

MINOR IRRIGATION

Prior to 1987, irrigation in Pondicherry was carried out with 84 numbers of tanks in conjunction with groundwater. In due course of time, due to neglect of the surface water bodies and total dependence on groundwater, the water levels have declined drastically to a depth of 15-35 mts. throughout Pondicherry over a period of 20 years which has necessitated to depend on groundwater and also due to failure of monsoon in the yester years, the sea water intrusion problem along the coastal tract has been aggravated and the quality of groundwater in certain pockets in the North-Western parts of Pondicherry region has deteriorated due to upward movements of the chemical constituents present in the deep seated aquifers. To combat the situation, main thrust is given for rainwater harvesting programs. Additionally, emphasis has been given for the conservation of water in the irrigation sector by extension of subsidy assistance to farmers for conveying irrigation water through underground pipelines and for the installation of micro irrigation devices like sprinkler and drip irrigation systems. Apart from this, to regulate the exploitation of groundwater in the Union Territory of Pondicherry, the Pondicherry Groundwater (Control & Regulation) Act, 2002 was enacted and the Pondicherry Groundwater Authority has been established. Owing to the implementation of the above schemes, considerable improvement in the potential as well as in the quality of groundwater has been noticed. In order to increase the area under rainwater harvesting rapidly, it has been contemplated to extend subsidy assistance to individual house owners for providing rainwater harvesting structures during 2005-06. Subsequently, it is proposed to avail world Bank Assistance under Hydrology Project-II at an estimated cost of Rs.16 crores for the creation of infrastructure facilities and state of the art technology for the collection and consolidation of water related information under a single system which will be hosted in a web site and help for better water resources planning in future. Under the project, observatory stations for collection of surface and groundwater data, full climatic stations and a sophisticated water quality testing laboratory will be established.

Among the programmes implemented by Public Works Department, Tank Rehabilitation Programme with the assistance of European Union is the major programme at a cost of Rs.34.73 crores executed under Externally Aided Project. Under this Tank Rehabilitation project, it is proposed to rehabilitate the 84 tanks and to standardise the existing Ayacut of 6456 Ha with assured irrigation crop protection and to reduce reliance on underground water resources and to halt saline water intrusion into the sweet water aquifers. For executing these works, the Water Users Association has been formed by involving the farmers. The rehabilitation process has been taken up in a phased manner like Pilot works, I batch tank, II batch tank, III batch tank and IV batch tank for the period 1998-2006. The fourth and last batch of tanks have been taken up for rehabilitation. Works in 25 tanks have been taken up and the remaining 17 tanks will taken up in due course to complete the project.

Apart from this, important major works like construction of Bed Dam in Chunnambar near Nonankuppam village (Rs.3.75 crores), Guduvaiyar at Uruvaiyar road bridge, Malatar river at Nettapakkam, Pambaiyar at Sorapet village. Construction of diversion anicut across river Pennaiyar (Sitheri) (Rs.5.70 crores), desilting of Ousoudu tank, Bahour tank, inlet and outlets channels to village ponds in Pondicherry and reconstruction of Suthukeny anicut near Sankaraparani river.

OUTLAY AT A GLANCE

Sector : MINOR IRRIGATION

No. of Schemes : 7

Department : 1. AGRICULTURE
2. PUBLIC WORKS

(Rs. in lakh)

Tenth Plan 2002-07 Approved Outlay	:	5190.00
Annual Plan 2003-04 Actual Expenditure	:	926.78
Annual Plan 2004-05 Approved Outlay	:	2029.00
Annual Plan 2004-05 Revised Outlay	:	2380.00
Annual Plan 2005-06 Proposed Outlay	:	2340.00

(Rs. in lakh)

Sl. No.	Name of the Scheme	2003-04	2004-05		2005-06
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
AGRICULTURE					
1.	Integrated scheme for Development, Harvesting Recharging and conservation of Ground water	160.20	200.00	273.62	236.33
2.	Hydrology Project II	--	100.00	1.38	3.67
PUBLIC WORKS					
3.	Rehabilitation of Irrigation Tanks	504.67	395.29	790.65	621.99
4.	Diversion of Works and Diversion of channels	100.25	115.00	144.10	232.00
5.	Ayacut Development	47.86	70.00	170.00	123.00
6.	Survey and Investigation of Surface Water	1.26	5.00	1.50	0.01
7.	Ground Water Recharge Scheme and Machinery and Equipment.	112.54	1143.71	998.75	1123.00
	Sub-total	766.58	1829.00	2105.00	2100.00
Total		926.78	2029.00	2380.00	2340.00

Scheme No. 1

Sector : MINOR IRRIGATION

Implementing Department : AGRICULTURE

1. **Name of the Scheme** : Integrated scheme for development, harvesting, recharging and conservation of Ground Water.

