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Ministry of Urban Development
Government of India &
Chairman, CMRL

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Chairman's site visit

Chairman of Chennai Metro Rail Limited Dr.Sudhir Krishna, IAS inspected the Shenoy Nagar underground station work on 22-1-2012. Managing Director Thiru K.Rajaraman, IAS, Director Thiru S. K. Lohia, CGM (C) Thiru.V.Somasundaram and GM (UG) Thiru Vijay Kumar Singh accompanied the Chairman during the visit



Republic Day Celebration at CMRL

Thiru K. Rajaraman, IAS, Managing Director of Chennai Metro Rail Limited hoisted the National Flag at CMRL premises on 26-01-2012 to mark the Republic Day Celebration. All officers & staff of CMRL and officials from DMRC, GC participated in this celebration.

Progress of Underground works –Highlights

1. Second set of Tunnel Boring Machines arrived at site and will be launched at Washermenpet(2) & Shenoy Nagar(2). So far 4 TBMs have arrived at site.
2. Factory Acceptance Test(FAT) for first set of Tunnel Boring Machines completed and expected to arrive in Chennai by 2nd quarter of March for Saidapet station.
3. Factory Acceptance Test of segment mould for package UA02 and 03 completed and expected to arrive Chennai by third quarter of February.
4. Factory Acceptance Test of TBM for Nehru Park completed and expected to arrive in site by end of February.
5. Precast tunnel segment casting yard set up is fully completed and all segment moulds arrived. Trial casting of segments started from 1st week of January, 2012 at Vanagaram and Vayalannallur.
6. Package UA-02 received 1st set of Diaphragm wall rig at Government Estate and D wall construction will start from 1st week of February, 2012.
7. Diaphragm wall construction is in progress at the following stations. Washermenpet, High Court, Egmore, May Day Park, Nehru Park, KMC, Shenoy Nagar, Anna Nagar Tower, Thirumangalam and Saidapet ramp area .

TBM prior to shipment for UAA 03 from China





Lecture on Food is Medicine



Dr.Kumara Sidhartha working in Cape Cod , USA, delivered a lecture on “ FOOD IS MEDICINE ” at CMRL office on 20-1-2012. MD, CGM(C), CGM(PR) and officials of CMRL participated in this lecture.

Diversion of 1000 mm water pipe in record time

A Metro water C.I pipeline of 1000 mm diameter carrying metro water from Kilpauk water works to Triplicane was fouling below the Nehru Park underground station. This pipe line was laid 60 years back. On 22.01.2012 the pipeline was diverted away from the underground station by laying 130 m length of 1000 mm diameter new D.I pipe line and interconnections were given in a record time of 24 hours.

Before diversion



After diversion (Fixing of collar pipe)



The Way to gain a good reputation is to endeavour to be what You desire to appear.

Socrates

Safety First



Fire at construction site is more prevalent than any other site. If it is not controlled immediately at the beginning, it will result in serious property damage. Keeping in mind its disastrous consequence, all workers are trained in selection and use of fire extinguisher to combat fire. A fire fighting training programme was conducted at Chamiers Road station by Gammon– Mosmetrostroy.

Achievements

DGM (S) Thiru N. Prabakaran has successfully completed the 'Introduction to Arbitration' course, from the Chartered Institute of Arbitrators (India). He is eligible to become an Associate in the Chartered Institute of Arbitrators





Safety Month Celebration



Safety month was celebrated at the work site of Nehru Park underground station, on 3rd January - 2012. CGM(C) Thiru .V.Somasundaram, GM(UG) Thiru.V.K.Singh, Project Director, Thiru.R.G.Saini and officials of CMRL, GC, L&T SUCG JV and workers participated in this celebration. Besides this as a part of corporate social responsibility and Safety Month-2012 a Blood Donation Camp was organised and conducted on 20th January, 2012 at Nehru Park Station in the presence of CMRL and GC representatives.

Progress of Depot work

The progress of depot works as on 31.1.2012 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	10,64,785
3	Surcharge filling	Cum	4,22,354	1,27,000
4	Admn building (work pile)600mm	No.	226	226
5	Infrastructure shed, stabling shed, rolling stock and workshop (work pile) 500 mm	No.	932	451
6	Admn building pile cap	No.	67	21
7	Viaduct and ramp area 1000 mm	No	54	17

Depot administrative building work



Earth filling and pile work at Depot



Optimism
is the
faith that
leads to
Achievement
Nothing can
be done
without
hope and
confidence.

Helen Keller



Progress of civil works in Elevated Sections



Even a
mistake may
turn out
to be the one
thing
necessary
to a
worthwhile
achievement.

