



# CHENNAI METRO RAIL NEWS LETTER

VOLUME-XI ISSUE-13



## Chennai Metro Rail Republic Day celebrations

Thiru. Pankaj Kumar Bansal, IAS, Managing Director hoisting the National flag in front of CMRL Admin Building at Koyambedu on 26.1.2016. All Directors, officers & staff of CMRL and officials from GC participated in this occasion.



As part of Republic day celebrations, several sports events were conducted for CMRL employees namely Tug of War and Throw Ball for Men and Musical Chair, Throw Ball for Women

### Throw Ball Event:

1st Prize	Selvi. Latha Priya, (JE-Elec)	1st Prize	Thiru. G. MayilSwamy, (Station Controller)
2nd Prize	Tmt. Thulasi, (JE-Elec)	2nd Prize	Thiru. Annanda Jothi, (Technician Elec)
3rd Prize	Selvi. Gomathi, (JE-Elec)	3rd Prize	Thiru. Sakkaram Pandiyan, (JE-Elec)
		3rd prize	Thiru. ThiruKumaran, (DM-MEP)

### Musical Chair:

1st prize	Tmt. Vanitha, (PS to CGM UG)
2nd prize	Selvi. Ramya, (Technician Elec)
3rd prize	Tmt. Meena, (JE-Elec)

### Tug of War event Winners:

Thiru. Ashok, (AM-AFC), Thiru. Ajish, (AM - Scada), Thiru. Mohana Sundaram, (Supt-DRO Sec), Thiru. Jined Arum, (Deputy Collector), Thiru. Senthur Pandiyan, Thiru. Vijaya Kanth, Thiru. Sakthi Vel, Thiru. Guna Prakasam.



MD / CMRL graced the occasion and distributed 53 prizes to winner's. Children of employees also participated and won prizes.



### Chairman

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

Secretary  
Ministry of Urban Development  
Government of India

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

Managing Director

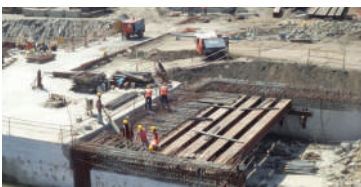
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## Tunneling Work Progress as on 31.01.16

Package	TBM	From	To	Tunnelling length in mtr	Completed in mtr	Percentage completed
<b>UAA 01</b>	TBM 1	Washermenpet Metro	Egmore Metro	4445	3218	72.4
	TBM 2	Washermenpet Metro	Egmore Metro	4445	3140	70.6
	TBM 3	May Day Park	Central Metro	1040	1040	100
	TBM 3	May Day Park	Central Metro	1040	1040	100
<b>UAA 02</b>	TBM 1	May Day Park	AG-DMS	3616	1835	50.7
	TBM 2	May Day Park	AG-DMS	3616	1700	47
<b>UAA 03</b>	TBM 1	Saidapet Metro	AG-DMS	2868	2868	100
	TBM 2	Saidapet Metro	AG-DMS	2868	2868	100
<b>UAA 04</b>	TBM 1	Nehru Park	Egmore Metro	948	948	100
	TBM 2	Nehru Park	Egmore Metro	948	948	100
	TBM 3	Pachaiyappa's College	Nehru Park	1474	1474	100
	TBM 1	Pachaiyappa's College	Shenoy Nagar	966	966	100
	TBM 2	Pachaiyappa's College	Kilpauk	898	898	100
	TBM 2	Pachaiyappa's College	Shenoy Nagar	966	966	100
	TBM 1	Kilpauk	Nehru Park	576	576	100
	<b>UAA 05</b>	TBM 1	Shenoy Nagar	Thirumangalam	2797	2797
	TBM 2	Shenoy Nagar	Thirumangalam	2797	2797	100
<b>Total</b>				<b>36308</b>	<b>30079</b>	<b>82.84</b>



Work in progress at Central Metro Station



Work in progress at Egmore Metro Station



Work in progress at High Court Metro Station



Work in progress at Washermenpet Metro Station

### Pongal Special - Extension of Metro Train Services

Extension of train services were made to facilitate the passengers during Pongal Holidays.