2. **Objective of the Scheme** :

In order to meet the relentless increase in the demand for water for various purposes and to achieve the goal of optimal use and sustainability and to derive the maximum benefits through development, storage, conservation, distribution and reuse, it has become necessary to make water resources development more imperative by implementing a comprehensive integrated scheme with the following objectives :-

- i. Rain water harvesting and recharging ground water.
- ii. Water Conservation and Management
- iii. Construction of rain harvesting structures like mini lakes and ponds in Karaikal region
- iv. Assessment of ground water potential and monitoring of ground water quality
- v. Stabilisation of irrigation command.

To regulate the exploitation of groundwater in the Union Territory of Pondicherry, the "Pondicherry Ground Water Authority" will be created during 2004 under the Pondicherry Ground Water (Control and Regulation) Act 2002.

3.(a) Actual physical Achievement 2003-04:

i. Desilting/reconstruction of percolation ponds/ channels/water bodies in Govt. prompoko for rainwater harvesting and recharging ground water in nos.	10
ii. Construction of recharge tube wells for recharging ground water in nos.	12
iv. Construction of roof top rain water harvesting structure in the Govt. buildings in nos.	7
v. Renovation of dug wells/dug-cum-bore wells in nos.	12
vi. Construction of roof top/rainwater harvesting structures in private buildings through PASIC	5
vii. Laying of underground pipelines at subsidized cost in mtrs.	36,087
viii. Installation of sprinkler/drip irrigation sets at subsidized cost in nos.	23
ix. Construction of New/Replacement community tube wells in nos.	13

(b) Anticipated Physical Achievement 2004-05:

i.	Construction of Farm Ponds in Karaikal in nos.	7
ii.	Desilting/reconstruction of percolation ponds/channels/ water bodies in Govt. prompoko for rainwater harvesting and recharging groundwater in nos.	10
iii.	Construction of recharge tube wells for recharging ground water in nos.	12
iv.	Construction of roof top rain water harvesting structure in the Govt. buildings in nos	5
v.	Renovation of dug wells/dug-cum-bore wells in nos.	30
vi.	Construction of roof top/rainwater harvesting structures in private buildings through PASIC	10
vii.	Laying of underground pipelines at subsidized cost in mtrs.	24,000
viii.	Installation of sprinkler/drip irrigation sets at subsidized cost in nos.	24
ix.	Construction of New / Replacement of Community tube wells.	15
x.	Subsidy assistance to water users association in Nos.	1949

(c) Programme envisaged for Annual Plan 2005-06:

i.	Construction of Farm Ponds in Karaikal in nos.	10
ii.	Desilting/reconstruction of percolation ponds/channels/ water bodies in Govt. prompoko for rainwater harvesting and recharging groundwater in nos.	20
iii.	Construction of recharge tube wells for recharging ground water in nos.	24
iv.	Construction of roof top rain water harvesting structure in the Govt. buildings in nos	10
v.	Renovation of dug wells/dug-cum-bore wells in nos.	50
vi.	Construction of roof top/rainwater harvesting structures in private buildings through PASIC	12
vii.	Laying of underground pipelines at subsidized cost in mtrs.	30,000
viii.	Installation of sprinkler/drip irrigation sets at subsidized cost in nos.	28
ix.	Construction of New / Replacement of Community tube wells.	-
x.	Subsidy assistance to water users association in Nos.	2000
xi.	Payment of 100% subsidy assistance for construction of roof top rain water harvesting structures in residential buildings in Nos.	100

4. Remarks : Continuing scheme

Scheme No. 2

Sector : MINOR IRRIGATION

Implementing Department : AGRICULTURE

1. **Name of the Scheme** : Hydrology Project II

2. **Objective of the Scheme** :

It is proposed to avail world Bank Assistance under Hydrology Project-II at an estimated cost of Rs.16 crores for the creation of infrastructure facilities and state of the art technology for the collection and consolidation of water related information under a single system which will be hosted in a web site and help for better water resources planning in future. Under the project, observatory stations for collection of surface and groundwater data, full climatic stations and a sophisticated water quality testing laboratory will be established.

