

## MINOR IRRIGATION

Groundwater is the main source for irrigation, drinking and industrial needs in Pondicherry region. The consumption of groundwater for irrigation is in 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 abstraction 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. Hence, it has become necessary to make water resources development more imperative by implementing a comprehensive integrated scheme.

Rain water is not generally harvested and conserved when available. Construction of percolation ponds / pits and renovation of dug wells will help in rain water storage and recharging ground water. There are about 600 ponds available in Pondicherry which will be de-silted for rain water harvesting. Dead storage structures in the middle of the ponds will be constructed in the de-silted tanks to increase their water holding capacity. Additionally recharge tube wells will be constructed in all these ponds as rain water harvesting structures to increase artificial recharge of the sub-surface aquifers. Further, roof top rain water harvesting structures will be constructed in existing governmental buildings, industrial buildings and residential buildings to facilitate recharging the shallow aquifers and to control decline of water levels. Assistance will also be extended for constructing roof top rain water harvesting structures in industrial and residential buildings. The harvested rain water can be stored and used for drinking and other domestic needs.

To improve water management practices and to contribute towards equitable water distribution and use, on farm development works will be under taken in a comprehensive manner in the Tank Rehabilitation Projects by providing separate irrigation and drainage channels, conveying water through pipe lines, constructing control and regulation structures like bed dams, threshing floors etc. Under the ayacut command of Tank Rehabilitation Projects, there are only few wells which are generally not used when water flows in the canals. If the well water and the canal water are conjunctively used simultaneously, drainage problem and salinity can be overcome. To facilitate this, under the ayacut command of the Tank Rehabilitation Projects, community tube wells will be constructed at suitable locations and handed over to the Water Users Associations for management and maintenance.

The programme, improvement of tanks is mainly intended for improvement to various tanks by way of de-silting the tank bed, standardisation of bunds and strengthening the bunds, re-construction of sluices, surplus weirs and other structures. Under this scheme, during the Ninth Plan, the major works of Improvements to western bund of Bahour tank by providing revetment (600m) and the inspection path to Bahour tank (3000 m) were completed. During the Tenth Plan, it is proposed to take up the de-silting of tanks of Olandai tank, Murungapakkam tank, Kanaganeri tank and Manapet tank. Due to de-silting of these tanks the storage of surface water in these tanks will be

restored which will effectively recharge the ground water aquifers in addition to irrigation uses.

Ayacut Development scheme is mainly intended for stabilizing the existing ayacut of 6456 Ha by way of improvement of various supply channels offtaking from tanks, construction of bed dams across the supply channels etc. During the Ninth Plan, desilting of various supply channels was taken up for a length of 30 km. It is proposed to undertake improvements of voikals and supply channels for a length of 15 kms. Diversion works and Diversion channel programme is mainly intended for improvements to various main/secondary feeding channels off taking from rivers by way of lining, construction of regulators and other cross masonry structures. During the Ninth Plan, a total length of 3.3 kms. of Thirukanji and Bangaru feeder channel were undertaken and construction of 12 vent regulator across Athuvoikal were completed.

During the Tenth Plan, a total length of 64 kms. of various main/ secondary feeder channels are proposed to be taken up for de-silting and improvements. In addition to the above, the EEC assisted Tank Rehabilitation Project will be continued in the Tenth Plan. By the end of Ninth Plan around 2000 hectares will be stabilised under the minor irrigation schemes. The remaining 4456 hectares will be stabilised during Tenth Plan. Rain water harvesting and artificial recharge schemes will be given top priority during Tenth Plan. Pilot projects in this direction have already been initiated in the last year of Ninth Plan. Construction of checkdams across river Pambaiyar in Pondicherry is proposed. Percolation ponds are proposed in Karaikal at 4 places. Minor irrigation tanks viz. Kanaganeri, Olandai and Murungapakkam tanks will be desilted exclusively for rain water harvesting.

