

Diversions Channel Kota

Kota city was facing heavy floods in its southern parts such as Dadabari, Balakund, Sanjay nagar, Vigyan nagar, Talwandi, Ramchandra pura, Mahavirnagar and Industrial Area (Partly) particularly when there were rains in South East of Kota city. Existing drains in the city could take flow of runoff of city area only and the flow coming from Pathari area used to flood these areas in particular with a water sheet of 3 to 5 ft water. There was no system available to divert the flow coming from Pathari area.

With an approach to control flood, project for diversion channel was sanctioned in year 2002 at a cost of Rs. 7.41 Crores. It was further revised in year 2005 to Rs. 10.41 Crores due to forest approvals.

As per project report It was envisaged that the entire flood flow of 540 cumec based on 10 years recurrence interval coming from Pathari region with a catchment area of about 70Sq. Km. at the southeast side is required to be diverted. For this diversion it was necessary to obstruct the flow coming through Banda Dharampura channel. Survey was conducted in this regard and natural intercepting channel, called Rai Ka Khal was identified to intercept the flow coming from Banda Dharampura channel up to the Chambal River.

Scope and salient features

Work comprised of following :

- Construction of small pick-up-weir on Banda Dharampura Nalla at southeast side near Lakhawa Tank
- Construction of Drainage Channel of 5.66 Km
- Reconstruction of minor Road-Bridge at Rawat Bhata road
- Construction of Diversion Road

Benefits achieved

This project has been completed in 2007. After the completion it has been observed that the areas like Dadabari, Balakund, Sanjaynagar, Vigyannagar, Talwandi, Ramchandrapura, Mahavirnagar and Industrial Area (Partly), which were generally be flooded in every monsoon, has never been flooded since 2007. Construction cost was Rs 14.52 crores.