

## MINOR IRRIGATION

Groundwater is the main source for irrigation, drinking and industrial needs of Pondicherry region. The consumption of ground water for irrigation is the order of around 80% of the total consumption of water for all sectors. The surface water bodies like tanks and ponds which were supplementing irrigation in the sixties have become defunct. Presently the water requirements for all purposes are being fully met out by ground water resources and the extraction of ground water has crossed the average annual replenishment to the aquifers. Owing to this, there is a steep decline of water level in the aquifers to depth ranging from 15 to 35 mts. which has resulted in sea water intrusion along the coast. Pondicherry faces an increasingly urgent situation, since its finite and fragile water resources are stressed and depleting while the sectoral demands for agriculture, industry and drinking needs are growing rapidly. If the aspirations of the people of Pondicherry are to be met, all concerted efforts have to be taken to reduce the total dependency on ground water by harvesting the rain water, conserving and recharging ground water. Th 600 ponds available in Pondicherry will be desilted for Rain Water Harvesting in a phased manner. Recharge tube wells will be constructed in all these ponds as Rain Water Harvesting Structures to increase artificial recharge of the sub-surface aquifers. The number of Roof Top Rain Water Harvesting Structures proposed to be constructed in Government buildings and in residential buildings during 2004-2005 will be doubled. The programme of underground pipelining to avoid seepage losses will be given further fillip and more number of farmers will be encouraged in installation of water saving devices like Micro Irrigation systems. To monitor the ingress of salt water along the coast, to assess the impact of ground water recharge programmes and to monitor the quality of ground water, intensive investigation studies will be carried out. Well inventory survey will be undertaken to assess the ground water potential. Periodical monitoring of record the change in water level and the water quality from the network of observation tube wells will be undertaken.

A full fledged water testing laboratory will be established to test and monitor the change in ground water quality. Ground Water pollution studies in suspected industrial sites will be carried out to take remedial action. Though extraction of ground water has reached the saturation point, attention will be given to stabilise the existing irrigable command for sustained agricultural production. Assistance will be given to the farmers for purchase of PVC casing pipes required for constructing tubewells and for replacement of submersible pump sets. Community tube wells will be constructed for providing assured irrigation to SC, small and marginal farmers. Also financial assistance will be provided to farmers by way of relief when their wells constructed departmentally fail due to structural failure, change in water quality or poor yield. By implementing all the above programmes under the new scheme, the dependence on ground water will be reduced, resulting in ground water recharge and water table rise facilitating efficient irrigation for sustained agricultural production and generation of higher farm income. To regulate the exploitation of groundwater in the Union Territory of Pondicherry, the "Pondicherry Ground Water Authority" will be created during 2004-05 under the Pondicherry Ground Water (Control and Regulation) Act 2002.

Under this sector, programmes implemented by Public works department consist of improvement of Tanks, Ayacut Development, Diversion works and Diversion Channels and Ground water recharge scheme. There are no major Irrigation Projects. The only medium irrigation project in Karaikal region could not be improved in view of embargo imposed by Government of India due to river water disputes pending adjudication by the Tribunal. Tanks and tube-wells are the main sources of irrigation water in the Union Territory of Pondicherry. However, the well irrigation is dominating compared to the tank irrigation. There are 84 tanks in this region serving a total command area of 6456 ha. There are 54 system tanks and 30 non-system tanks. These tanks derive their supply from the two non-perennial rivers of Sankaraparani and Pennaiyar and also from their catchments. The main source of water is the

run off from the North East monsoon rainfall occurring in October to December. In addition, the tanks get regulated supplies from the storage reservoirs situated in the neighbouring state of Tamil Nadu. The cumulative storage capacity of the 84 tanks for one filling is 1600 Mcft.

Tank Rehabilitation Project is funded by European Union under Externally Aided Project programme. The total cost of the project is Rs.34.73 crores of which European Union contribution is Rs.28.13 crores, Government of Pondicherry's contribution is Rs.4.40 crore and the farmer's contribution is Rs.2.20 crores. It is proposed to rehabilitate 84 tanks having a command area of 6456 Ha. Of which 42 tanks was completed and work in progress in 25 tanks. It is proposed to cover 17 tanks during 2004-05.

