourse Slab completed.</li> <li>• <b>Nandanam Station</b> : 232 m of Roof Slab (west side) and 146.60 m on east side and 28.60 m of Concourse Slab completed.</li> <li>• <b>Saidapet Station</b> : 50 no's of diaphragm wall panels of Entrances completed.</li> <li>• <b>Saidapet Ramp</b> : 149 m Base Slab and 44 m Roof Slab completed.</li> </ul>	 <p>Work in progress at Kilpauk Station</p>
<b>UAA 04</b>  Nehru Park, Kilpauk and Pachaiyappa's College.	<ul style="list-style-type: none"> <li>• <b>Nehru Park Station</b>: 830 m UPE wall and 1970 Sq m platform slab casted. 18 nos. D'wall panels in Entry-A and 10 panels in Entry B completed. OTE duct erection completed.</li> <li>• <b>Kilpauk Station</b>: Block work in progress at Ancillary building. Excavation and strut fixing in progress at Entry-C.</li> <li>• <b>Pachaiyappa's College</b>: Ground floor slab rebar work in progress at Ancillary building. Excavation in progress at Entry-C.</li> <li>• <b>Cross Passage Work</b> : 6 / 11 nos of Cross Passages have been completed.</li> </ul>	 <p>Work in Progress at Pachaiyappa's Station</p>
<b>UAA 05</b>  Shenoy Nagar, Anna Nagar East, Anna Nagar Tower and Thirumangalam	<ul style="list-style-type: none"> <li>• <b>Shenoy Nagar Station</b> : Roof slab 332 / 352m completed. Architectural and MEP works in progress. Ancillary building completed, false ceiling and raised floor works in all the system rooms in progress. Chiller plant installed</li> <li>• <b>Anna Nagar East Station</b> : 60% Ancillary building works completed. Three entry exit structure civil works nearing completion. SWC Room works in progress .MEP and Architectural finishes work in progress.</li> <li>• <b>Anna Nagar Tower Station</b> : Ancillary building RCC works completed, block work and finishing work In progress. False ceiling and raised flooring in SWC rooms in progress. Three Entry exit structural works in progress.</li> <li>• <b>Thirumangalam Station</b> : Ancillary building RCC works completed, block work and finishing work in progress. False ceiling and raised flooring in SWC rooms in progress. Three Entry exit structural works in progress.</li> <li>• <b>Thirumangalam Ramp</b> : All structural works completed, final restoration work in progress.</li> </ul>	 <p>Work in progress at Shenoy Nage Station</p>  <p>Work in progress at Anna Nagar Station</p>

## Rolling Stock Progress - Sep 2015

The total order quantity for design, manufacture, supply, testing and commissioning of trains from Alstom Transport is 42. Out of which 9 trains are imported from Alstom, Brazil and remaining 33 trains are being delivered from Alstom Factory set up at Sricity, Andhra Pradesh as a measure of promoting indigenization and technology transfer of Metro train manufacture.

### Trains delivered to depot

A total of 29 trains including the 9 trains of import category, have been delivered to CMRL Koyambedu Depot. Train 26, 27, 28 & 29 was delivered in the first week of September 2015.



### Trains under testing at CMRL facility

All nine trains in the import category from Alstom, Brazil have been delivered to the Koyambedu depot and have completed static inspection followed by all major type and routine tests in depot and mainline.

The first twenty (train No. 10 to 29) Sricity manufactured trains are delivered to CMRL Depot.

- Trains 10 to 18 have completed all tests in Depot and Mainline.
- Trains 19 to 29 are under various stages of static inspection, tests in Depot and Mainline.

### Trains commissioned and conditionally accepted by CMRL

- Nine trains have been issued with completion certificate and seven among these nine trains have been conditionally accepted by CMRL in June 2015.
- The accepted 7 trains are put under revenue service of Stage-1 section of CMRL from June 2015. Maintenance activities on these 7 trains are carried out by CMRL Rolling Stock Maintenance Team and the warranty obligation is done by the contractor.
- Present focus is on addressing the customer complaints reported in the trains, which has seen reduction in the complaints, resulting into improvement of the customer satisfaction.

### Trains under manufacturing at Sricity

- Trains 30 to 35 are under various stages of production, as per the schedule at Alstom factory, Sricity. These trains will be progressively delivered to depot by first week of December 2015.

