



CHENNAI METRO RAIL NEWS LETTER

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Fourth Foundation Day

The fourth Foundation day of CMRL was celebrated on 5th December 2011 in a fitting manner at CMRL office. In a meeting organized in the evening of 05/12/2011, officers and staff were present in full strength. While Advisor (HR) welcomed the members present, CGM (PF) and CGM (O) delivered eloquent speeches which proved to be motivating. In his summing up address, MD dealt with the achievements recorded during the

DECEMBER 2011

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past years and exhorted the officers and members of staff to put forth all efforts with a team spirit to get over all challenges in the implementation of this project. He stressed upon completion of the project on time and within the budgeted cost.

Progress of Underground works –Highlights

1. Two Tunnel Boring Machines arrived at site will be launched at Washermenpet & Shenoy Nagar.
2. Factory Acceptance Test(FAT) for 2nd set of Tunnel Boring Machines completed and expected to arrive in Chennai by 2nd quarter of February for Washermenpet and Shenoy Nagar.
3. Precast tunnel segment casting yard setup is partially completed and segment moulds arrived. Trial casting of segments will start from 1st week of January 2012 at Vanagaram and Vayalanallur.
4. Package UA-03 received 1st set of Diaphragm wall rig at Saidapet and D wall construction will start from 1st week of January 2012.
5. Diaphragm wall construction is in progress at the following stations. Washermenpet, Egmore, May Day Park, Nehru Park, KMC and Shenoy Nagar.
6. Major traffic diversion in UA-05(Anna Nagar) has been carried out and D wall construction for 3 stations at Anna Nagar Tower, Anna Nagar East and Thirumangalam will start from 1st week of January 2012.

Moulds arrived at casting yard





The World is indeed a mixture of truth and make-believe. Discard the make-believe and take the truth.

Ramakrishna



Progress of Elevated stations work

Ashok Nagar station work progress details

Sl.No	Description	Total Quantity	Completed
1	Combined Footing	18 Nos	12
2	Isolated Footing	28 Nos	8
3	Tie beam	534 Rmt	16
4	Column upto Tie beam	96 Nos	22

Ashok Nagar station site



CMBT station site



CMBT station work progress details

Sl. No	Description	Total Quantity	completed
1	Pile	256 Nos	201
2	Pile cap	79 Nos	32
3	Plinth beam	920 Rmt	145
4	Column below tie beam	85 Nos	32
5	Column above tie beam(1 st lift)	85 Nos	16
6	Column above tie beam (2 nd lift)	85 Nos	16

Koyambedu station work progress details

Sl.no	Description	Total Quantity	completed
1	Pile	241 Nos	241
2	Pile cap	45 Nos	44
3	Plinth beam	630 Rmt	220
4	Column below tie beam	45 Nos	36
5	Column above tie beam(1 st lift)	45 Nos	16
6	Col above tie beam(2 nd lift)	45 Nos	16

Koyambedu station site



Alandur station site



Alandur station work progress details

Sl.No	Description	Total Quantity	Completed
1	Open foundation	117 Nos	101
2	Stub columns	147 Nos	132
3	Plinth beam	800 Rmt	706
4	Street level columns	60 Nos	29



Progress of Elevated stations work

Vadapalani station viaduct site



Vadapalani station viaduct work progress details

Sl.No	Description	Total Quantity	Completed
1	Piling viaduct	202 Nos	201
2	Piling flyover	132 Nos	43
3	Pilecap viaduct	45 Nos	32
4	Pier	45 Nos	22
5	Pier cap	45 Nos	7
6	Pedestal	368Nos	24



St Thomas Mount station work progress details

Sl.No	Description	Total Quantity	Completed
1	Viaduct pier	7 Nos	1
2	Column foundation	23 Nos	6
3	Portal pear foundation	4 Nos	2
4	Column upto Tie beam	23 Nos	2

St Thomas Mount station site



Column work at OTA station



Piling work at Little Mount station



Faith is the strength by which a shattered world shall emerge into the light.

Helen

Keller

Progress of Depot work

The progress of depot works as on 31.12.2011 is given below:

Sl. No.	Description	Unit	Total quantity	Quantity executed
1	Earth filling	Cum	3,16,000	1,46,657
2	Installation of Prefabricated Vertical Drain (PVD)	RMT	20,43,700	10,07,217
3	Surcharge filling	Cum	4,22,354	79,934
4	Admn building (work pile)600mm	No.	226	226
5	Infrastructure shed, stabling shed, rolling stock and workshop (work pile) 500 mm	No.	932	148
6	Viaduct and ramp area 1000mm	No.	54	6





Progress of civil works in Elevated Sections

Progress from Koyambedu to Ashok Nagar as on 31 December, 2011

Item	Total Nos	Completed Nos
Piles	1083	942
Pile caps	244	184
Piers	249	158
Spans Erected	150	78

Portal beam web reinforcement at CMBT



Before everything else, getting ready is the secret of success.