## 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 2002-03 Actual Expenditure	:	1399.08
Annual Plan 2003-04 Approved Outlay	:	1432.00
Annual Plan 2003-04 Revised Outlay	:	1452.00
Annual Plan 2004-05 Proposed Outlay	:	1800.00

(Rs. in lakh)

Sl. No.	Name of the Scheme	2002-03	2003-04		2004-05
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)
<b>AGRICULTURE</b>					
1.	Integrated scheme for Development, Harvesting Recharging and conservation of Ground water	99.98	100.00	100.00	200.00
<b>PUBLIC WORKS</b>					
2.	Rehabilitation of Irrigation Tanks	915.51	939.71	952.43	734.35
3.	Diversion of Works and Diversion of channels	141.74	134.09	140.37	337.40
4.	Ayacut Development	21.50	80.00	80.00	138.00
5.	Survey and Investigation of Surface Water	1.00	5.00	3.00	0.25
6.	Machinery and Equipment	1.35	22.50	25.50	6.50
7.	Ground Water Recharge Scheme	218.00	150.70	150.70	383.50
	<b>Sub-total</b>	<b>1299.10</b>	<b>1332.00</b>	<b>1352.00</b>	<b>1600.00</b>
<b>Total</b>		<b>1399.08</b>	<b>1432.00</b>	<b>1452.00</b>	<b>1800.00</b>

## 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 2002-03:

- |  |       |
|--|-------|
| i. Construction of Farm Ponds in Karaikal in nos.  | 2     |
| ii. Desilting/reconstruction of percolation ponds/channels/<br>water bodies in Govt. prompoko for rainwater harvesting and<br>recharging groundwater in nos. | 7     |
| iii. Construction of recharge tube wells for recharging ground water in nos.   | 6     |
| iv. Construction of roof top rain water harvesting structure in the<br>Govt. buildings in nos.   | 5     |
| v. Laying of underground pipelines at subsidized cost in mtrs.   | 19958 |
| vi. Installation of sprinkler/drip irrigation sets at subsidized cost in nos.  | 25    |

### (b) Anticipated Physical Achievement 2003-04:

- |  |    |
|--|----|
| i. Construction of Farm Ponds in Karaikal in nos.  | 5  |
| ii. Desilting/reconstruction of percolation ponds/channels/<br>water bodies in Govt. prompoko for rainwater harvesting and<br>recharging groundwater in nos. | 10 |
| iii. Construction of recharge tube wells for recharging ground water in nos.   | 10 |
| iv. Construction of roof top rain water harvesting structure in the<br>Govt. buildings in nos.   | 2  |
| v. Renovation of dug wells/dug-cum- bore wells in nos.   | 15 |
| vi. Construction of roof top/rainwater harvesting structures in<br>private buildings through PASIC   | 6  |

vii.	Laying of underground pipelines at subsidized cost in mtrs.	30000
viii.	Installation of sprinkler/drip irrigation sets at subsidized cost in nos.	25
ix.	Construction of New/Replacement community tube wells in nos.	3

**(c) Programme envisaged for Annual Plan 2004-05:**

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.	25
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	10
vii.	Laying of underground pipelines at subsidized cost in mtrs.	30000
viii.	Installation of sprinkler/drip irrigation sets at subsidized cost in nos.	25

**4. Remarks :** Continuing scheme

**Scheme No. 2**

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 2002-03 :**

- i. Desilting of Olandai tank & Strength, the bund
- ii. Desilting of Oussudu tank & forming flood bank in Sankaraparani river.
- iii. Desilting the Malatar river from Nettapakkam.
- iv. Relaying and mettalling the inspection track of Bahour tank from Vazhipattai to Bahour tank surplus.
- v. Improvements to the launching apron of Oussudu tank surplus course at Pathukannu, Pondy.
- vi. Forming of mini lake at Nallathur in Kurumbagaram revenue village in Nedungadu Commune

