

Brief Note on News Item regarding Metro Rail's works on-going in the city

Sub: CMRL works – Monsoon preparedness initiatives implemented by the Chennai Metro Rail project
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1. CMRL has commissioned a stretch of 30km of Metro as part of Phase 1 and the works in remaining portions of the Chennai Metro Rail project are progressing in full swing for enabling the commissioning of the balance stretch for the benefit of the public in the other locations along the alignment of Phase 1 and Phase 1 Extension.
2. In the operational corridors, restoration of drainage channels has been completed to ensure uninterrupted flow. Also, construction openings have also been closed on top priority to tackle to North east monsoon and prevent water ingress to the stations and tunnels. The Nandanam Canal which was infringing the CMRL work site has been diverted by construction of a new canal of length 120m. The canal works have been completed and clear channel is available for free water flow.
3. The seven underground stations and associated tunnels between Thirumangalam and Nehru Park which have been commissioned in May 2017 are equipped with dewatering mechanisms. In the other locations for stations, where the work is still on-going, adequate standby provisions have been arranged in the form of pumps with varying capacities installed at the site to prevent stagnation in the work areas.
4. Tunnelling works of Phase 1 have been completed in 39 of the total 40 sections in the city and no water ingress into tunnels is possible. In the last section of tunneling, the construction openings have been protected with bunds to prevent water ingress. Also, the works of tunneling in Phase 1 Extension has been completed.
5. The alignment of the storm water drain at junction of Raja Muthiah Salai and EVR Periyar Salai is away from the Metro work site and has not been affected by CMRL works. Portion of the storm water drainage in the vicinity of Chennai Central Metro affected by works are being augmented with stand-by pumping arrangements since the restoration of drain is yet to be completed. Where the continuity of the drainage system has been interrupted by the presence of the work area, pumps for discharging the water accumulated have been kept ready. Any excess water ingress in the area shall be tackled by the operation of site dewatering systems to prevent flooding situation within the work site. In the case of works on-going at Tondiarpet High Road, CMRL contractor is proceeding with the construction of storm water drains and the works are on-going.

This is for your kind information.

CGM(UG-C)

Disaster Mitigation Protocol in Case of High Winds



1. To avoid danger of trains capsizing under high velocity winds, Anemometer has been installed at Airport, Alandur & Koyambedu Metro stations to indicate directly the velocity of wind.

2. Whenever the station controller notices that the wind velocity exceeds 70 kmph, he will immediately inform the speed of the wind to the traffic controller.

3. The traffic controller will immediately inform all train operators in section through a general call on the train radio to restrict their train speeds to 40 kmph, when the wind speed is more than 70 kmph but less than 90 kmph. The traffic controller shall instruct the train operators to stop their trains immediately at platforms when the wind speed is more than 90 kmph.

4. The traffic controller will inform the train operators of all trains in the elevated sections to bring their trains to a halt at the next station platform. He will authorize further train movement after the wind speed falls below 90 kmph.

5. When the anemometer fixed at the roof top of metro stations becomes out of order, during the cyclone/heavy wind period, the station controller

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on duty shall make use of the portable anemometer available at the stations to measure the speed of the wind.

Monsoon Measures taken in CMRL Depot

Dewatering systems

1. All the drain line and storm lines cleared, rain water connectivity to POND Area ensured.
2. All the Pond pump completely revamped and working normal.
3. Collection tank construction done at Pond area, to obtain 100% dewatering optimization.
4. Lightings arrangements at Pond pump area done, for 24*7 monitoring purpose.
5. The Pond to UG sump connectivity utilized to regular water requirements of Admin and depot premises.-To top up 6 lakh litres water tank.
6. Pond pump sequence of operation is determined based on water level of pond.
7. Portable de watering pumps kept in all interlocking stations and Admin depot premises.
 - Depot area 5 nos portable de watering pump available and working normal