### Standardization and indigenization of Rolling Stock

- Based upon the directions of Ministry of Urban Development, conference on "Standardization and Indigenization of Rolling Stock for all Metro systems in India" was organised by CMRL on 29th and 30th Sept, 2015 inviting all Metro Operators of India and Metro Rail Car manufacturers in India. The report, after the deliberations is planned to be submitted to MoUD in the month of Oct 2015.



## Progress of Elevated Station Works as on 30-9-2015



*Little Mount Station*



*Guindy Metro Station*

S. No	Stations Description	Guindy Metro		Nanganallur Road		ST Mount Metro	
		Total Nos	Completed	Total Nos	Completed	Total Nos	Completed
1	Pile cap	Completed		Completed		Completed	
2	Stub Column	76	68	56	48	205	195
3	Plinth beam at street level (mt)	800	760	420	395	3900	3750
4	Footings	63	62	39	37	Completed	
5	Column above tie beam	94	87	53	47	228	209
6.	Concourse level slab	2237	2100	1990	1600	11840	10050
7	Platform Level	Completed		1000	930	completed	
8	Roof Slab	1000	650	550	480	NA	NA
9	Column above platform	NA	NA	32	28	NA	NA

NA- Not Applicable



*Nanganallur Station*



*St. Thomas Mount Station*

# Other Activities at CMRL

## Exemplary Contributions to CMRL

Thiru D. V. Thiruve Kamban, L. A. Specialist, Tmt. S. Sasikala, PS to DRO & LO, Thiru N. E. Srinivasa Raghavan, Inspector of Survey, Thiru R. Mohanasundaram, Superintendent, Thiru M. Pandiyan, Sub Inspector of Survey, Thiru B. Easwaraprasad, Surveyor of Land Acquisition Department have played a very critical and active participation in the land acquisition, land take settling and all the related issues have been rewarded with a letter of appreciation and rewards for their tireless involvement and commitment to the goal of achieving difficult tasks in land related activities.

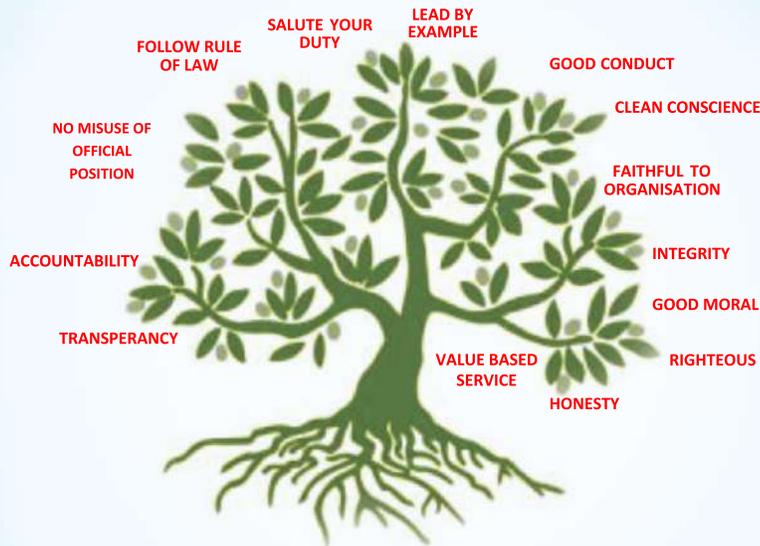
## Vivekananda Educational Society Students Visit CMRL



The team of 40 students (Boys and Girls of Senior Secondary Classes) from 9 CBSE schools of Vivekananda Educational Society and teachers visited CMRL as part of their educational trip. The enthusiastic team travelled from Alandur station to Koyambedu Metro Station and reached CMRL Admin Building on 21st of September. As part of their learning experience, they were also given the opportunity to view the heart of CMRL - the OCC Gallery.

## Vigilance Corner

### PREVENTIVE VIGILANCE :AN ESSENTIAL FOR EVERY EMPLOYEE

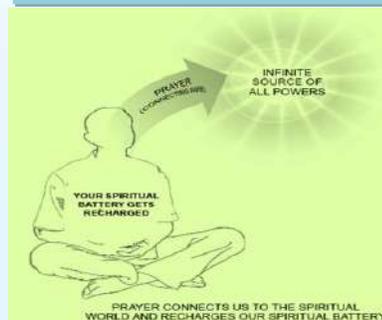


**PREVENTIVE VIGILANCE TREE**

### DAILY PRAYER

- In the morning do your Daily prayers to make your dreams/Goals come true
- In the night before you sleep do a self inspection of your failures and try to improve/rework on them.

### SOURCE OF POWER



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