**(b) Anticipated Physical Achievement 2003 - 04 :**

- i. Impts. to Oussudu tank
- ii. Impts. to the launching apron of Oussudu tank

- iii. Desilting of various tanks in pondicherry. S/W: Desilting of Olandai tank and strengthening the bunds of Olandai tank in Pondicherry.
- iv. Desilting of Keeparikalpet tank in Bahour Commune, Pondicherry.
- v. Desilting the Malatar river from Nettareppakkam tank off take to P.S.Nallur Authuvoikal infall point (near Pakkam tank off tank bed dam).
- vi. Desilting the Oussudu tank and forming the flood bank in Sankaraparani river from Pillaiyarkuppam anicut to Sellipet causeway Pondicherry.
- vii. 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
- viii. Desilting of Bahour tank and formation of flood bank on the LB of Pennaiyar.
- ix. Desilting of Vadhanur tank (II Phase)
- x. Desilting the Sivaranthagam tank
- xi. Desilting the Sathamangalam tank.
- xii. Land acquisition for vadhanur tank
- xiii. Land acquisition for Kanaganeri tank
- xiv. Land acquisition for Korkadu tank.
- xv. Acquisition of land for formation of mini lake at Thenoor in Karaikal.
- xvi. Acquisition of land for formation of mini lake at Andoor

**(c) Programme envisaged for Annual Plan 2004-05:**

- i. Desilting Olandai and Murungapakkam tank and forming Beach in Vambakeerapalayam. (New work) (Rs.1.00 Crore)
- ii. Desilting Oussudu tank and forming Tourist stand. (New work) (Rs.2.00 Crores).
- iii. Desilting of Keeparikalpet tank in Bahour Commune, Pondicherry.
- iv. 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.
- v. Desilting of Bahour tank and formation of flood bank on the LB of Pennaiyar.
- vi. Desilting of Vadhanur tank (II Phase)
- vii. Desilting the Sivaranthagam tank
- viii. Desilting the Sathamangalam tank.
- ix. Land acquisition for vadhanur tank
- x. Land acquisition for Kanaganeri tank
- xi. Land acquisition for Korkadu tank.
- xii. Extending the sluice barrels and cistern of Oussudu tanks.
- xiii. Providing inspection bath on the tank bund of Thondamanatham velleri
- xiv. Improvements to the existing revetment of the Oussudu tank
- xv. Construction of revetment /Retaining wall of south and western bund of Oussudu tank
- xvi. Desilting of Thondamanatham Kadaperi.
- xvii. Providing revetment on the north eastern corner of Murungapakkam tank.
- xviii. Desilting the Kunichampattu Pudueri in Mannadipet Commune.
- xix. Desilting the Manalipet tank in Mannadipet commune.
- xx. Additional desilting of vadhanur tank.
- xxi. Construction of outer toe wall of Embalam Vannan eri.
- xxii. Construction of outer toe wall of Embalam Vakkaran eri.

- xxiii. Construction of Revetment / Retaining wall in the eastern bund of Bahour tank near Aranganur sluice.
- xxiv. Mettalling the tank bund of Kariamanickam and Molapakkam tank.
- xxv. Acquisition of land for formation of mini lake at Andoor .
- xxvi. Acquisition of land for formation of mini lake at Thenoor.
- xxvii. Desilting works.

**Creation of functional and ministerial posts:**

**4. Remarks :** Continuing scheme

**Scheme No. 3**

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 regraded 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. Cross regulators are to be maintained. The feeder channels are to be regraded. Weak bunds are to be strengthened.