Henry Ford



Progress from Koyambedu to Ashok Nagar as on 31st January, 2012

Item	Total Nos	Completed Nos
Piles	1083	984
Pile caps	244	195
Piers	249	174
Spans Erected	150	81

Footing reinforcement work at Ashok Nagar station



Progress from Ashok Nagar to St.Thomas Mount as on 31st January, 2012

Item	Total Nos	Completed Nos
Piles	354	303
Pile caps	90	64
Open foundations	88	55
Piers	178	91
Spans Erected	131	46

Pile cap reinforcement work at CMBT station



Progress from Little Mount to O T A as on 31st January, 2012

Item	Total Nos	Completed Nos
Piles	306	156
Pile caps	74	28
Open foundations	197	94
Piers	271	100
Spans Erected	75	14

Staging work for concourse beam at Koyambadu station



Precast girders at Vanagaram casting yard



Progress from OTA to Chennai Airport as on 31st January, 2012

Soil investigation boreholes 14 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"> * 494 mt guide wall and 77 D wall panels completed at Washermenpet station. * 110mt guide wall completed at Chennai Central station. * 110 mt guide wall and 4 D wall panels completed at High Court station. * All guide walls and 39 D wall panels completed at May Day Park. * 112 mt guide wall completed at Mannadi station. * 397 mt guide wall and 13 D wall panels completed at Egmore station.
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"> * 115 mt guide wall completed in Government Estate station. * D Wall equipment mobilised at Government Estate * Utility diversion is in progress in Government Estate, 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 * 175 mt guide wall completed and utility diversion work is in progress at Saidapet station. * 200 mt guide wall and 5 D wall panels completed and utility diversion work is in progress at Saidapet ramp area. * Construction of TNHB water sump at Institute area completed at Saidapet ramp and Construction work of PWD sump 95% completed at Tod Hunter Nagar.
UAA 04 Design and construction of under ground stations and associated tunnels at Nehru Park, Kilpauk Medical College and Pachaiaappa's College.	<ul style="list-style-type: none"> * Road diversion work is in progress. * 335 mt guide wall and 67 D wall panels completed in Nehru Park. * 213 mt guide wall and 24 D wall panels completed in KMC. * Segments casting started at casting yard .
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"> * 560 mt guide wall and 90 D wall panels completed in Shenoy Nagar station. * In Anna Nagar East 35 mt ,Anna Nagar Tower 60 mt and Thirumangalam 30 mt guide wall completed. * Anna Nagar Tower 5 nos and Thirumangalam 1 no of D wall panels completed.

Cage lifting for D wall at High Court



Batching plant installation work at UAA 01 casting yard



D wall auguring in process at KMC station



Cage lifting for D wall at Shenoy Nagar station



Experience
is one
thing
you can't
get for
nothing.

Oscar
Wild





Progress of Rolling Stock Manufacturing

Car body - Roof structure assembly work in progress



Car body -Sidewall work in progress



Car body- Sidewall work in progress in factory



Fitting building work in progress





Progress of Elevated Station Works

CMBT

S. No	Description	Total nos	completed
1	Pile	257	221
2	Pile cap	74	36
3	Stub column	86	49
4	Plinth beam at street level (rmt)	834	250
5	Column up to concourse level	86	24
6	Column up to concourse level (2 st lift)	86	24
7	Platform floor slab (sqm)	125	

Ashok Nagar station work



CMBT station work



Vadapalani Viaduct

S. No	Description	Total nos	completed
1	Pile	202	202
2	Pile cap	45	38
3	Pier	45	29
4	Pier cap	45	13
5	I Girders Erection	176	10
6	Fly over pile	132	43

Koyambadu station work



Ashok Nagar

S. No	Description	Total nos	com-pleted
1	Pile	241	241
2	Pile cap	45	43
3	Stub column	45	41
4	Plinth beam at street level (rmt)	630	310
5	Column up to intermedi-ate	60	15

Koyambadu

S. No	Description	Total nos	com-pleted
1	Footing	46	30
2	stub column	87	53
3	Plinth beam at street level(rmt)	530	58



CMRL Pavilion in Municipalika Exhibition



Chennai Metro Rail Limited participated in the MUNICIPALIKA 2012—10th International Conference and Exhibition on Good Urban Governance for Making Cities Work. held at Chennai Trade Centre, Nandambakkam from 23rd to 25th January, 2012.

Plantation of trees by CMRL in Central Prison premises

CMRL relentlessly making efforts on compensatory afforestation by undertaking planting of tree saplings (planting 12 tree saplings for every tree felled in the project alignment) in various locations in and around Chennai has moved a step forward in this regard. Besides undertaking planting of tree saplings in various educational institutions viz., Schools, Colleges, University premises etc., planting was also taken up in sensitive areas such as Central Prison premises.



CMRL arranged planting of 2500 tree saplings in Puzhal Central Prison premises located in Red Hills. The premises is a vast open area devoid of trees. Tree planting was taken up in this area with an intention of developing greenery. Presently there are hardly any trees in this particular location. It may be pertinent to mention that generally Central Prisons/Jails are prohibited areas and are usually situated far away from general habitation. Despite facing difficulties in loading, unloading, transporting, pitting, distribution by head loads, planting, providing brushwood tree guards/supporting sticks wherever needed, the task of planting 2500 tree saplings in the Prison premises was successfully completed.



CMRL Compensatory planting works.

Target	Planted in January	Planted so far
15000	1508	14147