3.(a) **Actual physical Achievement 2003-04:**

(b) **Anticipated Physical Achievement 2004-05:**

Availing of world Bank Assistance.

(c) **Programme envisaged for Annual Plan 2005-06:**

Availing of world Bank Assistance.

4. **Remarks** : Continuing scheme

Scheme No. 3

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

1. **Name of the Scheme** : Rehabilitation of Irrigation Tanks

2. **Objective of the Scheme** :

Under this scheme it is proposed to rehabilitate 84 economically viable tanks in Pondicherry region by desilting and standardising the existing tank bunds. It is proposed to improve 84 tanks which has command area of 6456 Ha.with a view to increase the ground water potential and wherever possible, reducing process of salination with a consequent augmentation in crop yield. The existing river and diversion structures, regulators and supply channels have become obsolete and inadequate to meet the present day requirements.Hence,the need to rehabilitate the tanks.

3.(a) **Actual physical Achievement 2003-04 :**

- i. Desilting the Maltar river from Nettapakkam tank off take to PS Nallur Authuvoikal infall pt.
- ii. Desilting the Oussudu tank & forming the flood bank in Sankaraparani river from pilliyarkuppam anicut to sellipet causeway Pondicherry.
- iii. Desilting of Bahour tank and formation of flood bank on the LB of Penniyar.

- iv. Desilting of Oussudu tank & filling the low lying area near Muthirapalayam pumping station forming flood bank in Sankaraparani river & forming in land in oussudu tank.
- v. Desilting of Keelparikalpet tank in Bahour commune.
- vi. Const. Of retaining wall to prevent bank erosion on the outer toe of Vakaranneri at Embalam.
- vii. Formation of Mini Lake at Nallathur in Kurumbagaram Revenue Village in Nedungadu Commune.

(b) Anticipated Physical Achievement 2004-05 :

- i. Improvements to Oussudu tank. S/w: Impts. to all sluices of Oussudu tank (except Perambai sluice) Pondicherry. (Estimate Rs.5,01,290)
- ii. Desilting the Oussudu tank and forming the flood bank in Sankaraparani river from Pillaiyarkuppam anicut to Sellipet causeway.
- iii. Desilting of Oussudu tank and filling the low lying area near Muthirapalayam pumping station forming flood bank in Sankaraparani river and forming Island in Oussudu tank
- iv. Strengthening Sathamangalam tank bund by desilting the Arangani of Sathamangalam tank in Villianur commune, Pondy.
- v. Desilting of Bahour tank and formation of flood bank on the LB of Pennaiyar.
- vi. Providing & laying sand gravel mix to the inspection track to the western bund from Vettumadagu to Bahour tank entry point, Pondicherry.
- vii. Const. of an outer toe wall for the eastern bund of Karayambuthur Odaperi.
- viii. Providing and laying sand gravel mix to the inspection track of Bahour Sitheri.
- ix. Desilting the bed of Kaikalapet tank and the mariamman Koil kulam in Kaikalapet village.
- x. Desilting of Sivaranthagam tank.
- xi. Providing and laying sand gravel mix on the inspection track of Seliamedu tank in Bahour Commune.
- xii. Providing gravel over the tank bund & cart track of Kunichampet Pudueri in Mannadipet Commune
- xiii. Desilting of spring pond at Uruvaiyar Village, Abishegapakkam village Nettapakkam village, Mannadipet Commune and Poraiyur pet.
- xiv. Filling the low lying area of Pichai Veeranpet With the desilted of oussudu tank.
- xv. Desilting of spring pond at Uruvaiyar Village, Abishegapakkam village, Nettapakkam village, Mannadipet Commune and Poraiyur pet.
- xvi. Filling the low lying area of Pichai Veeranpet With the desilted of oussudu tank.
- xvii. Formation of mini lake at Nallathur. S/W :- Protecting the RB of Nandalar near Mini Lake site below Vizhakatteri.
- xviii. Land Acquisition for Nallambal Mini Lake,
- xix. Desilting of tanks at various places

(c) Programme envisaged for Annual Plan 2005-06:

- i. Desilting of various tanks in pondicherry. S/W: Desilting of Olandai tank and strengthening the bunds of Olandai tank in Pondicherry.
- ii. Providing and laying sand gravel mix on the inspection track of Seliamedu tank in Bahour Commune.
- iii. Desilting the Sivaranthagam tank
- iv. Constn. of an outer toe wall for the eastern bund of Karayambuthur Odaperi.
- v. Desilting the bed of Kaikalapet tank and the mariamman Koil kulam in Kaikalapet village.
- vi. Desilting of Vadhanur tank (II Phase)
- vii. Providing gravel over the tank bund & cart track of Kunichampet Pudueri in Mannadipet commune
- viii. Protecting the tank bund of Thiruvandar koil by Providing retaining wall outer toe of bund.
- ix. Construction of RCC culvert across Kudiyirupupalayam thangal in Bahour commune.
- x. Mettaling of Kariamanickam and Moolapakkam tank.
- xi. Desilting of Oussudu tank and filling the earth to the Low lying places.
- xii. Protecting the Nallur tank bund at Vulnerable points to prevent bank erosion.
- xiii. Impts. to Murthy Nagar pet kulam in Villianur
- xiv. Desilting the Pond and construction of bathing ghat at Madagadipet Colony near Sandai.
- xv. Formation of Mini lake at Nallambal in Nedungadu commune and Andoor.

4. Remarks : Continuing scheme

Scheme No. 4

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

1. Name of the Scheme : Diversion of Works and Diversion of Channels.

2. Objective of the Scheme :

The Diversion channels from rivers need to be re-sectioned and re-graded in order to ensure optimum utilisation of available surface water. The work involves strengthening the existing channels feeding the irrigation tanks and also to reconstruct the outdated head works and cross regulators. The Cross regulators are to be maintained. The feeder channels are to be regraded. Weak bunds are to be strengthened.

3.(a) Actual physical Achievement 2003-04 :

- i. Const.of super passage over Kankaneri to divert the sullage water collected at fore shkal of Archivak tankore area to Pudu Nagar drain
- ii. Const.of culvert across surplus course of Suthukeny perieri below pudueri near Durgakoil, Oulgaret pallavoikal near Deva Nagar in Pondy.culverts across Anitha

Nagar drain at Mudaliyarpeth, pudu nagar drain on southern side of Kanaganeri in Pdy, Melparikalpet FC near Pidari koil in Kuruvinatham. Oulgaret Mettuvoikal near MGR Nagarat Moolakulam

- iii. Const. of retaining wall on Left bank of PS Nallur tank FC near Nettapakkam tank.
- iv. Construction of three bed dam and shuttering arrangements and common retaining wall for Pathakudy and Valathamangalam channel
- v. Re-construction of culvert at Ambagarathur voikal in Thirunallar
- vi. Construction of foot bridge across Vanjiar to connect Cholankuruchi village at Ambagarathur.

(b) Anticipated Physical Achievement 2004-05 :

- i. Reconstrn. of culvert in Arachikuppam tank feeding channel Porakoil at Kuruvinatham, Pondicherry
- ii. Construction of culvert across surplus course of Suthukeny Perieri below Putheri near Durga Koil at Suthukeny
- iii. Constn. Of 2 culverts across Anitha Nagar at Mudaliarpeth in Pondicherry
- iv. Constn. Of culvert across Oulgaret Pallavoikal near Deva Nagar Pondicherry.
- v. Providing metalling and black topping to the inspection track on the left bank of Pallavoikal from NH45A road near friends nagar in Pondicherry
- vi. Constn. of a slab culvert across Authuvoikal at Authuvoikalpet in Villianur Commune, Pondicherry
- vii. Constn. of pipe culvert across the Odianpet channel at the two road crossing in Thattanchavady village in Villianur commune.
- viii. Constn. of a culvert across Thirukanji feeding channel at I cross of Pudunagar in uruvaiyar, Pondicherry
- ix. Construction of retaining wall on the LB of drainage channel at Eachankadu (near Pannithittu) in Kirumampakkam, Pondicherry.
- x. Constn. of a culvert across Sitheri main feeding channel near Poranthotti surplus course at Kuruvinatham in Bahour commune, Pondicherry.
- xi. Desilting the drainage channel from Pillaiyarkuppam to Vambapet (near Pannithittu) at Bahour commune.
- xii. head regulator.
- xiii. Construction of retaining wall on the Right bank of Thiruvandar Koil tanks feeding channel at Thirubuvanai pet.
- xiv. Construction of protection wall on the R/B of Kirumamapakkam channel (Peria Voikal) of Seliamedu sluice in Bahour tanks from culvert to D/S of Seliamedupet in Bahour Commune.
- xv. Re-construction of Veeran Koil Head Sluice in the LB of North Thalaganiyar
- xvi. Re-construction of Sinnakanni Head Sluice in the LB of North Thalaganiyar
- xvii. Construction of foot bridge across Vanjiar to connect Cholankurichy village at Ambagarathure
- xviii. Re-construction of culvert – cum - Head Sluice Korakattu Head Sluice) at Karpakkam channel in Mathalankudy village