## OUTLAY AT A GLANCE

Sector : MINOR IRRIGATION  
 Department : 1. AGRICULTURE  
 2. PUBLIC WORKS

No. of Schemes: 7

(Rs.in lakh)

Ninth Five Year Plan 1997-02 Approved Outlay	:	1750.00
Annual Plan 1997-2000 Actual Expenditure	:	1436.67
Annual Plan 2000-01 Actual Expenditure	:	614.73
Annual Plan 2001-02 Approved Outlay	:	1002.00
Annual Plan 2001-02 Revised Outlay	:	1002.00
Tenth Five Year Plan 2002-07 Proposed Outlay	:	7100.00
Annual Plan 2002-03 Proposed Outlay	:	1170.00

(Rs. in lakh)

Sl. No.	Name of Scheme	2000-01	2001-02	2002-07	2002-03	
		Actual Expenditure	Approved Outlay	Revised Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)	(7)

### AGRICULTURE

1.	Integrated scheme for Development, Harvesting Recharging and conservation of Ground water	32.95	31.00	31.00	1700.00	100.00
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### PUBLIC WORKS

2.	Rehabilitation of Irrigation Tanks	387.82	642.30	642.30	2690.00	655.00
3.	Diversion of Works and Diversion of channels	133.14	109.70	109.70	720.00	140.00
4.	Ayacut Development	38.11	65.00	65.00	700.00	80.00
5.	Survey and Investigation of Surface Water	0.50	3.50	3.50	40.00	5.00
6.	Machinery and Equipment	22.21	40.50	40.50	250.00	40.00

(1)	(2)	(3)	(4)	(5)	(6)	(7)
7.	Ground Water Recharge scheme	-	110.00	110.00	1000.00	150.00
	<b>Sub Total</b>	<b>581.78</b>	<b>971.00</b>	<b>971.00</b>	<b>5400.00</b>	<b>1070.00</b>
	<b>Total</b>	<b>614.73</b>	<b>1002.00</b>	<b>1002.00</b>	<b>7100.00</b>	<b>1170.00</b>

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** :

Groundwater is the main source for irrigation, drinking and industrial needs in Pondicherry region. The consumption of ground water for irrigation is in 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 in Pondicherry region are being fully met by ground water resources and the abstraction 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 25 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 under stress 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 groundwater by harvesting rain water, conserving and recharging groundwater.

Water is going to be a major constraint in future for overall economic development. Hence, 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 amalgamating both the Ninth Plan schemes namely, "Comprehensive scheme for Soil Conservation and Water Management and Comprehensive scheme for Investigation, Recharging Control and Regulation of Ground Water". Hence to bestow undiverted attention towards harvesting rainwater and recharging of ground water, it is proposed to combine the above said schemes. This scheme will be implemented giving emphasis to achieve 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.

(Rs. in lakh)

<b>3. Ninth Plan 1997-02</b>	:	
a) 1997-2000 (Actual Expenditure)	:	88.15
b) 2000-2001 (Actual expenditure)	:	32.95
c) 2001-2002 (Revised Outlay)	:	31.00
<b>d) Actual Physical Achievement (1997-2000)</b>	:	
i) No. of medium/deep tube wells to be sunk in Nos.		61
ii) No. of filter points shallow tubewells to be sunk in Nos.		62
iii) Area to be stabilized in hectcs.		436
iv) Construction of investigation Recharge Tube wells in Nos.		8
v) Construction /replacement of Community tubewells in Nos.		4
vi) Distribution of PVC pipes under subsidy in MTs		2249
<b>e) Actual Physical Achievement (2000-01)</b>	:	
i) No. of medium/deep tube wells to be sunk in Nos.		18
ii) No. of filter points shallow tubewells to be sunk in Nos.		14
iii) Area to be stabilized in hectcs.		114
iv) Construction of investigation Recharge tube wells in Nos.		8
v) Construction/replacement of Community tubewells in Nos.		7
vi) Distribution of PVC pipes under Subsidy in MTs.		1458
<b>f) Anticipated Physical Achievement (2001-02)</b>	:	
i) No. of medium/deep tube wells to be sunk in Nos.		20
ii) No. of filter points shallow tubewells to be sunk in Nos.		20
iii) Area to be stabilised in hectcs.		115
iv) Construction of investigation Recharge Tube wells in Nos.		8
v) Construction/replacement of Community tubewells in Nos.		7
vi) Distribution of PVC pipes under Subsidy in MTs		800
vii) Subsidy assistance to water users Associations at Rs.400 per hectare for maintenance and management of irrigation and drainage structures in Pondicherry & Karaikal regions.		
<b>4. Proposed Outlay for the Tenth Plan 2002-07</b>	:	1700.00
<b>Proposed Outlay for the Annaul Plan 2002-03</b>	:	100.00
<b>5. Programme envisaged for the Tenth Plan (2002-07):</b>		
i) Desilting/construction of percolation ponds/ Public and		200