**3.(a) Actual physical Achievement 2002-03 :**

- i. Improvements to the Bangaru channel ch.12.275 – 13.160.
- ii. Desilting the Suthukeny channel from head regulator to tail end 0 to 10940m.
- iii. React. The main Feeding Channel of Karikalampakkam tank.
- iv. construction of bed dam in Chunnambar on the bed of old bridge.
- v. Protecting the banks of Sippi voikal from offtake point to Sippi voikal escape in Neravy Commune.
- vi. Improvements to the Akkaraivattam channel in Karaikal II-Reach.
- vii. Improvements to Pattavarthi channel in Neravy Commune, Karaikal.
- viii. Construction of three bed dam with shuttering arrangements and common retaining wall for Pathakudy and Valathamangalam channel in Thirunallar.
- ix. Re-construction of culvert at Ambagarathur voikal in Thirunallar

**(b) Anticipated Physical Achievement 2003 - 04 :**

- i. Desilting the Suthukeny channel from head regulator to tail end (0m to 1094m) Pondicherry.
- ii. Impts. to the Bangaru chl. From 12.275km to 13.16km( from Kumarakoil Odai to Bahour tank entry point ) Bahour commune.
- iii. Improvements to feeding channel (Authuvoikal of Archivak tank) in Pondicherry. S/W: Reconstruction of surplus regulator across common level at LS 1680m to 1770m
- iv. Construction of foot bridge across Suthukeny channel below katterikuppam bridge (ch.at4200m), Pondicherry.

- v. Reactivating the main feeder chl. of Karikalampakkam tank from Moorthikuppam anicut, Pondicherry.
- vi. Construction of culvert across surplus course of Suthukeny Perieri below Putheri near Durga Koil at Suthukeny.
- vii. Construction of Bed dam in Chunnambar on the bed of old bridge to prevent entry of salt water.
- viii. Improvements to Pillaiyarkuppam anicut.
- ix. Improvements to Suthukeny anicut
- x. Land acquisition for Kunichampet Pazaeri feeding channel.
- xi. Impts. to the tail end regulator and construction of retaining wall and crest wall at U/s of Bahour surplus course at Pannithittu.
- xii. Reconstruction of culvert in Aratchikuppam tank feeding channel Porakoil at Kuruvinatham.
- xiii. Improvements to Arukol vadigal in Melaoduthurai village in Karaikal.
- xiv. Improvements to sippi voikal from escape to infall point in Neravy village.
- xv. Standardisation of both banks of Athiadi channels from offtake point of Head Sluice to Grand Canal culvert in Karaikal.
- xvi. Construction of three bed dam and shuttering arrangements and common retaining wall for Pathakudy and Valathamangalam channel.
- xvii. Re-construction of culvert at Ambagarathur voikal in Thirunallar.
- xviii. Land acquisition for diversion of Nelli voikal at infall point near tailend regulator at Melaoduthurai.
- xix. Diversion and protecting the Nelli voikal upto infall point and construction of culverts in Puduthurai village in Karaikal.
- xx. Improvements to approach road of Arasalar from Puduthurai village and connecting with Athipadugai river bund road near Arasalar tailend regulator.
- xxi. Improvements to approach road of Arasalar from Puduthurai village near Mosque to the ongoing tailend regulator.
- xxii. Formation of new BT road in the Right Bank of Vanjiar from Lemiare bridge to infall point of Vanjiar into Arasalar, Karaikal.
- xxiii. Construction of revetment at Kuruviparukkum Kanni channel of Dharmapuram, Karaikal.
- xxiv. Construction of small bridge across Ammai voikal at the western end of Burma Street, Dharmapuram, Karaikal.
- xxv. Construction of foot bridge across Vanjiar to connect Cholankuruchi village at Ambagarathur.
- xxvi. Improvements to downstream apron and dumping boulder at Agalancannu bed dam.
- xxvii. Re-construction of damaged culvert at the tailend of Sethur drainage channel in Thirunallar Commune.
- xxviii. Re-construction of culvert at Ambagarathur voikal in Thirunallar.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Improvements to anicuts and head regulators.
- ii. Construction of foot bridges across various channels
- iii. Land acquisition.
- iv. Impts. to the tail end regulators and construction of retaining walls.
- v. Construction / Reconstruction of culverts at various places.
- vi. Construction of bridges across various channels
- vii. Improvement / Realignment of various feeding channels.
- viii. Impts. to various channels.
- ix. Providing revetments and inspection paths for the feeding channels.



