



CHENNAI METRO RAIL NEWS LETTER

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KOYAMBEDU DEPOT WORKS ARE IN PROGRESS

A Metro Rail depot is being constructed at Koyambedu over an area of about 26 Hectares of land to accommodate stabling lines, washing plant, maintenance workshops, stores, multi-storeyed building to house Operation Control Centre and various offices for Depot staff and all services like power, lighting, air-conditioning and ventilation, fire protection, canteen etc.

The scope of work involves Design and Construction of various works located in the Depot, comprising of Earthwork filling & compaction with vertical drains, Viaduct ramps to provide access to the Depot from Koyambedu station, construction of buildings and structures.

The Depot will serve the purpose of berthing the trains during non-operational hours and for carrying out various maintenance cycles. The depot will feed the trains into the system as per operating requirements. A state-of-the-art Operation Control Centre will be located in the Depot, from where all train movements and operational activities will be closely monitored round the clock.

Depot land filling works

The area of the depot land has to be filled with 8 lakh Cu.m of earth. The entire area is being filled with selected soil and mechanical compaction at optimum moisture content to get a strong ground surface to withstand the loadings from various structures and track.

Depot ground improvement works

The soil profile after investigation shows a layer of soft clay below a layer of silty sand. It is estimated that this soft clay layer will settle after loading the soil by depot structures. In order to accelerate the settlement pre fabricated vertical drains are installed and loading the ground by preloading with soil to squeeze out the water from the soft clay layer. The picture shows installed band drains protruding above the ground.





The secret of joy in work is contained in one word — excellence. To know how to do something well is to enjoy it.
— Pearl S. Buck



ELEVATED VIADUCTS

Progress from Koyembedu to Ashok Nagar as on 4th June, 2011

Item	Total Nos	Completed Nos
Piles	1031	792
Pile caps	249	158
Piers	249	101
Spans Erected	133	45

Progress from Ashok Nagar to St.Thomas Mount as on 4th June, 2011

Item	Total Nos	Completed Nos
Piles	322	192
Pile caps	82	40
Open foundations	96	29
Piers	178	50
Spans Erected	135	8

Progress from Little Mount to Officers Training Academy as on 4th June, 2011

Item	Total Nos	Completed Nos
Piles	228	35
Pile caps	48	4
Open foundations	226	52
Piers	316	27
Spans Erected	75	Nil

Construction work at elevated viaducts



Construction work at Alandur Metro Station





Construction work at SIDCO Metro Station



CONSTRUCTION ACTIVITIES NEAR NEHRU PARK (For underground station)



LIFE
*Your daily life
Is your Temple
And your
religion.
When you enter
Into it
Take with you
Your all.*
- Khalil Gibran





Chennai Metro Rail Limited



TREE PLANTATION IN FULL SWING



The Chennai Metro Rail Limited plants 10 saplings for each tree felled in the project area. For this purpose, Chennai Metro Rail Limited has placed orders for fifteen thousand saplings with the Forest Department. During the year 2010-11 and 1600 saplings have been supplied to CMRL and the remaining 13,400 numbers of saplings will be supplied during 2011-12. All the saplings received so far has been planted in various Government lands, Government schools, college premises, Koyambedu flower market, Vanagaram casting yard and the proposed station site at Alandur. Chennai Metro Rail Limited has identified lands for planting saplings at Chennai Metro Water Supply & Sewerage Board (CMWSSB) at Sewerage Treatment Plant at Kodungaiyur and the Plantation will be taken up as soon as the saplings are supplied at appropriate season.



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