temple tanks in nos.	
ii) Construction of Bed/Check Dams across Small streams in Nos.	50
iii) Construction of Roof Top Rain Harvesting Structures in Government Building in Nos.	160
iv) Renovation of Dug Wells/Dug cum-Bore wells for artificial recharge of groundwater in Farmers wells in Nos.	2000
v) Construction of Rain Water Harvesting Structure like mini lakes, ponds and Temple & private tanks in Karaikal region in Nos.	5
vi) Construction of Farm Ponds in farmers field (by extending cent percent assistance) in Nos.	100
vii) On Farm Development Work Execution in Hects.	1000

#### **6. Programme envisaged for the Annual Plan (2002-03):**

i) Desilting/construction of percolation ponds/ Public and temple tanks in nos.	40
ii) Construction of Bed/Check Dams across Small streams in Nos.	10
iii) Construction of Roof Top Rain Harvesting Structures in Government Building in Nos.	30
iv) Renovation of Dug Wells/Dug cum-Bore wells for artificial recharge of groundwater in Farmers wells in Nos.	300
v) Construction of Rain Water Harvesting Structure like mini lakes, ponds and Temple & private tanks in Karaikal region in Nos.	1
vi) Construction of Farm Ponds in farmers field (by extending cent percent assistance) in Nos.	20
vii) On Farm Development Work Execution in Hects.	200

#### **7. Remarks : Continuing Scheme.**

During the Ninth Plan the underground pipelining works and reclamation of problem soils are carried out to the scheduled caste farmers under soil and water conservation sector.

During Tenth Plan these programmes will be carried out under Minor Irrigation sector by merging the soil and water conservation scheme with Minor Irrigation sector.

During Tenth Plan, water conservation programme will be undertaken in the scheduled caste farmers holdings by undertaking under ground pipelining works. Construction of ponds in the colonies of SC farmers and Renovation of dug wells and dug-cum-bore wells in SC farmers holdings will be given priority.

## EXISTING SUBSIDY

- (i) Payment of subsidy for undertaking underground pipelining works 75% subsidy to general farmers and at 100% subsidy to SC farmers subject to a maximum of Rs.30,000 per individual.
- (ii) Payment of subsidy for the distribution of micro irrigation system like drip/sprinkler etc., through PASIC at 90% of the total cost or Rs.25,000 per hect. Whichwver is less for small and marginal farmers, SC/ST and women farmers and at 70% of the total cost or Rs.25,000 per ha. whichever is less for other farmers/institutions.

## REVISED SUBSIDY

Payment of 50% subsidy to farmers of the purchase of PVC casing pipes from PASIC for construction of tubewells with the approval of the Department subject to a maximum of Rs.1.00 lakh per tubewell per individual

## NEW PATTERN OF ASSISTANCE

- (i) Assistance for constructing roof top rain water harvesting structure for harvesting rain water and recharging ground water to individuals/industries/private institutions/industries/ private institutions @ 75% subsidy subject to a maximum of Rs.20,000 per individual per building
- (ii) Assistance to farmers for construction/renovation of dugwells/dug cum borewells at 75% subsidy subject to a maximum of Rs.15,000 per individual/structure.
- (iii) Undertaking on farm development works like construction/re-construction of irrigation and drainage channels/bed dams/thrashing floors etc and formation of farm roads in the farmers fields through water users Association at 100% subsidy.
- (iv) Subsidy assistance to water users Associations at Rs.400 per hectare for maintenance and management of irrigation and drainage structures.
- (v) Payment of 50% subsidy to farmers for installation of submersible pukpsets purchased from M/s. PASIC subject to a maximum of Rs.20,000 per tubewell per individual.

### 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 standardizing 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 salivation with a consequent augmentation in crop yield. The existing river and diversion structures, regulators and supply channel have become obsolete and inadequate to meet the present day requirements. Hence, the need to rehabilitate the tanks. It is therefore proposed to take up three tanks in 2000-2001 and 13 tanks during 2001-2002 for which an outlay of Rs.1.00 crore.