- x. Improvements to various voikals and protecting the banks of various channels.
- xi. Improvements to various head sluices.

**4. Remarks** : Continuing scheme

**Scheme No. 4**

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 2002-03 :**

- i. Forming approach on the LB of Korkadu FC.
- ii. Resectioning the Koodapakkam Mettuvoikal.
- iii. Providing approach road on the LB of Korkadu Feeding channel.
- iv. Lining to Kodathur tank Feeding channel.
- v. Protecting the RB of Chettipet tank Feeding channel.
- vi. Protectiong the LB of Adivipolam channel from Dariyalathippa village to Bassava House House (via) Udaya Lakshmi Colony.
- vii. Construction of culvert across the Adivipolam channel at ch.3/000km. Isakalava road.
- viii. Construction of drain from French channel to Dhobi tank in Yanam.

**(b) Anticipated Physical Achievement 2003 - 04 :**

- i. Providing revetment to Chinnavoikal in Seliamedupet.
- ii. Regrading and Reactivating the Koodapakkam Mettuvoikal of oussudu tank in Pondy.
- iii. Constn. Of retaining wall on the outer toe of Nettapakkam tank in Pondy.
- iv. Black topping the approach road on the LB of Korkadu feeding channel from Pudukuppam school culvert to inlet of Korkadu tank in Villianur Commune, Pondicherry.
- v. Construction of slab culvert across Murungapakkam tank supply channel at Vasantha Nagar in Thengaithittu village, Mudaliarpet, Pondy.
- vi. Construction of culvert across Kuruvinatam surplus course near cement kalam at Soriankuppam village in Bahour Commune, Pondicherry.
- vii. Constuction of culvert across Kuruvinatam surplus course near Nagammal koil at Soriankuppam village in Bahour commune.
- viii. Construction of culvert across the Kuruvinatam surplus course near the thangal at Soriankuppam village in Bahour commue, Pondicherry.

- ix. Improvements to Mettuvoikal from 4430 to 5330 including construction of culvert.
- x. Providing inspection track on the western bund of oussudu tank, Pondicherry.
- xi. Impts. To existing drain from Kursampeta to Neelapalli Outlet.
- xii. Providing lift Irrigation facilities from Godavari river at Farampeta.
- xiii. Constn.of sluices with shuttering arrangements for all channels off taking from Adivipolam channel.
- xiv. Constn.of retaining wall from French channel from N.H. 214 upto Bheem Nagar.
- xv. Constn.of retaining wall on the RB of Isakalava drain from Dommetipetal upto Blossom Oil factory Yanam.
- xvi. Grouting and pointing all the existing revetments and retaining walls in water supply courses.
- xvii. Providing lighting arrangements from Ferry point to Yanam Yedurlanka bridge.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Improvements to various voikals.
- ii. Providing inspection tracks.
- iii. Lining the supply channels.
- iv. Construction of masonry drains for the supply channels.
- v. Protecting the supply channels.
- vi. Constn.of retaining walls.

**4. Remarks :** Continuing scheme

**Scheme No. 5**

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 2002-03 :**

- i. Surveying and levelling operation for the works under ISD-II, PWD, Pondy.
- ii. Providing & fixing of granite survey stones.
- iii. Demarcation of tank boundary of Feeding channel & supply channel.

**(b) Anticipated Physical Achievement 2003-04 :**

- i. Surveying and levelling operation for the works under ISD-II, PWD, Pondicherry.

- ii. Demarcation of tank boundary feeder chl. and supply channel of III Batch of tank
- iii. Supplying and fixing boundary stones for III batch tank - AE-I
- iv. Supplying and fixing boundary stones for III batch tank - AE-II
- v. Supplying and fixing boundary stones for III batch tank- AE-III
- vi. Supplying and fixing boundary stones for III batch tank - AE-IV

**(c) Programme envisaged for Annual Plan 2004-05 :**

Purchase of survey stones for III batch of tank for various Sub-Division of Irrigation Division under TRPP.