(c) Programme envisaged for Annual Plan 2005-06 :

- i. Constn. of a culvert across Thirukanji feeding channel at I cross of Pudunagar in uruvaiyar, Pondicherry. (Est. Rs.2,21,300)
- ii. Protecting the left bank of Malatar and right bank of Authuvoikal below the 12 vent regulator near Burial ground in T.N. Palayam, Pondicherry.(Est.Rs.4,95,500)
- iii. Providing WBM to the common bund in between Korkadu feeding channel and Sivaranthagam feeding channel from Kizhur head regulator. (Est.Rs.3,98,000)

- iv. Constn. of 3 nos. of R.C.C culverts at various places across Pallavoikal in Siva Vishnu Nagar Mudaliarpuram commune, Pondicherry. (Est.Rs.6,62,000)
- v. Constn. of RCC culvert across Vellavari drainage channel on the upstream at Vambapet village in Bahour commune. (Est. Rs.1,99,000)
- vi. Constn. of RCC culvert across the Vellavari drainage channel at down stream of Vambapet at Bahour commune. (Est.Rs.1,99,000)
- vii. Constn. of a culvert across Bangaru channel near Chinna Karayambuthur bus stop in Bahour commune. (Est.Rs.13,54,000)
- viii. Constn. of a culvert across Kuruvintham surplus course at Soriankuppam village near Chinna Pennaiyar in Bahour Commune. (Est.Rs.7,93,000)
- ix. Desilting & Construction of masonry channel at Vinayagarpet Colony. (Estimate Rs.20,00,000)
- x. Construction of culvert masonry drainage channel at Sellipet infalling its Sankaraparani river.
- xi. Re-construction of Mugandhanoor syphon across Kuthiraikutti channel at Adaikalapuram
- xii. Re-construction of Nallathur Vadigal syphon across Vadakkuveli drainage channel at Pandaravadai village.
- xiii. Construction of small bridge across Ammai voikal at the western side of Burma Street at Dharmapuram in Karaikal.
- xiv. Reconstruction of damaged regulator cum culvert at tail end of Sellur channel.
- xv. Re-construction of culvert – cum - Head Sluice Korakattu Head Sluice) at Karpakkam channel in Mathalankudy village.
- xvi. Construction of culvert at the confluence point of Athiyadi Channel at Rayampalayam, Kottucherry.
- xvii. Re-construction of foot bridge across Nattar at Puthagram Athangarai Street, Nedungadu.
- xviii. Construction of culvert across Kuthiraikutti channel near Pillaiyar Koil Street, Parithikudy.

4. Remarks : Continuing scheme

Scheme No. 5

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

1. Name of the Scheme : Ayacut Development

2. Objective of the Scheme :

The work comprises of realignment re-sectioning and regrading of supply channels and lining of canals including irrigation outlet. Irrigation outlets and irrigation structures will be replaced to scientific management of irrigation water. Cross regulators will be constructed. All outmoded bridges will be constructed.

3.(a) Actual physical Achievement 2003-04 :

- i. React.the Oulgaret Mettuvoikal from ch.7400 to 10000m.
- ii. Desilting the Kuruvintham surplus course from surplus weir to river penniyar.
- iii. Const.of culvert across Kuruvintham surplus course near Nagammal koil @ Soriankuppam. and vinatham surplus course near Thangal at Soriankuppam.

- iv. Const.of slab culvert across Murungapakkam tank supply chl at Vasanth Nagar in Thengaihittu village.
- v. Const.of culvert across Kuruvintham surplus course near cement kalam at Sooriankuppam in Bahour.

