

Metro rail: Experts examine proposals for underpass at Mind Space

SPECIAL CORRESPONDENT

HYDERABAD: Various proposals and designs about a flyover and underpass at Mind Space junction, proposed to be constructed by the Greater Hyderabad Municipal Corporation, overlapping the proposed Metro Rail station at Raidurg were examined by all stakeholders at a review meeting held here on Monday.

Special Chief Secretary, Municipal Administration & Urban Development, M.G. Gopal chaired the meeting attended by officials of the GHMC, Hyderabad Metro Rail Ltd, structural engineering experts and consultants.

Managing Director of HMRL N.V.S. Reddy asked all the stakeholders to examine each others' proposals so that they could arrive at a technically feasible solution on the proposed structures of GHMC and Metro Rail so that both the works could be executed in a time-bound manner.

He requested the GHMC to prepare the storm water drain plan for VUP (Vehicular Under Pass) since the area did not have regular storm water drain system.

He explained that the un-

derpass would get flooded and affect the Metro Rail pillar foundations during rains, if proper drain system was not developed simultaneously.

GHMC urged to prepare the storm water drain plan for Vehicular Under Pass

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M.S. Madhav, retired Professor of IIT Kanpur, who was invited specially for giving his technical opinion, suggested completion of blasting of the rock for the underpass before taking up Metro rail pillar foundations.

Pillar foundations

The pillar foundations of the Metro Rail were very sensitive to vibrations and any settlement would have cascading effect on rail track and operations of trains, he felt.

Further, he advised that the bearing capacity of soil should be properly apportioned and shared wherever integrated construction of the underpass and Metro Rail would be taken up. Special care was required to be given to the underpass box proportion, he noted.

Another special invitee, K.V.L. Subramaniam of IIT Hyderabad, said Metro Rail structure on single pillar was very sensitive to vibrations and it would require a lot of care during construction of the underpass to ensure that the structure was not affected due to any external effects. He too suggested that total blasting operation and rock cutting in the stretch should be completed before taking up any Metro Rail construction activity.

Earlier, Project Director of L&T-MRHL M.P Naidu made a detailed presentation on different steps involved in construction of Metro Rail station at Raidurg and the time required for each activity. The Special Chief Secretary instructed that a joint working group comprising of representatives of L&T-MRHL, GHMC and HMRL should meet regularly under the guidance of technical experts for completing the works on time.

Commissioner of GHMC B. Janardhan Reddy, Chief Engineer (Projects) of GHMC Imtiaz Ahmed, CE of HMRL Md. Ziauddin and other senior engineering and technical consultants participated.