- 4. Remarks :** Continuing scheme

**Scheme No. 6**

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

- 1. Name of the Scheme :** Machinery and Equipment

- 2. Objective of the Scheme :**

Purchase of Machinery and equipments are required for desilting, removal of shoals and conveyance of earth. The main equipments required are Tippers, JCB excavators cum loaders, Tractors and Bull-dozers etc., for desilting of rivers and Irrigation channels.

**3.(a) Actual physical Achievement 2002-03 :**

- i. Purchase of 2 Nos. of Mini Tipper.
- ii. Purchase of 2 Nos. of Tractor & Dozer.

**(b) Anticipated Physical Achievement 2003-04 :**

- i. Purchase of Wireless system.
- ii. Purchase of one vehicle Tata Qualis

**(c) Programme envisaged for Annual Plan 2004-05 :**

Purchase of one Jeep.

- 4. Remarks :** Continuing scheme

**Scheme No. 7**

Sector : MINOR IRRIGATION

Implementing Department : PUBLIC WORKS

- 1. Name of the Scheme :** Ground Water Recharge scheme.

- 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 2002-03 :

- i. Standardisation of Kanaganeri tank for recharging ground water in Oulgaret Municipality, Pondicherry.
- ii. Construction of check dam across south Pambaiyar river at Silkeripalayam.
- iii. Artificial recharge of water Bahour tank surplus course from surplus weir to Morattupattarai regulator in Pondicherry.
- iv. Construction of check dam across south Pambaiyar river at Sanyasikuppam.
- v. Desilting the Guduvayar river from Kizhur anicut to Mangalam anicut ch.0 to 8000m.
- vi. Desilting of Ponpethy Snana Kulam in Nedungadu Commune.
- vii. Desilting Thiruvengadapuram Pet Kulam, Puthakudy Snana Kulam and Melakottucherry Kumaran Koil Kulam in Nedungadu Commune.
- viii. Deepening and improvements to Melakasakudy Vannan Kulam and Poosari Kulam in Nedungadu Commune.
- ix. Desilting of various tanks in Neravy and T.R. Pattinam Commune.
- x. Deepening and improvements to the Kuyavan Kulam and Pillaiyar Kulam in Thirunallar commune.
- xi. Deepening and improvements to Pallivalsal Kulam, Therkkul Kulam Pet in Thirunallar Commune.
- xii. Deepening and improvements to the Ayyanar Kulam, Thulukan Kulam, Rengapillai Kuttai in Thirunallar commune.
- xiii. Deepening and improvements to the Pillaiyer Kulam and Madiveli kulam in Thennenkudy village.
- xiv. Deepening and improvements to the Ayyan Kulam in Ambagarathur village.
- xv. Deepening and improvements to the Pasi Kulam, Kosavan Kulam in Pandaravadai village and Nellikulam in Sethur village.
- xvi. Forming of mini lake at Chettikottagam and Thennenkudy village in Thirunallar Commune.
- xvii. Deepening and improvements to the Karukkan Kulam, Pidari Kulam and Andiappan Kulam in Thirunallar.
- xviii. Deepening and improvements to the Thamarai Kulam, Salai Kulam and Pidari Kulam in Thirunallar.
- xix. Deepening and improvements to the Ottadayan Kulam and Thalayar Kulam in Thirunallar.
- xx. Deepening and improvements to the Kannapaur Snana Kulam and Thamangudy Snana Kulam in Ambagarathur village in Thirunallar.
- xxi. Deepening and improvements to the Mariamman Koil Kulam in Nallambal village and Pillaiyar Kulam in Nallezhundur village in Thirunallar.
- xxii. Deepening and improvements to the Snana Kulam in Varshapathu Kottapadi village, Mudali Kulam in Muppaithangudy village, Thenpidagai Kulam in Thenpidagai village.
- xxiii. Deepening and improvements to the Poosai Kulam, Nelli Kulam and Pidari Kulam in Neivachery village in Thirunallar.
- xxiv. Deepening and improvements to the Kollai Kulam, Vettu Kulam and Manian Kulam in Thirunallar.
- xxv. Deepening and improvements to the Mookuthi Kuttai, Nanji Kuttai and Thamanan Kuttai in Thirunallar.
- xxvi. Deepening and improvements to the Sebasthiar Koil Kulam, Patchoor Pet Kulam, North Pet Kulam, Nanjian Kuttai in Thirunallar.