	(Rs. in lakh)
<b>3. Ninth Plan 1997-02</b>	:
	:
a) 1997 – 2000 (Actual expenditure)	: 996.95
b) 2000 – 2001 (Actual expenditure)	: 387.82
c) 2001 – 2002 (Revised Outlay)	: 642.30

### d) Actual Physical Achievement (1997 – 2000) :

- i) The inspection track for Bahour tank for a length of 3.2 km.
- ii) Two Nos. of sluices were reconstructed.
- iii) The western bund of Bahour tank strengthened by providing revetment.
- iv) Inspection track for Kirumambakkam tank bund leading from RC 2 Nagappanoor, Pondicherry.

### e) Actual Physical Achievement (2000 – 01) :

(Ha.330) Sl. No. 1 to 5

- i) Forming approach road from Thanikuppam main road.
- ii) Reconstruction of damaged sluice in Bahour tank.
- iii) Modernisation of Korkadu tank.
- iv) Impts. to Oussudu tank.
- v) Strengthening the scored portion of Murungapakkam tank.
- vi) Construction of tank at Valathamangalam 1 Ha. in Karaikal.
- vii) Construction of drain in French channel to Dhobi tank at Yanam.
- viii) Protecting the left bank of Adivipolam channel in weaker point from Pump house to Seetharaman Nagar at Yanam.

### f) Anticipated Physical Achievement (2001 – 02) :

(330 Ha.) Sl.No.(i) to (v)

- i) Impts. to Oussudu tank and Bahour tank.
- ii) Standardisation of Kanaganeri for recharging ground water in Oulgaret Municipality, Pondy.
- iii) Impts. to the launching apron, Oussudu tank surplus course, Pathukannu, Pondy.
- iv) Forming of Mini lake at Chettikottagam.
- v) Kurumbaharam and Ponbethy.
- vi) 5 Nos. of Luscar, 286 Nos. of Mazdoor and 10 Nos. Watchman posts.

4. **Proposed Outlay for the Tenth Plan 2002-07** : 2690.00  
**Proposed Outlay for the Annual Plan 2002 – 03** : 655.00

**5. Programme envisaged for the Tenth Plan (2002-07) :**

Desilting and improvements to various tanks; acquisition of land for improving water at Arasalar near Melaoduthurai , Formation of mini lakes, removal of shoal in various rivers. Creation of Group ‘D’ posts - 400 Nos.

**6. Programme envisaged for the Annual Plan (2002-03) :**

- i) Standardisation of Olandai tank and Kanaganeri tank for recharging the ground water in Pondicherry.
- ii) Impts. to the Launching apron at Oussudu tank surplus course at Pathukannu, Pondicherry.
- iii) Desilting of Bahour surplus course upto Pannithittu regulator, Pondicherry.
- iv) Protecting the Vadanur tank bund along the road side from P.S. Palayam to Vadanur in Pondicherry.
- v) Desilting of bed of Kunichempet Pazhaeri in Pondicherry.
- vi) Desilting of Korkadu tank, Archivak tank and Manapet tank in Pondicherry.
- vii) Impts. to inspection track of Pannayadikuppam tank in Pondicherry.
- viii) Formation of mini lake at Chettikottagam at Thennangudy village in Thirunallar commune.
- ix) Acquisition of land for impounding water at Arasalar near Melaoduthurai.
- x) Acquisition of lands for the formation of mini lake in Ponbethy revenue village in Nedungadu commune.
- xi) Formation of Mini lake in Kurumbagaram village in Nedungadu commune.
- xii) Removal of shoal in river Vanjiar Padugai from Lingathady regulator to Melakasakudy regulator in Nedungadu commune.
- xiii) Removal of shoal of river Vanjiar Padugai from Melakasakudy regulator to Serumavilangai RB in Nedungadu commune.
- xiv) Removal of shoal of river Vanjiar padugai from Serumavilangai bridge to Agaramangudy regulator in Nedungadu commune.
- xv) Removal of shoal river Vanjiar padugai above Agaramangudy regulator in Nedungadu commune.
- xvi) Strengthening of Division.

