



CHENNAI METRO RAIL NEWS LETTER

Volume-V

Issue-5

May 2015

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Commissioner for Metro Railway Safety inspection completed between Ashok Nagar and Alandur

Commissioner for Metro Railway Safety, Thiru.S.K Mittal conducted safety audit inspection between Ashok Nagar and Alandur section of corridor II on 25th and 26th May 2015 in Chennai.

CMRS conducted inspection in Ekkattuthangal and Alandur stations and in Tracks, Viaducts and Electrical works between the section of Ashok Nagar and Alandur. He inspected on works such as escalators, lifts, station control room, registers maintained, station working orders, interacted with station controller, verified on essential equipment's fire systems and related systems in stations

He also inspected Over Head Line maintenance vehicle at depot and viaduct.

Thiru.PankajKumarBansal,I.A.S., MD, CMRL, Thiru.R.Ramanathan, Director(Proj), Thiru.L.Narasim Prasad, Director(S&O), Thiru.E.Srinivas, Deputy CRS(S&T), Thiru.Mehmood Athani Secretary and other senior officials of CMRL and GC were present during inspection.





*Life is not a
problem to be
solved, but a
reality to be
experienced.*

Soren

Kierkegaard

Progress of Tunnelling works as on 31-5-15.

Package	TBM	From	To	Tunnelling length in mtr	completed in mtr	Percentage completed
UAA 01	TBM 1	Washermenpet Metro	Egmore Metro	4445	2767	62.2
	TBM 2	Washermenpet Metro	Egmore Metro	4445	2863	64.4
	TBM 3	May Day Park	Central Metro	1040	1040	100
	TBM 3	May Day Park	Central Metro	1040	297	28.6
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	TBM 1	Saidapet Metro	AG-DMS	2868	2863	99.8
	TBM 2	Saidapet Metro	AG-DMS	2868	2532	88.3
UAA 04	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
	UAA 05	TBM 1	Shenoy Nagar	Thirumangalam	2797	2797
	TBM 2	Shenoy Nagar	Thirumangalam	2797	2797	100
			Total	36308	28267	77.9

Track work progress as on 31-5-15.



In corridor II from Central Metro to St. Thomas Mount Metro track work completed for a length of 24062m and 22 turnouts were laid on viaduct between Thirumangalam and St. Thomas Mount Metro.

In depot, track finishing works completed for a length of 14333m and balance in progress.

In corridor I from Washermanpet Metro to Airport, plinth concrete completed for a length of 9207m and between Saidapet Metro to Nanganallur Road and 11 turnouts were laid. Track finishing works is in progress between Guindy Metro and Alandur.

Track work completed in left service loop at Alandur which is connecting corridor I and corridor II.

Track works started in underground section connecting Koyambedu to Thirumangalam concrete laid for a length of 308m. Flash Butt welding in progress between Anna Nagar East and Pachaiyappa's College. Rails were unloaded and Flash Butt Weld Completed in Egmore underground section.





Progress of Depot work as on 31-5-2015



Rolling Stock shed



Stabling shed



Depot view



*"Tomorrow is
always fresh,
with no mistakes
in it."*

Lucy Maud

Montgomery.



Sno	Description	Status of Work
1	Stabling Shed	Roof sheeting works are in progress. Raised platform work completed in 2 lines balance 2 lines work in progress.
2	Rolling stock shed	Testing and commissioning of minor machineries are in progress; Over Head works such as commissioning of EOT, fixing of lights are in progress. Inspection line works completed.
3	Effluent Treatment Plant	Excavation completed, civil structural works completed.
4	Under Ground Services	Track drainage works, telecom line, light tension line works, Fire Protection system and Public Health System lines, Pond preparatory, storm water drain leading to pond are in progress, cover slab casting for drain in progress
5	Other miscellaneous works	1 km out of 3 km road works completed, sectioning works for the landscaping are in progress, 12 No of 19 high mast lights are commissioned, security cabin, compressor room and Diesel storage tank works completed. Street light commissioning in progress.



Progress of civil works in Elevated Sections as on 31-5-15



Ashok Nagar station



Viaduct over Kathipara bridge

*"Good actions
give strength to
ourselves and
inspire good
actions in others.*

Plato.

Progress flyover work at Vadapalani

Item	Total Nos	Completed Nos
Pile	152	123
Pile caps	34	12
Piers	34	4



Alandur station

Progress from Nanganallur Road to Airport



Near Airport

Item	Total Nos	Completed Nos
Open foundation	134	130
Pier	134	120
Cut and Cover ramp excavation	1,01,540 cum	88,889 Cum
PCC	1948 cum	1,879cum
RCC works	21,222 cum	15,813 cum
Span erection	88	56
Portal beam	26	19





