

MINOR IRRIGATION

PUBLIC WORKS

Puducherry region mostly depends on tank irrigation and underground water resource, while Karaikal, Mahe and Yanam regions depend on river water for the purpose of irrigation. In Puducherry region, there are about 84 tanks and the total Ayacut covered by the 84 tanks is 6456 Hectares. The Karaikal region mainly depends on the surface water of Cauvery river distributaries and the total Ayacut covered is 10,974 Hectares. The Yanam and Mahe regions are of small enclaves in Andhra Pradesh and Kerala States respectively, the irrigation system is in micro level only and the Ayacut coverage in Yanam is 1350 Hectares and in Mahe region is 774 Hectares.

The important activities under this Sector are as under:

- Construction of Bed Dams/Check Dams
- Desilting and deepening of tanks, Ponds and kulams.
- Removal of shoals in the river banks.
- Improvements to the inspection paths in the banks of rivers.
- Providing common banks of channels,
- Formation of mini lakes
- Acquisition of lands for formation of mini lakes at various places.

Government of Puducherry has taken strong efforts to construct Bed Dams / Anicut in view of storing surplus water to augment ground water recharge. 9 Bed Dams / Anicut have been completed upto 2006-07. During the Annual Plan period 2007-08 and 2008-09, 6 Nos. of Bed Dams were completed. During the Annual Plan 2009-10, 4 Nos. of Bed Dams are under progress. During the 2010-11, 2 Bed Dams are proposed. The proposal of construction of Bed Dams are taken up for the purpose of storing and saving the surface water effectively for the recharge purpose to increase the ground water potential, resulting the yield of more quantity of water in nearby bore wells.

For cultivating crops, tank water is sufficient just for one season. For the other two crop seasons, farmers are totally dependent on ground water. Further the drinking water of Puducherry is totally dependent on the ground water only. As

such it has become absolutely necessary to go in for effective recharging of the ground water table.

ACHIEVEMENTS DURING 2008-09:

- Providing revetment to the Bahour tank inside bund from surplus weir to Aranganur sluice in Bahour
- Reconstruction of Ramanathapuram culvert across Suthukeny channel in Villianur
- Construction of bed dam with foot bridge⁴ across the river Malatar at Vadukuppam near P.S.Nallur village in Nettapakkam commune, Puducherry
- Construction of check dam with foot bridge⁴ across the river Pambaiyar and Sorapet Village, Puducherry
- Construction of check dam across the river Pambaiyar and Sagadapet Village in Maddadipet commune Panchayath, Puducherry
- Desilting and reactivating the thangal at Karayambathur village in Bahour, Puducherry
- Construction of tailend bed dam across Mullaiyar river below Nagore Road bridge.
- Construction of tail end bed dam across Pravadayananar river below Nagore road bridge in Karaikal
- Construction of tail end bed dam across Vanjiar river at melavelly in Karaikal
- Augmentation of storage capacity of Nandalar tailend regulator – Phase-I in Karaikal region (Formation of a Tank at Kazhugumedu).

LIKELY ACHIEVEMENTS DURING 2009-10:

- 57 Nos. of works under progress.
- 20 Nos. of new works are to be taken up.

LIST OF ONGOING MAJOR WORKS DURING 2009-10

- Construction of check dam cum foot bridge across the river Pambaiyar at Sorapet Village in Mannadipet Commune.

- Construction of check dam across South Pambaiyar at Sagaddpet village in Mannadipet Commune.
- Construction of bed dam cum bridge across Pambaiyar at the confluence point at Sellipet Village, Puducherry.
- Construction of bed dam near Kumandan Medu at Arachikuppam village.
- Cut opening the Mullodai Mouth at Moorthikuppam.
- Formation of Mini-lake at Andoor in Ponbethy village in Nedungadu commune – Formation of banks, inlet and outlet for the Mini-lake.
- Augmentation of storage capacity of Nandalar tail end regulator in Karaikal.

PROPOSED TARGETS FOR 2010-11:

- The spill over works already under progress will be continued and completed besides taking up of 50 new works.

AGRICULTURE

Ground water recharge through percolation ponds and rainwater recharging and promotion of micro irrigation are some of the measures aimed at conserving / augmenting the ground water resources.

ACHIEVEMENTS DURING 2008-09:

- 12 Nos. of recharge tube wells, 11 nos. of roof top rain water harvesting structures, 56 nos. of sprinkler / drip irrigation systems and 36418 meters of underground pipelines have been installed.

LIKELY ACHIEVEMENTS DURING 2009-10:

- 20 Nos. of recharge tube wells, 46 nos. of sprinklers / drip irrigation systems, 20 nos. of medium / deep tube wells will be installed and 23000 meters of underground pipelines have been proposed to be installed.

PROPOSED TARGETS FOR 2010-11:

- The World Bank Loan Assisted Project “ Hydrology Project Phase – II “ is taken up for implementation for better water resources planning and water management of Puducherry in Information System, Decision Support System for Water Resources Planning and for Water Management Works and research studies to improve the recharge potential in the north western part of Puducherry will be undertaken.

- A full fledged climatic station will be established.

OUTLAY AT A GLANCE

Sector : MINOR IRRIGATION

No. of Schemes : 6

Department : 1. AGRICULTURE
2. PUBLIC WORKS

(Rs. in lakh)

Eleventh Five Year Plan 2007-12 Outlay	:	17474.94
Annual Plan 2007-08 Actual Expenditure	:	1304.90
Annual Plan 2008-09 Actual Expenditure	:	1155.18
Annual Plan 2009-10 Approved Outlay	:	3745.17
Annual Plan 2009-10 Revised Outlay	:	6467.78
Annual Plan 2010-11 Proposed Outlay	:	4738.78

(Rs. in lakh)

Sl. No.	Name of the Scheme	Eleventh Five Year Plan 2007-12	Annual Plan 2007-08	Annual Plan 2008-09	Annual Plan 2009-10		Annual Plan 2010-11
		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

AGRICULTURE

1.	Integrated Scheme for Development, Harvesting, Recharging and Conservation of Ground Water	1986.00	203.84	189.92	202.70	222.70	219.53
2.	Hydrology Project – II with World Bank Loan Assistance (EAP)	1034.36	--	--	--	50.00	500.00
Sub-Total		3020.36	203.84	189.92	202.70	272.70	719.53

PUBLIC WORKS

3	Augmentation of Surface Water and Strengthening of Infrastructure	7500.00	586.06	470.10	586.16	759.49	969.25
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(Rs. in lakh)

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		Outlay	Actual Expdr.	Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
4	Augmentation of Ground water recharge scheme	6850.00	465.00	495.16	448.52	425.00	550.00
5	Creation of infrastructure facilities in Tsunami affected areas	104.58	50.00	--	7.79	7.90	--
6	Negotiated Loan	--	--	--	2500.00	5002.69	2500.00
	Sub - Total	14454.58	1101.06	965.26	3542.47	6195.08	4019.25
	Total	17474.94	1304.90	1155.18	3745.17	6467.78	4738.78