**7. 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 regarded in order to ensure optimum utilization 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 channel is to be regarded and re-sectioning the weak bunds are to be strengthened. As this canal traverses through deep cutting bank slippages are to be attended every year.

(Rs. in lakh)

## 3. Ninth Plan 1997 – 02 : 406.00

a) 1997 – 2000 (Actual expenditure)	: 269.70
b) 2000 – 2001 (Actual expenditure)	: 133.14
c) 2001 – 2002 (Revised Outlay)	: 109.70

### d) Actual Physical Achievement (1997 – 2000) :

- i) Forming an approach road on the R.D. of Authuvoikal from road to Archivak tank inlet in T.N. Palayam, Pondicherry.
- ii) Providing approach road on the left bank of Kuddapakkam feeding channel at Embalam village in Pondicherry.
- iii) The Bangaru channel feeding Bahour tank is provided with revetment in Pondicherry.
- iv) Impts. to Thirukanchi feeder canal (length-2.30 kms).
- v) Impts. to various secondary feeder canal of Sitheri System (Length-13 kms).
- vi) Constn. of 12 vent regulator across Authuvoikal of T.N.Palayam in Pondicherry.
- vii) Desilting of various secondary feeder channel of Vikaravandi system(length 15km.)
- viii) Standardisation of Vodakalation voikal in T.R.Pattinam.
- ix) Improvements to Nanthinnavoikal in Neravy commune.
- x) Protecting the LB & RB of Pologam drainage channel.
- xi) Impts. to Pillaimuzhungi channel in Thirunallar commune.
- xii) Diversion of Vannan vadigal confluence point from upstream size of the tail end regulator at Thirumalairajanar in Karaikal.

### e) Actual Physical Achievement (2000 – 01) :

- i) Impts. to Thirukanji feeding channel
- ii) Impts. to feeding channel authuvoikal of Archivak tank.
- iii) Reconstruction of Perambai madagu in Oussudu tank.
- iv) Impts. to Oussudu tank.
- v) Widening the road junction near Mariamman koil regulator in Bahour.
- vi) Impts. to Oduthurai channel from Manjavelipet to Nagore road in Karaikal.
- vii) Modernisation of Nakkala drain from Muduthumulu to Coringa river in Yanam.

- viii) Providing revetment to the drainage channel from Muduthumulu to Ganapathi Nagar, Yanam.
- ix) Protecting the left bank of Adivipolam channel from Seetharama Nagar to 6.50 Kms. in Yanam.

**f) Anticipated Physical Achievement (2001 – 02) :**

- i) Impts. to feeding channel (Authuvoikal of Archivak tank) in Pondicherry.
- ii) Reconstruction of two culverts across the supply cum drainage channel offtaking from Vettumadagu of Bahour tank at Soriankuppam village in Bahour commune, Pondicherry.
- iii) Impts. to Bangaru channel from ch.12.275 km. to 13.160km in Bahour commune.
- iv) Constn. Of check dams across south Pambaiyar river at Silkaripalayam and Sanyasikuppam in Mannadipet commune in Pondicherry.
- v) Impts. to Nettareppakkam & Pandasozhanallur tank feeding channel.
- vi) Balance work of revetment to Nakkala drain.
- vii) Revetment on both sides on Isakalava rear side of Dommetipet habrted area portion.
- viii) Culvert on Mettacuru road at Ambedhkar Nagar.
- ix) Standardisation of both banks of Athiady channel from H/s to grand canal in Kottucherry commune I, II & III Reaches.
- x) Improvement to diversion of Sanyasi vadigal in Karikal.
- xi) Improvement to Accaravattam channel – II reach.
- xii) Protecting the banks of Sippi voikal from offtake point to sippi voikal escape channel.
- xiii) Diversion of Nelli voikal near tailend regulator at Medaoduthurai.

**4. Proposed Outlay for the Tenth Plan 2002 – 07 : 720.00**  
**Proposed Outlay for the Annual Plan 2002 – 03 : 140.00**

**5. Programme envisaged for the Tenth Plan (2002-07) :**

Development and desilting main and secondary feeder channels in various places.