Progress of works in Under Ground Sections

Name of Work	Status
UAA 01 Washermenpet Metro, Mannadi, High Court, Central Metro and Egmore Metro and May Day Park	<ul style="list-style-type: none"> * Washermenpet Metro station : 230mt out of 314mt roof slab completed. 251mt out of 314 concourse slab completed. Ancillary building retaining wall work in progress. Base to concourse staircase 2nos completed. Architectural works in progress. 37 out of 164 OTE duct erection completed. * Mannadi station : Architectural works in progress. Ancillary building retaining wall work in progress. Entry/Exit 01&02 roof slab completed. * High Court station : 194 out of 231 D wall panels for Entry/Exit structures completed. Entry structure 01 &04 base slab works are in progress. Entry structure – 04, 05 excavation works in progress. Architectural works in progress * Central Metro station: 250mt out of 384mt roof slab completed. roof slab casted. 78m concourse slab completed. Concourse slab rebar work in progress. Ancillary building pile works are in progress. * Egmore Metro station: Entry structures-03, 04 excavation works in progress. Base to concourse staircase 1 no completed. Architectural works in progress.
UAA 02 Government Estate, LIC and Thousand Lights	<ul style="list-style-type: none"> *Government Estate station : 35 no of D wall and 23 plunge column for entry/exit A,B completed. 43 m of roof for entry B has been completed. 18 nos Columns casted for ancillary building. *LIC station : 72 no of D wall completed for entry/exit structure. 14 nos of plunge columns completed for entry/exit –C and D. Piling work for ancillary building in progress. *Thousand Lights station : 70 no of D wall for entry/exit A,B &C completed. 58m of roof slab has been completed. Decking work for road diversion completed. Ancillary building foundation works under progress.
UAA 03 AG-DMS, Teynampet, Nandanam and Saidapet Metro	<ul style="list-style-type: none"> *AG – DMS Station – 14 no’s of D wall panels of entrances and roof slab of 132m and entire 234m half width (westside) and 92m of concourse slab completed. *Teynampet Station – 70 no’s of D wall panels of entry / exit structure and all 230 m of roof slab completed. *Nandanam Station - 93 no’s of D wall panels of entry / exit and 232 m of roof slab west side and east side 76 m completed. 17 m concourse slab completed. *Saidapet Metro Station – Concourse and roof slab completed. 50 no of D wall panels of entrances completed. *Saidapet Ramp – 149 m base slab and 44 m roof slab completed .
UAA 04 Nehru Park, Kilpauk and Pachaiappa’s College.	<ul style="list-style-type: none"> *Nehru park station: 224m roof slab. 221m concourse slab and 227m base slab casted. 34 roof slab and entire 60 m base slab for entry D completed. 22 nos D wall panels completed in Entry C and 10 panels in entry B completed. 60 out of 188 OTE duct erected. * Kilpauk Station: Roof slab works in progress at entry A. Platform slab work in progress. Excavation work in progress for ancillary building. 125 out of 184 OTE duct erected. *Pachaiyappa’s College station : Platform slab work in progress in main station area. Block work in progress at concourse level. 65 out of 184 OTE duct have been erected.
UAA 05 Shenoy Nagar, Anna Nagar East, Anna Nagar Tower and Thirumangalam	<ul style="list-style-type: none"> * Shenoy Nagar station: 3000m Roof slab, 336m Concourse slab completed in main station box. 118m platform slab completed in main station box. Ancillary building work in progress. * Anna Nagar East station: 126 out of 147 D wall panels completed for entry/exit structures. 25m and 26m roof slab in entry/exit 01 and 02 completed respectively. 76m roof slab in entry/exit 04 completed. Ancillary building works in progress. * Anna Nagar Tower station: 168m platform slab completed in main station box. 55m base slab and 25m roof slab completed in Entry/Exit-03. 36m base slab completed in Entry/Exit-04. 121 nos OTE ducts erected in main station. * Thirumangalam station: 191m platform slab completed. 156 nos OTE ducts erected in main station. Architectural work in progress.



Work in progress at High Court station



Work in progress at Government Estate station



Work in progress at Kilpauk station



WORK IN PROGRESS AT Anna Nagar Tower STATION



Ancillary building work in progress at Thirumangalam station



Rolling Stock progress as on 31-5-2015

Transfer of Technology and Progress in production of trains in India

The first fifteen trains (train no10 to 24) manufactured from Sri City are delivered at CMRL Depot. The trains are under various stages of testing in CMRL depot.

- Train no 10 to 17 has completed all tests in depot and mainline.
- Trains no 18 to 24 are under various stage of static inspection and tests in depot and mainline.
- Trains no 25 has completed all routine test and final inspection is under progress.
- Train no 26 is undergoing routine static test at Alstom factory, Sricity.
- Train no 27 to 31 are under various stages of production as per schedule at Alstom factory, Sricity

Based on the inspection of CMRL train by CMRS, approval for use of train is obtained.



Train no 23



Train no 24



Progress of Elevated Station Works as on 31-5-2015

Little Mount, Meenambakkam and Airport stations all structural works completed, block work, plastering and roof structural works in progress. MEP and fire fighting works in progress.



Little Mount station



Guindy Metro station



St Thomas Mount Metro station



St Thomas Mount 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		13	6	Completed	
2	Stub column	76	67	56	48	205	190
3	Plinth beam at street level (mt)	800	670	420	380	3900	3730
4	Footings	63	59	39	37	217	202
5	Column above tie beam	94	70	53	45	228	207
6.	Concourse level slab	2237	1750	1990	1300	11840	9600
7	Platform Level	NA	NA	1000	900	completed	
8	Roof Slab	NA	NA	550	450	NA	NA
9	Column above platform	NA	NA	32	22	NA	NA

NA- Not Applicable



Tunnel Ventilation System

Underground stations for the Corridor I: Washermanpet Metro to Saidapet Metro and the Corridor II: Central Metro to Thirumangalam the entire tunnels are equipped with Tunnel Ventilation System (TVS).

The prime purpose of Tunnel Ventilation System is to:

- Provide an environment within the tunnel suitable for the operation of the trains
- Remove the heat generated by train borne air conditioning.
- Maintain environment in the tunnel to allow an effective operation of the train air conditioning units.

Tunnel Ventilation erection works has been started in Thirumangalam and Anna Nagar Tower stations. Presently track way exhaust system installation works and cable tray works are under progress at one side of the station. Fixing of cable tray works has been completed Anna Nagar Tower station:



Condolence

Managing Director, officers and staff of CMRL condole the sad demise of Thiru.J.Krishnamoorthy,JGM (Training) on 1-6-2015. All CMRL employees deeply mourn his untimely death May his soul Rest in Peace. CMRL conveys their condolence to his bereaved family members.

