



CHENNAI METRO RAIL NEWS LETTER

VOLUME-I ISSUE-3



CMRL Inspection Trial Run between Alandur Station and Airport Station on 01-03-16

CMRL Inspection Trial Run between Alandur station and Airport station has been successfully completed on 01-03-16.

The inspection was conducted using self-propelled Overhead Maintenance Vehicle (OMV).

The inspection consisted of Checking of Track and Schedule of Dimension. Electrical Traction works are in progress.



Chairman
Thiru. Rajiv Gauba, I.A.S.,

Secretary
Ministry of Urban Development
Government of India

Thiru. Pankaj Kumar Bansal, I.A.S.,
Managing Director

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Meet Our Train Operators



The Metro Rail Operations have been functional since June 2015 and has been providing a safe, fast, reliable, accessible, convenient, comfortable, efficient and affordable public transport service preferred by all in a sustainable manner.

The Metro trains have been steered by a total of 35 Train Operators so far. There are 30 male train operators and 5 women train operators.

The train operators have been given training by CMRL in First aid, Firefighting, Rolling stock, Signaling system, Telecom, AFC.

They have also spent 4 months on the job training at DMRC and 6 months of on the job training and testing in CMRL.

All the train operators were selected through a series of rigorous selection process which included Online Examination, Psychometric examination and A1 category medical examination. The Train Operators have completed diploma in ECE, EEE.

So far a total of 34,13,349 passengers have travelled in the metro train since the day of inauguration.

In order to provide passenger related amenities in CMRL metro stations, Kiosks at street level of the stations are being provided as per the details given below:

1	Koyambedu	A2B, Frankie
2	Arumbakkam	A2B, Frankie, Madras Coffee House
3	Vadapalani	A2B, Frankie
4	Ashok Nagar	Frankie
5	Ekkatuthangal	Frankie
6	Alandur	A2B, Café Coffee Day

Tunneling Work Progress as on 31.03.2016

Package	TBM	From	To	Tunnelling length in mtr	Completed in mtr	Percentage completed
UAA 01	TBM 1	Washerment Metro	Egmore Metro	4445	3460	77.8
	TBM 2	Washerment Metro	Egmore Metro	4445	3222	72.5
	TBM 3	May Day Park	Central Metro	2080	2080	100
UAA 02	TBM 1	May Day Park	AG-DMS	3616	1835	50.7
	TBM 2	May Day Park	AG-DMS	3616	1700	47
UAA 03		Saidapet Metro	AG-DMS	5736	5736	100
UAA 04		Egmore Metro	Shenoy Nagar	6776	6776	100
UAA 05		Shenoy Nagar	Thirumangalam	5594	5594	100
Total				36308	30403	83.74

Track Progress as on 31.03.2016 (ATA-01)



Mass Spring System Concreting in progress between Shenoy Nagar station & Pachaiyappa's Station



Track concreting work in progress between Shenoy Nagar station & Pachaiyappa's Station

CORRIDOR-I

Entire Elevated section track work between Saidapet Ramp and Airport track work has been completed for the entire length of 18723m with 23 turnouts.

CORRIDOR-II

The Entire Elevated section track work between Thirumangalam and St. Thomas Mount, Track work has been completed for a total length of 24788m with 27 turnouts.

In the underground section between Thirumangalam Ramp to Central Metro, out of 19888m has been completed for the length of 9765m with 5 turnouts. Between Shenoy Nagar to Pachaiyappa's College balance work is in progress.

Depot—Track work has been completed for the entire depot length of 14606m with 41 turnouts.

Second Metro Intervention Training Program by National Security Guard on 29.03.16



The Metro Intervention Training Program was conducted by the National Security Guard on 29th March 2016 at Alandur Metro Station.

Under the leadership of Major Praveen Kumar along with his team of and 110 NSG Commandos of Anti-terrorist Attack, Chennai.

DGP, Tamil Nadu, Commissioner of Police, Chennai, ADGP (Operations) and Inspector General of Police (Operations).