- 13.01.16 (Wednesday) & 14.01.16 (Thursday) - Train services were extended up to 11:00 pm. (Last train from Koyambedu Station at 10:45 pm & Alandur Station at 11:05 pm)
- 15.01.16 (Friday) & 16.01.16 (Saturday) - Normal schedule.
- 17.01.16 (Sunday) - Service commenced at 08:00 am and ran up to 11:00 pm. Extra services were operated based on passenger flow.
- 18.01.16 (Monday) - Services started at 05:00 am to facilitate passengers returning from Pongal Holidays.



## Track Progress as on 31.01.16 (ATA-01)

### CORRIDOR - I

In Elevated section between Saidapet Ramp to Airport, out of 18723m track work completed for the length of 17323m and 20 turnouts were laid out of 23 turnouts. Balance work in progress.

Casting and finishing of scissor cross over at Airport was completed.

### 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, out of 19888m, Track work completed for the length of 8402m with 5 turnouts between Thirumangalam ramp to Shenoy Nagar Station and balance work in progress. Casting of scissor cross over completed at Shenoy Nagar.

### DEPOT

Track work completed for entire depot length of 14606m with 41 turnouts.



*Track Finishing completed at Box section of Meenambakkam*



*Track finishing completed at Ramp section of Meenambakkam*



*Track made ready for concreting at Tunnel between SAT-SAE*

## Progress of Depot work as on 31.01.16

S.NO.	DESCRIPTION	STATUS OF WORK
1	Stabling Shed, Rolling Stock Shed, Road Works	Completed
2	Effluent Treatment Plant	Commissioning in progress
3	Under Ground Services, Compound Wall	Completed



## Progress of Civil Works in Elevated Sections as on 31.01.16

### Progress flyover work at Vadapalani

Item	Total Nos	Completed Nos
Pile, Pile Caps, Piers I Girder Casting	Completed	Completed
Pier Caps	33	31
I Girder Erection	78	45
Deck Slab	29	10



Work in progress at Vadapalani Flyover

### Progress from Nanganallur Road to Airport

Item	Total Nos	Completed No's
Open Foundation	}	Completed
Pier, Cut & Cover Ramp Excavation		
PCC, Portal Beam RCC Works		
Span Erection		



Viaduct works completed between Nanganallur Road and Airport

### Kiosks in CMRL Metro Stations

In order to provide passenger related amenities in CMRL metro stations, Property Development Division carried out tender process for licensing of retail space in station for installation of kiosks. This contact was awarded to Ms. Grace Services in September 2015 for food and beverage category. Ms. Grace services has tied up with various food chains and in the process of establishing following shops in the stations.

Sl No	Name of Station	Kiosks - Brand Name
1	Koyambedu	A2B, Frankie
2	Arumbakkam	A2B, Frankie
3	Vadapalani	A2B, Frankie, Madras Coffee House
4	Ashok Nagar	Frankie
5	Ekkattuthangal	Frankie
6	Alandur	A2B, Café Coffee Day

The license to these kiosks are given for 7 years with annual escalation 20% every 3 years. These shops are located at street level of the station at non-paid areas. These shops will function during the operational hours of Chennai Metro Rail. Kiosks in Vadapalani and Alandhur are already in operation and rest under implementation. These kiosks serve the metro users and also other general public.