(b) Anticipated Physical Achievement 2004-05 :

- i. Desilting the supply channel of Oussudu Gurumulai voikal from Poraiyur road culvert to infall point at Pillaiyarkuppam Authuvoikal, Pondicherry.
- ii. Desilting & recharging the spring pond at Kanniyakoil near Market complex in Bahour commune.
- iii. Construction of culvert across the Kuruvintham surplus course near the thangal at Soriankuppam village in Bahour commue, Pondicherry.
- iv. Construction of culvert across Kuruvintham surplus course near cement kalam at Soriankuppam village in Bahour Commune, Pondicherry.
- v. Desilting the drainage channel from OuralKuttai to Azhiur tank and construction of 3 pipe culvert across the channel near Thirubuvanai Palayam. the spring ponds at Kannimarkulam, Sapparkulam and Mathan Kulam at Manapet in Bahour and reactivating the spring pond at Manapet village in Bahour Commune.
- vi. Construction of masonry drain for the main channel of 2nd sluice Murungapakkam tank with 2 nos. of culverts at road crossing in Nainarmandapam village Mudaliarpet Commune, Pondicherry.
- vii. Reconstruction of the damaged supply channel at Katterikuppam pet.
- viii. Construction of pump house for lifting water from drainage channel during lean period at Muduthumulu, Yanam. (New Work
- ix. Construction of pump house at Artikayalanka for pumping of flood water for lift irrigation Yanam.
- x. Construction of pump house at Dariyalathippa for pumping of floodwater for lift irrigation Yanam
- xi. Grouting and Pointing to the revetment and retaining wall in Water Works Campus, Yanam. (New Work)
- xii. Construction of retaining wall on the rear side of Residential area from Kursampeta to Neelapalli (Phase.II).
- xiii. Construction of retaining wall from French channel from NH 214 upto Bheem Nagar.and on the right bank of Isakakalava drain from Dommetipeta upto Blossom oil factory Yanam.

c) Programme envisaged for Annual Plan 2005-06 :

- i. Construction of masonry drain for the main channel of 2nd sluice Murungapakkam tank with 2 nos. of culverts at road crossing in Nainarmandapam village Mudaliarpet Commune, Pondicherry.
- ii. Desilting the drainage channel from OuralKuttai to Azhiur tank and construction of 3 pipe culvert across the channel near Thirubuvanai Palayam. (4,98,000)

- iii. Construction of a culvert across Suthukeny channel at ch.6570m in Mannadipet commune. (Est.Rs.9,62,000)
- iv. Forming gravel on the foreshore bund of Embalam VannanEri Nettapakkam Commune, Pondicherry. (Est.Rs.3,47,500)
- v. Construction of culvert at Ramanathapuram village in Villianur Commune
- vi. Providing gravel over the kattukuppam feeding channel (Est.Rs.4,64,000)
- vii. Construction of retaining wall on the rear side of Residential area from Kursampeta to Neelapalli (Phase.II).
- viii. Construction of retaining wall from French channel from NH 214 upto Bheem Nagar. (New Work)
- ix. Construction of retaining wall on the right bank of Isakakalava drain from Dommetipeta upto Blossom oil factory Yanam.
- x. Protecting the left bank of Adivipolam channel from Seetharama Nagar to 8/0Km. stone of Gurempeta flood bank road.
- xi. Construction of drain on the rear side of Houses from seetharama Nagar to 8/0Km. stone(
- xii. Construction of retaining wall on the right side of the Isakakalva drain from Industrial road to Durga temple.
- xiii. Interlinking the Adivipolam channel and French channel in Yanam. (New Work)(100.00 Lakhs)
- xiv. Construction of Drainage channel in between Lakhmi Oil mill and Agriculture lands up to Regency ceramics in Yanam. (New Work)
- xv. Providing pipe line from Syphon at Tallerevu to Yanam to Adivipolam Channel in Yanam. (New Work)(25.00 Lakhs)

4. Remarks : Continuing scheme

Scheme No. 6

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

1. Name of the Scheme : Survey and Investigation of Surface Water

2. Objective of the Scheme :

To undertake studies on availability and utilisation of surface water and its conservation and also exploration of soil studies for the proposed irrigation structures.