Mr.K.S.Sajeesh Kumar, SP Commando Police, Mr.Ravi Shekar, Assistant Commissioner, St. Thomas Mount and Mr.Pugazenthi, Assistant Commissioner, Koyambedu and Tmt Kayalvizhi A, IPS, CSO,CMRL had also participated in the Training Program.

- * CSO welcomed and briefed the NSG Commandos. CMRL Station Controller briefed the NSG Commandos on the emergency entry / exit points,

emergency staff access door and crew switch operation (manual opening mode) etc.

- * A PPT on anti-terrorism sabotage was presented by NSG.
- * The NSG demonstrated the method to release the hostages from the terrorists
- * The Bomb Disposal Squad demonstrated the technique of tracing out and defusing the hidden bombs, The Dog Squad using Sniffer Dog (Belgian Shepherd Malinois Dog) demonstrated the technique to identify the fire arms / bombs hidden by the terrorists.



Tmt A. Kayalvizhi, IPS., has taken charge as **Chief Security Officer of CMRL** on 01-03-2016



66,000 saplings planted by CMRL "International Environment Management Award 2015"



Environmental Management is also an essential part of CMRL. Around 66,000 saplings have been planted by CMRL in and around Chennai city. As compensatory tree planting measure, for every tree cut 25 no's of saplings were planted from 2010 till date and have been maintained so far. CMRL has also transplanted valuable, rare and sentimental and endangered species. 33 no's of trees at Pachaiyappa's College, 21 no's at Shenoy Nagar have been transplanted to name a few.

A 129 year old tree at Kilpauk Medical College was also transplanted and is maintained by CMRL so far. CMRL maintains the environmental standards at all the construction sites by controlling dust, noise, pollution, water pollution (drinking & underground) as per the norms of Government of India and Government of Tamil Nadu pollution control board.

As a mark of encouragement for the environmental standards maintained by CMRL, "Greentech Environment Award – 2015 (Silver)", by Greentech foundation, India was awarded to CMRL contractor Transtonnelstroy – Afcons JV (UAA01) & Transtonnelstroy – Afcons (UAA05) for outstanding achievement in Environment Management. And "International Environment Management Award - 2015" by ISQEM for demonstrating leadership support and commitment to Environment Management. ISQEM is a UK registered non-profitmaking association.

Progress of Civil Works in Elevated Sections as on 31.03.2016

Progress flyover work at Vadapalani

Item	Total Nos	Completed Nos
Pile, Pile Caps, Piers, I Girder Casting Pier Caps	Completed	
I Girder Erection	78	63
Deck Slab	29	23



Vadapalani Flyover



Progress from Nanganallur Road to Airport

Item	Total Nos	Completed Nos
Open foundation, Pier, Cut and Cover ramp excavation, PCC, Portal beam, RCC works, Span erection	Completed	



Completed Viaduct between Little Mount and Airport



Security Audit conducted by IB Team, New Delhi on 15th and 16th March 2016 at CMRL

The Intelligence Bureau (IB) team, New Delhi, conducted Security Audit of CMRL on 15th and 16th March 2016.

Thiru G.N.Jha, Assistant Director, Thiru S.K. Trivedi, Addl. Dy. Director along with their team conducted the Audit. During the Audit, a PPT on the existing and proposed arrangements on the safety and security measures of CMRL was presented before the team.

During the Audit, the team also gave suggestions to CMRL to enhance the security aspects of CMRL.