## Progress of works in Under Ground Sections

Name of Work	Status of the Work
<p><b>UAA 01</b></p> <p>Washerment Metro, Mannadi, High Court, Central Metro, Egmore Metro &amp; May Day Park</p>	<ul style="list-style-type: none"> <li>• <b>Washerment Metro Station</b> : 135 out of 164 OTE duct erection completed Ancillary building - Ground Floor slab construction completed, First floor construction completed. ES 01 - Excavation 97% Completed, Base Slab Construction in progress.</li> <li>• <b>Mannadi Station</b> : Architectural works in progress. Ancillary building retaining wall construction work is in progress. Utility gallery walls completed. ES -02, ES -01 roof slab completed.</li> <li>• <b>High Court Station</b> : 216 out of 231 diaphragm wall panels for Entry / Exit structures Completed. ES 04, ES 06, VS 06 Roof slab construction in progress. Ancillary Building - RCC walls and Columns construction in progress. Architectural works in progress.</li> <li>• <b>Central Metro Station</b> : 353.4m out of 384m concourse slab completed. 136.8m out of 384m Upper track slab completed. Rock bolting work in progress at High Court side shaft Base slab. Confinement walls construction in progress at SHC Shaft. Base Slab Excavation in progress ES 07 - 36m out of 80m base slab completed, Concourse Excavation is in progress.</li> <li>• <b>Egmore Metro Station</b> : Ancillary Building Ground floor slab &amp; First floor construction in progress Architectural &amp; MEP works in progress.</li> </ul>
<p><b>UAA 02</b></p> <p>Government Estate, LIC and Thousand Lights</p>	<ul style="list-style-type: none"> <li>• <b>Government Estate Station</b> : 48 m of roof slab for Entry "B" &amp; 12m 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><b>UAA 03</b></p> <p>AG-DMS, Teynampet, Nandanam and Saidapet Metro</p>	<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, 81.50m of concourse slab and 17.30m 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 40m of Concourse Slab completed.</li> <li>• <b>Nandanam Station</b> : 232 m of Roof Slab (west side) and 156m on east side and 28.60m 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><b>UAA 04</b></p> <p>Nehru Park, Kilpauk and Pachaiyappa's College.</p>	<ul style="list-style-type: none"> <li>• <b>Nehru Park Station</b> : 18 panels in Entry B completed. Block work, plastering and staircase work in progress at Ancillary building. Utility gallery work completed. Entry-A inclined Roof slab casted. Architectural and MEP works in progress.</li> <li>• <b>Kilpauk Station</b> : Plastering work in progress at Ancillary building. Balance roof slab casted at Entry - C &amp; water proofing in progress. 10 D'wall panels completed at Entry-B. Road diversion work in progress. Architectural &amp; MEP works in progress.</li> <li>• <b>Pachaiyappa's College</b> : 180 / 182 nos - OTE duct erection work in progress. Plastering and staircase work in progress at Ancillary building. Utility gallery work in progress at Entry-C. Road diversion work in progress. Architectural and MEP works in progress.</li> <li>• <b>Cross Passage Work</b> : Out of total 11no. of cross passages, 7 CP's completed 100% and 2 CP's of 85% done. Grouting work in progress at remaining 2 CP's.</li> </ul>
<p><b>UAA 05</b></p> <p>Shenoy Nagar, Anna Nagar East, Anna Nagar Tower and Thirumangalam</p>	<ul style="list-style-type: none"> <li>• <b>Shenoy Nagar Station</b> : Platform work in progress with 90% completed. MEP &amp; architectural finish works in progress and rooms handover to System wide contractors in progress. Two entry exit RCC structure completed. Station box back filling work for restoration in progress.</li> <li>• <b>Anna Nagar East Station</b> : 95% platform work completed. MEP and architectural finish works in progress and rooms handover for System wide contractors in progress. Two entry exit RCC structure completed. Ancillary building rooms handing over to SWC contractor in progress.</li> <li>• <b>Anna Nagar Tower Station</b> : Civil works of station box almost completed. MEP &amp; architectural finish works in progress and rooms handover for System wide contractors in progress. Utility restoration work in progress. 95% works in Ancillary building completed.</li> <li>• <b>Thirumangalam Station</b> : Civil works of station box almost completed. MEP &amp; architectural finish works in progress and rooms handover for System wide contractors in progress. Three entry exit RCC structure completed. Utility restoration work in progress.</li> <li>• <b>Thirumangalam Ramp</b> : All civil works of Ramp completed with surface permanent restoration work under progress.</li> </ul>



Ancillary building works in progress at Anna Nagar East Station



ES 02 Water proofing work in progress at Anna Nagar Tower Station



Machinery erection in Ancillary building work in progress at Kilpauk Station



MEP Works in progress at Thirumangalam Ramp



Utility Gallery work at Entrance C in progress at Pachaiyappa's Station



Ventilation shaft work in progress at Thirumangalam Station



Work in progress at Shenoy Nagar Station

## Rolling Stock Work Progress as on 31.01.16

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 indigenisation and technology transfer of Metro train manufacture.