- xxvii. Deepening and improvements to the Thalayari Kulam in Keezhasubrayapuram and Therkkuvveli Thamanan Kulam in Sorakudy in Thirunallar.

**(b) Anticipated Physical Achievement 2003 - 04 :**

- i. Standardisation of Kanaganeri tank for Recharging ground water in Oulgaret Municipality Pondy.
- ii. Constn. of check dam across south pambaiyar river at Silkaripalayam in Mannadipet Commune, Pondicherry.
- iii. Constn. of check dam across south pambaiyar river at Sanyasikuppam in Mannadipet Commune, Pondicherry.
- iv. Standardisation of Kanaganeri Tank for Recharging ground water in Oulgaret Municipality, Pondicherry. S/W: Constn. of link chl. from Shanmugapuram vellavari in Oulgaret in Mettuvoikal.
- v. Standardisation of Kanaganeri for Ground water in Oulgaret Municipality. S/W: construction of masonry drain connecting Delarshpet drain to Mohan Nagar drain in Pondicherry.
- vi. Desilting and providing recharging borewells in surplus course of Bahour tank from Morattupattari to Pannithittu regulator in Bahour Commune, Pondicherry.
- vii. Desilting and strengthening of bunds in Murungapakkam tank in Pondicherry.
- viii. Standardisation of Kanaganeri Tank for Recharging ground water in Oulgaret Municipality, Pondicherry.
- ix. Construction of diversion Anicut across river Pennaiyar (Sitheri) Pondicherry.
- x. Desilting the Guduvaiyar river from ch.8440m to 13050m (Thirukanji anicut in villianur commune in pondicherry.)
- xi. Desilting the Guduvaiyar river from ch.0m to 8000m (Kizhur anicut to Mangalam anicut in pondicherry.)
- xii. Construction of check dam across Malatar river.
- xiii. Construction of bed dam in chunnambar on the bed of old bridge to prevent entry of salt water in Nonankuppam village.
- xiv. Construction of bed dam across Guduvaiyar upstream side Uruvaiyar road bridge in Pondicherry.
- xv. Construction of inlet regulator at Kanaganeri for rain harvest.
- xvi. Construction of bed dam across Guduvaiyar @ Korkadupet, Pondicherry.
- xvii. Constn. of two additional check dam across river Pambaiyar.
- xviii. Impts. to the Manalipet causeway including provision of bed dam across Sankaraparani river.
- xix. Constn. of tail end regulator across south Pambaiyar upstream of confluence point of Sankaraparani river and pambaiyar.
- xx. Desilting of Nedungadu Thamarai Kulam in Nedungadu Commune.
- xxi. Desilting of allikulam in Thalatheru, Chettiar Kulam in Poovam village in Kottucherry Commune.
- xxii. Desilting of Periya Kulam in Koozhkudicha Agraharam, Perumal Koil Kulam in Varichikudy and Thaneer Pandal Kulam in Thiruvettakudy village in Kottucherry Commune.
- xxiii. Desilting Thamarai Kulam, Savady Kulam in Kotucherry and Mariamman Koil Kulam in Varichikudy in Kottucherry Commune.
- xxiv. Deepening and improvements to Mathalankudy Pet Kulam, Nallathur Ovilady Kulam, Kottapakkam Thiruvadi Kulam and Vadakattalai Kulam, Allikulam in Kottucherry Commune.