Progress of works in Under Ground Sections as on 31.03.2016

Name of Work	Status of the Work
UAA 01 Washermenpet Metro, Mannadi, High Court, Central Metro, Egmore Metro & May Day Park	<ul style="list-style-type: none"> * Washermenpet Metro station: Station box - Base to concourse staircase 3 no's has been completed. 135 out of 164 OTE duct erection has been completed. Ancillary building – Block work completed. Architectural finishing works are in progress at Station & Entry Exit. * Mannadi Station: Architectural works are in progress. Utility gallery walls have been completed. * High Court station: 216 /231 D - walls have been completed. Strut erection works have commenced. Ancillary Building - RCC walls and Columns construction is in progress. Architectural works are in progress. * Central Metro station: Station box D-walls has been completed. Station box - Concourse Slab excavation has been completed, upper track slab excavation and Base Slab Excavation is also in progress. * Egmore Metro station: Ancillary Building Ground floor slab Construction Completed, First floor construction in progress Architectural & MEP works in progress.
UAA 02 Government Estate, LIC and Thousand Lights	<ul style="list-style-type: none"> * Government Estate station: 48 m of roof slab for Entry "B" & 12m for Entry "A" completed. Block works, platform wall & slab works are under progress. * LIC station: Block works & Top slab under progress at Concourse level. * Thousand Lights station: Ancillary building footing works are completed & columns
UAA 03 AG-DMS, Teynampet, Nandanam and Saidapet Metro	<ul style="list-style-type: none"> * AG – DMS Station – 22 no's of diaphragm wall panels of Entrances, 81.50m of concourse slab and 17.30m of Base completed. * Teynampet Station – 70 no's of diaphragm wall panels of Entry / Exit structure and all 230 m of Roof Slab and 40m of Concourse Slab completed. * Nandanam Station - 232 m of Roof Slab (west side) and 156 m on east side and 28.60 m of Concourse Slab completed. * Saidapet Station– 50 no's of diaphragm wall panels of Entrances completed. * Saidapet Ramp– 149 m Base Slab and 44 m Roof Slab completed.
UAA 04 Nehru Park, Kilpauk and Pachaiyappa's College.	<ul style="list-style-type: none"> * Nehru park station: 31 panels in Entry B completed. Entry-A inclined Roof slab casted. Architectural and MEP works in progress. * Kilpauk Station: Plastering work in progress at Ancillary building. Balance roof slab casted at Entry-C and waterproofing in progress. 12 D-wall panels completed at Entry-B. Road diversion work is completed. Architectural and MEP works in progress. * Pachaiyappa's college: 180/182 no's OTE duct erection work in progress. Plastering and staircase work in progress at Ancillary building. Utility gallery work in progress at Entry-C. Architectural and MEP works in progress * Cross Passage Work (CP): 8 Out of total 11no of cross passages & 85% work completed in 2 CP's. Grouting work in progress at remaining 1 CP's.
UAA 05 Shenoy Nagar, Anna Nagar East, Anna Nagar Tower and Thirumangalam	<ul style="list-style-type: none"> * Shenoy Nagar station: MEP & architectural finish works in progress and rooms handing over to System contractors in progress. Station box back filling work for restoration in progress. * Anna Nagar East station: Platform work has been completed. MEP and architectural finish works in progress and rooms handing over to System contractors in progress. Ancillary building rooms handing over to SWC contractor in progress. * Anna Nagar Tower station: MEP & architectural finish works in progress and rooms handing over to System contractors in progress. Utility restoration work & Vent shaft work is in progress. 98% works in Ancillary building completed. * Thirumangalam station: - MEP & architectural finish works in progress and rooms handing over to System contractors in progress. Four entry-exit RCC structure completed. Utility restoration work & Vent shaft work is in progress. * Thirumangalam Ramp: All civil works of Ramp completed with surface permanent restoration work under progress.



Work in progress at Thirumangalam Station



Work in progress at Shenoy Nagar Station



Work in progress at Nehru Park Station



Work in progress at High Court Station



Work in progress at Chennai Metro

Rolling Stock Work Progress as on 31.03.2016



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 for promoting indigenization and technology transfer of Metro train manufacture.

Total no of Trains delivered to depot till date:

So far a total of 33 trains including the 9 trains of imported from Alstom, Brazil and 24 trains from Sricity, Andhra Pradesh have been delivered to CMRL Koyambedu Depot.