**6. Programme envisaged for the Annual Plan (2002-03) :**

- i) Impts. to Bangaru channel from ch.12.275 km to 13.160km. in Bahour commune, Pondicherry.
- ii) Constn. Of check dam across south Pambaiyar river at Silkaripalayam and Sanyasikuppam in Mannadipet commune in Pondicherry region.
- iii) Impts. to Nettareppakkam & Pandasozhanallur tank feeding channel Pondicherry.
- iv) Impts. to Suthukeny anicut Pondicherry.
- v) Impts. to Pillayarkuppam anicut Pondicherry.
- vi) Impts. to various secondary feeder canal of Vikkaravandy system.
- vii) Protecting Thirukanji feeding chl and forming inspection track from Uruvayar culvert to Kizhagaraharam tank road Pondicherry.

- viii) Constn. Of check dam across Guduvaiyar near Abisegapakkam – Thirukanji road culvert Pondicherry.
- ix) Balance work of revetment on both sides of Isakalava at Dommetipeta.
- x) Providing by revetment of drainage channel at Dariyalathippa from main to Gurempeta flood bank.
- xi) Standardisation of both banks of Athiady channel from H/S to Grand canal in Kottucherry Commune I reach.
- xii) Improvements to Irravelly kanni from H/S to Grand canal in Kottucherrycommune.
- xiii) Improvements to Mullipalam channel left out portion in Nedungadu commune.
- xiv) Improvements to Senthilary channel from offtake point to infall point in Nedungadu commune.
- xv) Lining and Impts. to Thalatheru North chanel in Thalatheru village in Karaikal North.
- xvi) Lining and Impts. of Thalatheru South chanel in Thalatheru village in Karaikal South.
- xvii) Impts. and diversion of Sanniyasi vadigal in T.R.Pattinam.
- xviii) Protecting the bank of Sippi voikal from offtake point to Sippi voikal escape in Neravy.
- xix) Impts. and diversion of Accaravattam channel in Karaikal, II Reach.
- xx) Impts. to the Karuvaladi voikal below ONGC Godown in Nadkalampet village I reach.
- xxi) Impts. to the Thillaikarasi kanni in Nedukalampet village, II reach.
- xxii) Impts. to the Kokkutteri chanel from offtake to Polagam road culvert.
- xxiii) Impts. to the Karuvattu voikal in TR. Pattinam commune, I reach road culver to carvoikal and Therkuveli H/S I, II and III reaches.
- xxiv) Protecting the LB and RB of Pattinam channel from Thittacherry
- xxv) Construction of 3 bed dam with shuttering arrangements and common retaining wall for Pathakudy and Valathamangalam channel.
- xxvi) Diversion of Nelli voikal at infall point near tail end regulator at Melaoduthurai in Karaikal (Acquisition of land).
- xxvii) Impts. to Subbarayapuram pai voikal in Thirunallar commune.
- xxviii) Providing shuttering arrangements and forming common bank for Pathakudy channel and Valathamangalam drainage in Thirunallar commune, Karaikal.
- xxix) Lining the Sethur Keezhaveli channel in Thirunallar commune.
- xxx) Impts. to Pathakudy channel from H/S to Valathamangalam road culvert in Thirunallar commune.
- xxxii) Impts. to Nallazhundur channel from H/S to Ambagarathur road culvert in Thirunallar commune.
- xxxiii) Impts. to Poomulaiyanmangalam channel from offtake point to infall point in Thirunallar commune.Impts. to Sethur channel in reaches in Thirunallar commune.
- xxxiiii) Impts. to Madur channel in reaches in Thirunallar commune.
- xxxv) Reconstruction of Patchur regulator patchur village in Karaikal region.
- xxxvi) Impts. to Serumavilangai vadigal at Serumavilangai village.
- xxxvii) Impts. to Keezhaveli voikal in Karaikal.

## 7. Remarks

: Continuing scheme.

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 regarding 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.

(Rs. in lakh)

**3. Ninth Plan 1997 – 02** : 420.00

**a) 1997 – 2000 (Actual expenditure)** : 57.03

**b) 2000 – 2001 (Actual expenditure)** : 38.11

**c) 2001 – 2002 (Revised Outlay)** : 65.00

**d) Actual Physical Achievement (1997 – 2000)** :

- i) The supply channel for the Nallur tank is redesigned and reconstructed.
- ii) 20% lining strengthening of adivipolam channel was carried out.
- iii) Modernisation of Nakkalar drain in Adivipolam area in Yanam.
- iv) Impts. to drainage channel from causeway point to Lankathura Kanagalapetta in Yanam.
- v) Providing inspection track adjacent to French channel road from straw board to Bheemanagar in Yanam.
- vi) Desilting of various supply channels offtaking from various tanks for a length of 30kms. were completed.