- xxv. Deepening and improvements to Kottagam Snana Kulam, Kilianur Snana Kulam and Keezasembiyangal Snana Kulam in Nedungadu Commune.
- xxvi. Desilting Kurumbagaram Rajiv Nagar Kulam, Usupoor Snana Kulam and Thondamangalam Snana Kulam in Nedungadu commune.
- xxvii. Strengthening the Right Bank of Nandalar from Kazhugumedu in Kottucherry Commune.
- xxviii. Desilting of various tanks in Neravy and T.R. Pattinam Commune.
- xxix. Forming of mini lake at Padutharkollai village in T.R. Pattinam.
- xxx. Formation of mini lake at Chettikottagam at Thennenkudy village in Thirunallar.
- xxxi. Forming of mini tank at Valathamangalam near Noolar between Sethur road culvert and Valathamangalam road bridge in Thirunallar-Phase I &Phase II.
- xxxii. Deepening and improvements to Kuyavan Kulam and Pillaiyar Kulam in Thirunallar.
- xxxiii. Deepening and improvements to Pallivasal Kulam at Tharakulam Pet in Thirunallar.
- xxxiv. Deepening and improvements to Sebesthiyar Koil Kulam, Patchoor Pet Kulam, North Pet Kulam.
- xxxv. Deepening and improvements to Ayyan Kulam, Thulukan Kulam, Rengapillai Kuttai in Thirunallar.
- xxxvi. Deepening and improvements to Pillaiyar Koil Kulam and Manthiveli Kulam in Thennenkudy village.
- xxxvii. Deepening and improvements to Thoppalan Kuttai, Thatchankuttai, Morakarankuttai and Vappou Routhar Kuttai in Ambagarathur.
- xxxviii. Deepening and improvements to Ayyan Kulam in Ambagarathur village.
- xxxix. Deepening and improvements to Paasi Kulam and Kosavan Kulam in Pandaravadai village and Nalli Kulam in Sethur village.
- xl. Deepening and improvements to Karukkangudy Pidari Kulam and Andiappan Kulam in Thirunallar.
- xli. Deepening and improvements to Ottadayan Kulam and Thalayari Kulam in Ambagarathur.
- xlii. Deepening and improvements to Thamarai Kulam, Saliya Kulam and Pidari Kulam in Sellur.
- xliii. Deepening and improvements to Kannapur and Thamangudy Snana Kulam in Ambagarathur.
- xliv. Deepening and improvements to Pethaperumal Kuttai and Pidari Kuttai in Ambagarathur.
- xlv. Deepening and improvements to Mariamman Koil in Nallambal village and Pillaiyar Kulam in Nallezhundur village.
- xlvi. Deepening and improvements to Snana Kulam, Varshapathu Kottapady village, Muthali Kulam in Muppaithangudy village, Thenpidagai Kulam in Thenpidagai village.
- xlvii. Deepening and improvements to Poosari Kulam, Nalli Kulam and Pidari Kulam in Neivachery Kulam.
- xlviii. Deepening and improvements to Kollai Kulam, Vettu Kulam and Maniam Kulam in Thirunallar.
- xlix. Deepening and improvements to Mookuthikuttai, Nanjian Kuttai and Thamanan Kulam in Thirunallar.
- I. Deepening and improvements to Thalayari Kulam at Keezha Subrayapuram and Therukoothu Mari Kulam at Sorakudy village.
- li. Formation of mini lake at Nallambal village in Thirunallar Commune.
- lii. Formation of mini lake at Ambagarathur Therkkuvveli in Thirunallar Commune.

- liii. Formation of mini lake at Sethur Vadakku veli in Thirunallar Commune.
- liv. Desilting of tanks in Thirunallar Commune.

**(c) Programme envisaged for Annual Plan 2004-05 :**

- i. Construction of Bed dam across Pambayar below Sagadapet bridge (New Work) (Rs.1.00 Crore)
- ii. Construction of diversion Anicut across river Pennaiyar (Sitheri) Pondicherry. (Rs.5.70 Crores)
- iii. Construction of bed dam in Chunnambar on the bed of old bridge to prevent entry of salt water in Nonankuppam village.
- iv. Construction of bed dams across various rivers.
- v. Construction of inlet regulators.
- vi. Construction of check dams across various rivers.
- vii. Formation of mini lakes.
- viii. Desilting of tanks.
- ix. Land acquisition.

**4. Remarks** : Continuing scheme