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 being 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:

- * Preventive maintenance activities on these 7 trains are carried out by CMRL Rolling Stock Maintenance Team and corrective maintenance is done by the contractor.
- * Preventive maintenance activities include 72 hrs inspection, monthly maintenance, quarterly maintenance, half yearly maintenance and annual maintenance. So far 556 times 72 hrs inspections, 42 times monthly maintenance, 11 times quarterly maintenance and 07 times half yearly maintenance are done by RS team.
- * Trains are externally cleaned using automatic train washing plant and Internal cleaning is done every day.
- * Diesel Shunting Loco bogies were run out and Shifting of bogies were done. It is a commendable task done by Rolling Stock team to increase the wheel life of diesel shunting Loco and to minimize the cost of maintenance.
- * The monthly mock up schedule of Rail Road vehicle was carried out on 2nd MAR 2016 where working of Re-railing equipment such as packs, Hydraulic Jacks, Spreader, cutter, Air bags, etc. are checked.



Trains under manufacturing at Sricity:

- * Train 34 has completed all Routine Static test at Alstom factory Sricity and final inspection for dispatch is under progress.
- * Train 35 is undergoing Routine Static test in Alstom factory, Sricity.
- * Trains 36 to 39 are under various stages of production, as per the schedule, at Alstom factory, Sricity.



Employee of the
Month Award - March 2016



Thiru S.S. Bharani, JE-Mechanical

For his contributions towards planning and executing the bogie run out and reversal for extending the life of wheels in Diesel Shunting Loco.

Progress of Elevated Station Works as on 31.03.2016

Stations		Guindy Metro		Nanganallur Road		ST Mount Metro	
S. No	Description	Total Nos	Completed	Total Nos	Completed	Total Nos	Completed
1	Pile cap			Completed			
2	Stub column	76	74	56	52	205	200
3	Plinth beam at street level (mt)	800	790	420	410	3900	3860
4	Footings	63	62	39	38	Completed	
5	Column above tie beam	94	91	53	50	228	220
6	Concourse level slab	2237	2235	1990	1890	11840	11500
7	Platform Level	Completed		1000	965	Completed	
8	Roof Slab	1000	900	550	525	NA	NA
9	Column above platform	NA	NA	32	29	NA	NA

NA- Not Applicable

Elevated Station Works Gallery



Airport Metro Station



Nanganallur Road Station



Little Mount Station



St Thomas Mount Metro Station



Meenambakkam Metro Station



Guindy Metro Station



CMRL Activities

Welcome to CMRL Family !!



Tmt Kayalvizhi A, IPS
Chief Security Officer



Tmt Dr Faritha Banu
Deputy Collector (LA)



Thiru Sivakumar K
Sr. Quantity Surveyor



Thiru Sankar Ganesh P
Sr. Quantity Surveyor



Selvi Ponni N
Quantity Surveyor



Thiru Elangovan P
Consultant (LA)



Thiru Murugan T.V.K
Consultant (Electrical)



Thiru Ramabiran K
Consultant (LA)

Spoken Tamil Class at CMRL

As a welfare measure Spoken Tamil classes are being conducted at CMRL for Non Tamil speaking employees to co.ordinate more effectively with other employees and also with public.



Certification of Appreciation & Cash Awards

* **Tmt. Suganya, Steno (bills)** has been awarded appreciation certificate and cash award for her outstanding efforts taken in ensuring promptness in processing wage bills, vehicle outsourcing bills, other miscellaneous bills etc.



* The following employees of **Land Acquisition Department**, CMRL have been given appreciation certificate for their outstanding critical efforts and active participation in Corridor 1 Extn:

1	Thiru K Ramabiran	Consultant (LA)
2	Thiru M. Ekambaram	Consultant (LA)
3	Thiru T. Udyakumar	Consultant (LA)
4	Thiru N.E Srinivasraghavan	Inspector of Survey
5	Thiru A. Ravichandran	Dy. Estate Officer.
6	Tmt S.Sasikala	Sr. PA
7	Thiru B.Easwaraprasad	Surveyor
8	Thiru Elangovan K	Surveyor
9	Thiru Mohanasundaram	Asst. LA & Social Division

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