**e) Actual Physical Achievement (2000 – 01)** :

- i) Resectioning & Regrading of Koodapakkam Athu voikal
- ii) Resectioning & Regrading the vadigal from Irulanchandai thangal surplus.
- iii) Resect. & Regrading the Seliamedu supply channel.
- iv) Construction of tubewell at Sornavur control room.

**f) Anticipated Physical Achievement (2001 – 02)** :

- i) Impts. to Oulgaret Mettu voikal channel 4430 mts. to 5330mts. in Pondy.
- ii) Providing revetment to channels at various places (less than 5 lakh) at Pondy.

4. **Proposed Outlay for the Tenth Plan 2002 – 07** : 700.00  
**Proposed Outlay for the Annual Plan 2002 – 03** : 80.00

5. **Programme envisaged for the Tenth Plan (2002-07) :**

Lining and improvements to various vaikals and Channels

6. **Programme envisaged for the Annual Plan (2002-03) :**

- i) Impts. to Oulgaret Mettu voikal ch.4430m to 5330 m. in Pondicherry.
- ii) Providing revetment at various channels in Mannadipet commune.
- iii) Providing lining to the supply channel of Chettipet tank.
- iv) Providing lining to the Vidur voikal from Mailam road upto Suthukeny Aqueduct.
- v) Lining to the supply of channel of Alankuppam tank.
- vi) Protecting the bank of Suthukeny channel from offtake point to Oussuteri infall.
- vii) Lining to the supply channel of Kariamannickam and Molapakkam tank.
- viii) Impts. to Bangaru channel D/S of Kaduvanur tank.
- ix) Impts. to Sitheri channel.
- x) Construction of tail end regulator across south Pambaiyar on the upstream side confluence point of Pambaiyar and Sankaraparani river, Pondicherry.

7. **Remarks** : Continuing scheme.

**Scheme No. 5**

Sector : MINOR IRRIGATION

Implementing

Department : PUBLIC WORKS

1. **Name of the Scheme** : Survey & Investigation

2. **Objective of the Scheme** :

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

(Rs. in lakh)

3. **Ninth Plan 1997 – 02** : 70.00

a) **1997 – 2000 (Actual expenditure)** : 0.02

b) **2000 – 2001 (Actual expenditure)** : 0.50

c) **2001 – 2002 (Revised Outlay)** : 3.50

d) **Actual Physical Achievement (1997 – 2000)** :

- i) Survey conducted for preparation of estimates for Bahour tank..

ii) Constn. of barrage across Sankaraparani river near Villianur.

**e) Actual Physical Achievement (2000 – 01) :**

Surveying and leveling operation for the investigation work of artificial recharging project.

**f) Anticipated Physical Achievement (2001 – 02) :**

1. Soil investigation work at Silkaripalayam and Sanniyasikuppam.
2. Supply of survey stones for II batch of tanks under Sub-Division.

**4. Proposed Outlay for the Tenth Plan 2002 – 07 : 40.00**  
**Proposed Outlay for the Annual Plan 2002 – 03 : 5.00**

**5. Programme envisaged for the Tenth Plan (2002-07) :**

Surveying and leveling operation for the investigation work of artificial recharging project.

**6. Programme envisaged for the Annual Plan (2002-03) :**

Surveying and leveling operation for the investigation work of artificial recharging project.

**7. Remarks : Continuing scheme.**

**Scheme No. 6**

Sector : MINOR IRRIGATION      Implementing  
Department : PUBLIC WORKS

**1. Name of the Scheme : Machinery & Equipments**

**2. Objective of the Scheme :**

Purchase of Machinery and equipments are required for desilting, removal of shoals and conveyance of earth in Pondicherry and removal of shoals in Karaikal. The main equipments required are Tippers, JCB excavators cum loaders, Tractors and bulldozers etc., for Pondicherry and Karaikal regions for desilting of rivers and Irrigation channels.