Henry Ford

Progress from Ashok Nagar to St.Thomas Mount as on 31 December, 2011

Item	Total Nos	Completed Nos
Piles	350	283
Pile caps	89	60
Open foundations	89	53
Piers	178	86
Spans Erected	136	44

Cast in situ slab at Alandur



Progress from Little Mount to O T A as on 31 December, 2011

Item	Total Nos	Completed Nos
Piles	280	153
Pile caps	69	28
Open foundations	199	89
Piers	263	90
Spans Erected	75	10

Soil samples collected for test near OTA



Progress from OTA to Chennai Airport as on 31 December, 2011

Soil investigation boreholes 7 completed out of 42.





Progress of works in Under Ground Sections

Name of Work	Status
UAA 01 Design and construction of under ground stations and associated tunnels at Washermenpet, Mannadi, High Court, Chennai Central and Egmore and May Day Park	<ul style="list-style-type: none"> * 41 Diaphragm wall panels and 358 mt guide wall completed at Washermenpet. * 50 mt and 177 mt guide wall completed at High court and Central station respectively * 29 Diaphragm wall panels completed and guide wall work completed at May Day Park. * 31 mt guide wall work completed at Mannadi. * 6 Diaphragm wall panel and 167 mt guide wall completed at Egmore
UAA 02 Design and construction of under ground stations and associated tunnels at Government Estate, LIC Building and Thousand Lights	<ul style="list-style-type: none"> * 32 mt guide wall completed in Government Estate. * Utility diversion is in progress in LIC and Thousand Light stations .
UAA 03 Design and construction of under ground stations and associated tunnels at New Gemini, Teynampet, Chamiers Road and Saidapet.	<ul style="list-style-type: none"> * Utility diversion work is in progress at Gemini, Teynampet and Chamiers Road stations * 40 mt guide wall completed and utility diversion work is in progress at Saidapet station. * 46 mt guide wall completed and utility diversion work is in progress at Saidapet cut and cover area. * Construction of TNHB water sump at Institute area and Construction work of PWD sump at Tod Hunter Nagar is in progress.
UAA 04 Design and construction of under ground stations and associated tunnels at Nehru Park, Kilpauk Medical College and Pachaiappa's College.	<ul style="list-style-type: none"> * Road diversion work near Sports Development Authority is in progress. * 48 panels have been completed for Station diaphragm wall construction and 286 mt guide wall completed in Nehru Park. * 7 panels have been completed for station diaphragm and 170 mt guide wall has been completed in KMC. * Casting yard ready for casting segments
UAA 05 Design and construction of under ground stations and associated tunnels at Shenoy Nagar, Anna Nagar East, Anna Nagar Tower and Thirumangalam	<ul style="list-style-type: none"> * 50 diaphragm wall panels completed in Shenoy Nagar station. * 444 mt guide wall completed in Shenoy Nagar station. * Utility identification and diversion work is in progress at Anna Nagar East, Anna Nagar Tower and Thirumangalam stations and ramp area.

Aerial view of Washermenpet station



Aerial view of High Court station



Aerial view of Anna Nagar Tower station



Aerial view of KMC station



Aerial view of Shenoy Nagar station



Experience
is simply
the name
we give
our
mistakes.

Oscar

Wild





Plantation of trees by CMRL in Educational Institutions



Villivakkam Union School

The present period being the North East Monsoon season, Chennai is likely to receive more rains. This period is conducive for taking up tree plantation works. CMRL, leaving no stone unturned in its efforts of implementing environmental measures, is looking at expediting the plantation activity aggressively. CMRL through the Contractors of various packages has so far planted more than 12,000 tree saplings under this project. Tree sapling plantations are taken up at more than 60 locations in Chennai which cover many Schools, Colleges, University premises, Institutions, Government Offices, Government Quarters, Residential areas, Jail premises etc.



Queen Marys College



Vijayanta Hr Sec School Avadi

CMRL would like to take this opportunity to thank the management of various educational institutions who have not only permitted to take up planting of tree saplings in their premises but also made their students actively participate in the planting works. CMRL is also happy that by planting trees in the educational institutions and involving students in planting works, it could educate the students and make them aware about the importance of trees in purifying the air, as natural resources, maintaining the ecological balance, preventing soil erosion, as medicines, habitats for faunal species, providing nutrients to the soil etc.



Chellammal College



Besant Nagar School

CMRL Compensatory planting works.

S No	Target	Planted in December	Planted so far
1	15000	1271	12639



Kendriya Vidyalaya Avadi