### Trains delivered to depot

A total of 33 trains including the 9 trains of import category, have been delivered to CMRL Koyambedu Depot. Train No. 33 was delivered to depot on 3rd of January 2016.

### 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.

### Trains under testing at CMRL facility

All other trains delivered to CMRL are under various stages of testing and commissioning in CMRL depot and mainline.

### Maintenance of CMRL Trains

- Maintenance activities on these 7 trains are carried out by CMRL Rolling Stock Maintenance Team and the warranty obligation is done by the contractor.
- Regular maintenance activities including the monthly, half yearly, etc. are on progress as per schedule. Other than the regular maintenance activities, floor polishing activity was undertaken in TS 4 on trial basis.
- The monthly mock up schedule of Rail Road vehicle was carried out on 4th Jan 2016 where functioning and working of Re-railing equipments such as Power packs, Hydraulic Jacks, Spreader, Cutter, Airbags, Rescue trolley etc. are checked. The testing and commissioning of this Depot Machine is also completed.

### Trains under manufacturing at Sricity

- Production activities on Train 34 have completed and internal routine static testing by Alstom at Sricity factory is under progress.
- Trains 35 to 39 are under various stages of production, as per the schedule at Alstom factory, Sricity.

### Other activities

- Thiru. K. Veeramani, Technician (Electronics) was nominated from Rolling Stock department for presenting the features of Rolling Stock in the All India Tourist and Industrial Trade Fair (Island Grounds) in Chennai. His contribution towards the event was appreciable.
- The cab and saloon mock up, which was placed in CMBT Bus terminus for public viewing, was shifted from CMBT to CMRL Koyambedu Depot on 30th Jan 2016.





## Progress of Elevated Station Works as on 31.01.16

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	71	56	50	205	200
3	Plinth beam at street level (mt)	800	785	420	400	3900	3850
4	Footings	63	62	39	38	Completed	
5	Column above tie beam	94	90	53	49	228	215
6.	Concourse level slab	2237	2210	1990	1850	11840	11300
7	Platform Level	Completed		1000	965	completed	
8	Roof Slab	1000	850	550	520	NA	NA
9	Column above platform	NA	NA	32	28	NA	NA

NA– Not Applicable



*Airport Metro Station*



*concourse level works in progress at Little Mount Metro station*



*Meenambakkam Metro Station*



*platform roof work in progress at Nanganallur Road Metro Station*



*Work in progress at Guindy Station*



*Work in progress at St Thomas Mount Metro Station*



## CMRL Activities

### Updates From Land Department During The Month of January 2016

The land acquisition for extension of Corridor-1 of Chennai Metro Rail Ltd from Washermanpet to Wimco Nagar has commenced under Tamil Nadu Acquisition of Land for Industrial Purposes Act 1997.

The land to be acquired falls both in Chennai and Tiruvallur Districts. The District Collectors of Chennai and Tiruvallur District are the Land Acquisition Officers under this Act.

As per Section 3(2) of the Act, individual notices have been served on the land owners to show cause as to why the land should not be acquired. Public Notices have also been published in one Tamil Daily "Dinamani" and in one English Daily "Indian Express" on 23.01.2016 and 24.01.2016.

Further, the public notices have also been published in the Notice boards of Collector's Office, concerned Taluk Office of Chennai and Tiruvallur District.

### Security Training Provided to CMRL Staffs and outsourced Personnel of CMRL

65 CMRL staffs and 150 private outsourced CMRL personnel were trained on security matters by the trainers from Tamil Nadu Commando School from 04.01.2016 to 07.01.2016 (4 days) at Alandur Metro Station. This training will help them in detecting any unauthorized or suspicious objects within the CMRL premises and Metro trains. Thereby, the trained staffs act as a force multiplier. The motive behind the training is to make the CMRL premises safe and free from sabotage.



### CMRL pavilion in TTDC 42nd India Tourist & Industrial Fair 2016.

Chennai Metro Rail Limited has participated in the TTDC 42nd India Tourist & Industrial Fair- 2016, held at Island grounds, Chennai, by putting up a pavilion. Several photographs of the ongoing works of CMRL, route maps and other general information are displayed for viewing.

An Audio-Visual presentation is also being arranged in the pavilion about Chennai Metro Rail Project.



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