

HMRL to build 100 rainwater pits

It is part of 'Jalam Jeevam' to recharge groundwater table

CITY BUREAU

Hyderabad

Doing its bit to improve groundwater table in the city, Hyderabad Metro Rail Limited (HMRL) is constructing 100 rainwater harvesting structures with injection borewells and 200 structures without injection borewells, in different areas.

This initiative is being taken up under the Municipal Administration and Urban Development Minister KT Rama Rao's 'Jalam Jeevam' programme to recharge the fast depleting water table in the city.

Besides, the move to construct the innovative rainwater harvesting structures will aid in addressing water stagnation issues in the Metro corridors, said HMRL Managing Director NVS Reddy.

Areas identified

After identifying the low-lying road areas and water stagnation points in the Metro corridors, HMRL is constructing about 100 rainwater harvesting structures with injection borewells mostly at the edge of the roads and about 200 structures without injection borewells.

These rainwater harvesting structures with injection borewells are being built all along the Metro corridors at Miyapur, JNTU, Kukatpally, Punjagutta, Erramanzil, Khairatabad, Ameerpet, Madhuranagar, Malakpet,



WATER CONSERVATION: Each rainwater harvesting pit with injection borewell costs Rs 1.5 lakh.

The rainwater harvesting structures will also aid in addressing water stagnation issues in the Metro corridors

Dilsukhnagar, Narayana guda, RTC crossroads and other areas.

Each rainwater harvesting structure with injection borewell costs nearly Rs 1.5 lakh, he said.

After drilling a six inch dia perforated injection pipe with PVC casing to a depth of about 150 feet, a rainwater harvesting structure is constructed around the injection borewell.

The rainwater harvesting structure which is normally

14-feet-long and 8-feet-wide is dug to a depth of about 8-feet and is filled with 75 mm and 40 mm broken granite stones in two layers. Coarse sand is then spread over the granite metal stones.

A strong RR masonry wall is constructed around this rectangular pit and this well like structure is covered with a thick RCC slab on top, at the road level to withstand heavy road vehicles, which pass over them.

Enough space is left between the filled up portion of the rainwater well and the perforated RCC slab above, which can hold a minimum of 5,000 litres (one tanker) of water. The rain water constantly gets sucked to deep underground layers through the injection borewell, HMRL officials said.