

IV. MINOR IRRIGATION

Irrigation & Flood Control Department handles only minor irrigation in UT of Delhi. Irrigation from ground water is provided through shallow cavity and deep tube-wells, whereas surface irrigation by way of utilizing treated effluent water from existing sewage treatment plants located at Coronation, Okhla and Keshopur. Water from Western Yamuna Canal system under the control of Haryana Government, is also utilised for irrigation purposes in some areas of UT of Delhi. At present 4234 Hect. Of land is being irrigated by Western Yamuna Canal, 1538 Hect. By utilizing effluent water from existing sewage treatment plants and 240 Hect. from ground water sources i.e. from State Tube wells functioning under Irrigation & Flood. Due to fast urbanization taking place in the rural areas of Delhi, cultivable command area under irrigation is getting reduced day by day. As a result, some of the state tube wells installed by Irrigation & Flood Control Department have already become redundant and no new scheme has been formulated. Under this scheme an additional area of about 1457 Hect. is likely to come under irrigation in the 10th Five Year Plan when the scheme will come under full operation. A proposal to provide irrigation facilities to the farmers of N.G.Block through effluent irrigation which will irrigate additional command area of 800 Hect. during 10th Five Year Plan. In addition to this there are proposals for recharging of ground water by water harvesting in N.C.T. of Delhi are under consideration. The statement given below shows outlay for 10th FYP , Annual Plan 2002-03 ,Anticipated expenditure 2002-03 and approved outlay Annual Plan 2003-04.

(Rs. in Lakh)

S.No.	Name of the scheme/project	Approved outlay for 10 th FYP (2002-07)	Approved outlay for Annual Plan 2002-03	Anticipated expenditure 2002-03	Approved outlay for Annual plan 2003-04
1.	Ground Water Exploration	---	---	15.00	---
2.	Surface irrigation through effluent water.	390.00	4.00	---	7.00
3.	Other schemes water harvesting & recharging of Ground Water	606.00	46.00	34.00	33.00
4.	Charged Expenditure	4.00	---	11.00	10.00
	Total	1000.00	50.00	60.00	50.00

1. **Extension of irrigation facility by supplying effluent water in village of NG Blocks (Rs. 7.00 lakh in Annual Plan 2003-04)**
 - a. **Providing irrigation facility in the revenue estate of village Dhichaun Kalan and Jharoda Kalan in N.G. Block.**

The rural area around Najafgarh Town namely agricultural and there is no facility of flow of irrigation in the shape of canal. The sub soil water in this area is brackish and the water level has also gone down considerably. There is growing demand from the farmers to provide irrigation facilities through effluent water. Couple of meetings have also been held with Hon'ble Minister of Development wherein farmers has raised such a demand from time to time. At the behest of Hon'ble Minister it was decided to explore the possibility for providing irrigation facility to Dichauan Kalan, Jharoda Kalan, Chhawla, Tajpur and Goela Villages, etc.

Irrigation & Flood Control Department is formulating a scheme to extend irrigation facility beyond the existing catchment of Keshopur effluent irrigation scheme by taking effluent water across the Mungeshpur Drain. It is proposed to irrigate about 200 hect of land from the above proposal. A provision of Rs. 390.00 lakh has been kept in the 10th Plan and Rs. 4.00 lakh in Annual Plan 2002-2003 against which NIL expenditure is likely to be incurred. An outlay of Rs. 7 lakhs is approved for Annual Plan 2003-04.

WATER HARVESTING SCHEMES.

- 2 **Development of Water body in a defunct portion of Bawana Escape between RME and Burari Hiranki Road for recharging of ground water**

As pr the decision taken in a meeting held on 27.5.99 under the Chairmanship of Hon'ble Lt. Governor, Delhi, flood water are to be diverted and stored in defunct portion Bawana Escape and other existing drains/channels. For this revival of defunct portion of Bawana Escape is required. A scheme to revive 1.3 km. length of defunct portion in

average width of 20m and depth of 3.5m to 0.50m for storage of rain water proposed to be prepared from river Yamuna during flood season. As such a storage to store about million cubic meter will be developed. This scheme has been cleared by TAC & FCB and the A/A & E/S has also been accorded. A provision of Rs. 45.00 lakh has been kept in the annual Plan 2001-02 under the Head "Water conservation and Re-charge of ground and acquisition of water detention basin in Delhi. An expenditure of Rs. 28.92 lakh has already been incurred against this scheme. A provision of Rs. 6.00 lakh has been kept in the 10th Five Year Plan and Rs. 6.00 lakh in Annual Plan 2002-03 against this scheme against which an expenditure of Rs.15 lakh is likely to be incurred. This scheme is likely to be completed during 2003-04.

3. Water harvesting & recharging of ground water in Delhi (Rs. 33.00 lakh in Annual Plan 2003-04.)

Due to uncontrolled exploitation of ground water resources and inadequate ground water re-charge measures, the ground water in Delhi has been continuously depleting over the last several years. The groundwater situation in Mehrauli and Najafgarh Blocks has already become extremely critical. In order to reverse this trend, irrigation & Flood Control Department of Govt. of NCT of Delhi has taken up number of water harvesting schemes such as deepening of drains bed village pond, construction of check dams, etc. A provision of Rs. 500.00 lakh has been kept in 10th Five Year Plan and Rs. 40.00 lakh in A.P 2002-03 against which an expenditure of Rs.34 lakh is likely to be incurred on the works executed during the current financial year and a provision of Rs.33 lakh is being approved for executing the new works mentioned below:-

- a. Construction of recharged trenches in the bed of Mungeshpur drain from RD 22850 m to RD 29500 m.
- b. Development of water body in defunct portion of Bawana Escape between Burari Road and Drain No.6
- c. Construction of regulator cum bridge across Mungeshpur drain near RD 330 m.
- d. On channel storage and recharge of ground water on NG drain.

4. **Charged expenditure (Rs. 10.00 lakh for 2003-04.)**

A budgetary head for meeting liabilities for the completed schemes has been permitted in order to ensure that a scheme/project completed in the previous year are not reflected in the plan documents to cater the spill over liabilities. The anticipated expenditure during 2002-03 is Rs.11.00. A provision of Rs.10 lakh is being kept in the Annual Plan 2003-04.