3.(a) Actual physical Achievement 2003-04 :

- i. Supplying & fixing of granite boundary stone required for demarcation the boundaries of various chls, III batch of tanks in Bahour sub division.
- ii. Surveying & Levelling operation for the work under ISD-II, of ID PWD

(b) Anticipated Physical Achievement 2004-05 :

- i. Survey and demarcation of drainage course of Krishna Nagar, Pondicherry.
- ii. Demarcation & Planting of survey stones for the supply channels of 1st and 2nd sluices of Murungapakkam supply channel. (Estimate Rs.1.00)

(c) Programme envisaged for Annual Plan 2005-06 :

- i. Survey and demarcation works.
- ii. Demarcation & Planting of survey stones for the supply channels.

4. Remarks : Continuing scheme

Scheme No. 7

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

1. Name of the Scheme : Ground Water Recharge scheme and Machinery and Equipment.

2. Objective of the Scheme :

Adopting various methods for ground water recharge and utilisation of water for irrigation/drinking water supply.

3.(a) Actual physical Achievement 2003-04 :

- i. Stand. of Kanakaneri for recharging Ground water in Oulgaret. S/w.Constrn. of Masonry drain connecting Delarshpet drain to Mohan Nagar drain in Pandy
- ii. Desilting and Providing recharging bore well in surplus course of Bahour from Morattupattarai to Panithittu regulator in Bahour commune.
- iii. Standar.of Kanaganeri tank for recharging GW in Oulgaret Municipality
- iv. Artificial recharging of ground water in Bahour tank surplus weir to Morattupattarai
- v. Desilting and Providing recharging bore well in surplus course of Bahour from Morattupattarai to Panithittu regulator in Bahour commune
- vi. Const.of check dam across south Pambayar at Silkeripalayam village and South pambiyar at Sanyasikuppam village.
- vii. Desilting of Nedungadu Thamarai Kulam in Nedungadu Commune. allikulam in Thalatheru, Chettiar Kulam in Poovam village in Kottucherry Commune. Periya Kulam in Koozhkudicha Agraharam, Perumal Koil Kulam in Varichikudy and Thaneer Pandal Kulam in Thiruvettakudy village in Kottucherry Commune. Thamarai Kulam, Savady Kulam in Kotucherry and Mariamman Koil Kulam in Varichikudy in Kottucherry Commune.
- viii. Deepening and improvements to Mathalankudy Pet Kulam, Nallathur Ovilady Kulam, Kottapakkam Thiruvadi Kulam and Vadakattalai Kulam, Allikulam in Kottucherry Commune.
- ix. Desilting Kurumbagaram Rajiv Nagar Kulam, Usupoor Snana Kulam and Thondamangalam Snana Kulam in Nedungadu commune.
- x. Strengthening the Right Bank of Nandalar from Kazhugumedu in Kottucherry Commune.
- xi. Desilting of various tanks in Neravy and T.R. Pattinam Commune.
- xii. Forming of mini lake at Padutharkollai village in T.R. Pattinam and Chettikottagam at Thennenkudy village in Thirunallar

- xiii. Deepening and improvements to Sebesthiyar Koil Kulam, Patchoor Pet Kulam, North Pet Kulam.

(b) Anticipated Physical Achievement 2004-05 :