(Rs. in lakh)

**3. Ninth Plan 1997 – 02 : 100.00**

**a) 1997 – 2000 (Actual expenditure) : 24.82**

**b) 2000 – 2001 (Actual expenditure) : 22.21**



- c) **2001 – 2002 (Revised Outlay)** : 40.50
- d) **Actual Physical Achievement (1997 – 2000)** :
- i) Two Jeeps were purchased for Pondicherry region.
  - ii) One Jeep was purchased for Karaikal region.
- e) **Actual Physical Achievement (2000 – 01)** :
- i) Replacement of wireless system of Irrigation Division, Pondy.
  - ii) Purchase of Armada jeep for Pondicherry.
  - iii) Replacement of engine for scraper for Pondicherry.
  - iv) Purchase of new Mahindra Marshal for Karaikal.
  - v) Purchase of new Mahindra Commandor for Karaikal.
- f) **Anticipated Physical Achievement (2001 – 02)** :
- i) Purchase of one mini excavator for Pondicherry.
  - ii) Procurement of Tractor dozer for Irrigation Division, Pondicherry.
  - iii) Purchase of one number of mini Tipper for Pondicherry.
  - iv) Purchase of Toyota Qualis – 2 Nos for Karaikal.
  - v) Purchase of One Armada Jeep.
  - vi) Replacement of engine for Scrapper.
4. **Proposed Outlay for the Tenth Plan 2002 – 07** : 250.00  
**Proposed Outlay for the Annual Plan 2002 – 03** : 40.00
5. **Programme envisaged for the Tenth Plan (2002-07):**
- Purchase of Tractor, Tipper, Bulldozer, Excavator and other leveling equipments with accessories.
6. **Programme envisaged for the Annual Plan (2002-03):**
- i) Purchase of Tractor with Water Tank attached with Oil Tank for cleaning the various urban drains. (2 Nos.)
  - ii) Purchase of Tipper.
  - iii) Purchase of L&T Excavator 90.
  - iv) Purchase of Mini Bulldozer.
  - v) Purchase of 2 Nos. of NA 28 leveling instrument with accessories.
  - vi) Purchase of 2 Nos. of Godrej typewriter.
7. **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.

	(Rs. in lakh)
3. <b>Ninth Plan 1997 – 02</b>	: --
a) <b>1997 – 2000 (Actual expenditure)</b>	: --
b) <b>2000 – 2001 (Actual expenditure)</b>	: --
c) <b>2001 – 2002 (Revised Outlay)</b>	: 110.00
d) <b>Actual Physical Achievement (1997 – 2000)</b>	: --
e) <b>Actual Physical Achievement (2000 – 01)</b>	: --
f) <b>Anticipated Physical Achievement (2001 – 02):</b>	

To create more ponds in Pondicherry, Karaikal and Yanam regions in order to increase the ground water potential. Mini lakes at Chettikottagam, Nallambal in Karaikal region and at Yanam is proposed to be created. To construct mini/check dams across the rivers at Pondicherry, Karaikal and Yanam regions.

4. **Proposed Outlay for the Tenth Plan 2002 – 07** : 1000.00  
**Proposed Outlay for the Annual Plan 2002 – 03** : 150.00

5. **Programme envisaged for the Tenth Plan (2002-07):**

Construction of bed dams, strengthening of banks and creation of more ponds in order to increase ground water potential. Mini lakes will be created.

6. **Programme envisaged for the Annual Plan (2002-03) :**

- i) Construction of bed dam across Pennaiyar at Sitheri in Bahour Commune Panchayat, Pondicherry.
- ii) Resectioning and regarding the Bahour surplus below Muttrampet regulator upto Semmankottai and from Semmankottai regulator to Pannithittu regulator including the construction of recharging wells at various places.
- iii) Stregthening the banks of Guduvaiyar and providing recharging borewells at various places including strengthening of the existing bed dams.
- iv) To create more ponds in Pondicherry, Karaikal and Yanam regions in order to increase the ground water potential. Mini lakes at Chettikottagam, Nallambal in Karaikal region and at Yanam is proposed to be created. To construct mini/check dams across the rivers at Pondicherry, Karaikal and Yanam regions.

7. **Remarks** : Continuing scheme.