- i. Standardisation of Kanaganeri tank for recharging ground water in Oulgaret Municipality Pondicherry.(Est.Rs.89,40,000)
- ii. Desilting and providing recharging borewells in surplus course of Bahour tank from Morattupattarai regulator to Pannithittu regulator in Bahour Commune.(Est.Rs.14,41,000)
- iii. Construction of bed dam in chunnambar on the bed of old bridge to prevent entry of salt water in Nonankuppam village, Pondicherry. (Est.Rs.3,75,00,000)
- iv. Desilting the Guduvaiyar river from Kizhoor anicut to Mangalam anicut from ch.0m to 8000m in Pondicherry. (Est.Rs.61,54,000)
- v. Desilting the Guduvaiyar river from ch.8440m to 13050m (Thirukanji anicut in villianur commune in Pondicherry) (Est.Rs.41,54,532)
- vi. Constn. of diversion anicut across river Pennaiyar (sitheri) Pondicherry/(Est.Rs.5,70,00,000)
- vii. Construction of bed dam with foot bridge across river Guduvaiyar at Kordadu Pondicherry (ch.9390m).(Est.Rs.52,60,000)
- viii. Desilting and recharging spring pond (at Kaduvanur village in Bahour commune. (Est.Rs.3,84,900)
- ix. Desilting and recharging the Periya Andavarkulam Karaipattarai kulam Edyanpattarai kulam, Othvarikulam at Manapet village in Bahour commune.
- x. Desilting and strengthening the bunds of Murungapakkam tank.
- xi. Providing recharge borewells in Katterikuppam tank in Mannadipet commune, Pondy.
- xii. Construction of Pond near the Mullodai tail end regulator. (Est.Rs.8,00,000)
- xiii. Removal of shoal and widening the LB of Vanjjar below Agaramangudy regulator.
- xiv. Deepening the Periya Kulam near Govt. Higher Secondary School at T.R. Pattinam, Karaikal.
- xv. Deepening the Pidari Kulam and Thambiran Kuttai in T.R. Pattinam, Karaikal.
- xvi. Augmentation of storage capacity of Nandalar tailend regulator – I Phase.
- xvii. Construction of tail bed dam across Mullaiyar river below Nagore Road.
- xviii. Removal of shoal and augmentation of storage capacity of tailend regulator in Arasalar near JPCOSPIN at Melaoduthurai.
- xix. Construction of tail bed dam across Pravadayanan river below Nagore Road Bridge.
- xx. Forming Mini lake in the RB of Arasalar near Agalancannu reservoir land acquisition, Karaikal.
- xxi. Desilting and deepening of various tanks in Thirunallar Commune
- xxii. Construction of tail bed dam across Vanjjar at Melaveli.
- xxiii. Forming Mini Lake at Padutharkollai village in T.R. Pattinam Land Acquisition.
- xxiv. Improvements to the approach road to Chettikottagam from Muppaihangudy to Agalancannu.

(c) Programme envisaged for Annual Plan 2005-06 :

- i. Construction of bed dam in chunnambar on the bed of old bridge to prevent entry of salt water in Nonankuppam village, Pondicherry.
- ii. Desilting the Guduvaiyar river from Kizhoor anicut to Mangalam anicut from ch.0m to 8000m in Pondicherry. (Est.Rs.61,54,000)
- iii. Constn. of diversion anicut across river Pennaiyar (sitheri) Pondicherry.
- iv. Construction of bed dam across Guduvaiyar U/s side of Uruvaiyar road bridge in Villianur, Pondicherry. foot bridge across river Guduvaiyar at Kordadu Pondicherry (ch.9390m). and Guduvaiyar on the U/s. side of Keezhagraharam road bridge.
- v. Constn. Of bed dam across river Malatar at Nettapakkam. Malatar near T.N. Palayam. Malatar at Nettapakkam and single lane bridge across Pambaiyar at Sorapet village.
- vi. Reconstruction of Suthukeny anicut with two lane bridge across Sankaraparani river connecting Suthukeny and Kaikalapet village.
- vii. Reconstruction of tail end regulator to store flood water on upstream side and check entry of sea water in downstream side at Mullodai in Moorthikuppam village.
- viii. Construction of tail end irrigation tank / Pond at Mullodai for lift irrigation to an extent of 7 Hectares.
- ix. Desilting and forming inlet and outlet channels to village ponds in Pondicherry region.
- x. Deepening the Periya Kulam near Govt. Higher Secondary School at T.R. Pattinam, Karaikal.
- xi. Construction of tail bed dam across Mullaiyar river below Nagore Road.
- xii. Removal of shoal and augmentation of storage capacity of tailend regulator in Arasalar near JPCOSPIN at Melaoduthurai.
- xiii. Construction of tail bed dam across Pravadayananar river below Nagore Road Bridge.
- xiv. Forming Mini lake at Mullipallam near Melaiyur village in T.R. Pattinam land acquisition and RB of Arasalar near Agalancannu reservoir land acquisition, Karaikal.
- xv. Desilting and deepening of various tanks in Thirunallar Commune
- xvi. Construction of tail bed dam across Vanjiar at Melaveli.
- xvii. Forming Mini Lake at Padutharkollai village in T.R. Pattinam Land Acquisition.
- xviii. Improvements to the approach road to Chettikottagam from Muppaihangudy to Agalancannu.
- xix. Land acquisition for forming mini lake at Thenoor in Thirunallar. Sethur in Thirunallar Commune and Ambagarathur in Thirunallar Commune.
- xx. Removal of shoals and augmentation of storage capacity in Arasalar in Pettai village.

4. Remarks : Continuing scheme