

FLOOD CONTROL

Pondicherry region being a flat country, there are no storage reservoirs in the region which would otherwise serve as flood moderators. There is a ridge of high land running along the northern and northwestern fringe of the urban area of Pondicherry with average elevation of 35.40m above MSL which brings flash floods during high intensity rains through the ravines emanating from these high lands. These flash floods submerges the entire urban and sub urban residential areas over a radius of 6.50 Km. In the rural areas, raise of flood levels in the rivers, overflowing minor irrigation tanks, canals and drains cause inundation of vast area of agricultural lands in addition to disrupting traffic thorough fares.

26 Km long coast line of the Union Territory is subjected to disturbance in its natural equilibrium due to absence of natural defence against sea erosion normally provided by adequate sandy beach. Rock revetments have been provided in the urban coast line during the 8th Plan and 9th Plan over a length of 6.40 Km. As is known, protection one stretch leads to erosion at the other. Because of this phenomenon 12 Km long coast line in Pondicherry is now badly hit calling for immediate protection.

It is proposed to strengthen vulnerable banks of rivers/tanks/channels, construction of tail end regulators to moderate floods, Desilt/deepen tanks and ponds to absorb floods, construction of new surface drains and locate new outfall points, combat sea erosion to protect life and property on the coast.

OUTLAY AT A GLANCE

Sector : FLOOD CONTROL

No. of Schemes : 4

Department : PUBLIC WORKS

(Rs. in lakh)

Tenth Plan 2002-07 Approved Outlay	:	2180.00
Annual Plan 2002-03 Actual Expenditure	:	1212.11
Annual Plan 2003-04 Approved Outlay	:	1090.00
Annual Plan 2003-04 Revised Outlay	:	1090.00
Annual Plan 2004-05 Proposed Outlay	:	2181.00

(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)
1.	Drainage Scheme	199.34	160.00	214.54	475.20
2.	Embankment Scheme	559.92	630.00	633.76	1400.48
3.	Improvements to Drainage Channel	452.85	299.99	241.69	305.31
4.	Study on Sea-Wave Dynamics in Pondicherry	--	0.01	0.01	0.01
Total		1212.11	1090.00	1090.00	2181.00

Scheme No. 1

Sector : FLOOD CONTROL

Implementing Department : PUBLIC WORKS

1. **Name of the Scheme** : Drainage Scheme

2. **Objective of the Scheme** :

The scheme is mainly for improvements to various surface drainage carriers by way of lining the existing canals, construction of 'U' drains and cross masonry structures, culverts, etc. Further, most of the urban drainage channels have to be protected with lining from Offtake point to infall point. The drainage system have to be properly protected and strengthened to avoid submerge of the residential areas during the rainy season.

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

- i. Construction of masonry drain with two culverts in Pallavaikkal between ECR culvert and point care road culvert.
- ii. Construction of masonry drain at Pallavaikkal between
- iii. ECR culvert upto Anitha Nagar.
- iv. Raising the road portion including constn. Of drain and easing the cross roads at Anitha Nagar.
- v. Construction of 6 Nos.of culvert across Anitha nagar drain.
- vi. Construction of foot bridge across Karuvadikuppam drain.
- vii. Removal of accumulated earth from Venus theatre culvert to Ambiga theatre culvert.
- viii. Construction of drainage canal from Shanmugapuram to Valudavur salai to Annai street.
- ix. Desilting the Uppar drain from ch.200 upto Balaji theatre bridge.
- x. Improvements to Muruganoolkadam in Vizhidiyur village.
- xi. Re-construction of damaged culvert at Akkaraivattam village in Karaikal.
- xii. Improvements and diversion of Sanniyasi vadigal in Neravy village.

(b) Anticipated Physical Achievement 2003-04 :

- i. Removing the accumulated earth in Karuvadikuppam drain from venus theatre culvert to Ambiga theatre culver at Lawspet road, Pondy.
- ii. Construction of 6nos. Of culvert across Anitha nagar drain at six cross st. in Mudaliarpet, Pondy.
- iii. Construction of foot bridge across Karuvadikuppam drain connecting VI cross of Sankaradoss swamigal nagar Vcross of Vasantham Nagar.
- iv. Desilting the Subbaiah salai drain from railway station compound wall to uppar drain in Pondy.
- v. Construction of masonry drain in Karupatti chl from NH45A.
- vi. Desilting the bed of south pambaiyar silkaripalyam check.
- vii. Desilting the oulgaret Mettuvoikal from muthirapalayam pumping station upto NH 45A road near Jaya Nagar Pondy.
- viii. Reactivating the oulgaret pallavoikal from Gundusalai road culvert upto NH45A road crossing near Jaya Nagar.
- ix. Providing pavement for grand canal from Subbiah salai D/S side in Pondy (ch.0 to 225m)

- x. Providing pavement for grand canal from Subbiah salai D/S side in Pondy (ch. 225m to 518m)
- xi. P/L flooring concrete for damaged floor for drain portion on the eastern side of grand canal between bazar st lawrence st to Subbiah salai.
- xii. P/L flooring concrete for damaged floor for drain portion on the western side of grand canal between bazar st lawrence st to Subbiah salai.
- xiii. Urgent repairs to grand canal between bazar st lawrence st to subbiah salai and left portion.
- xiv. Desilting the Saram drain from ECR junction upto infall point in Gorimedu drain near Brindavanam.
- xv. Laying cement concrete road on RB of Shanmugapuram road culvert in Pondy.
- xvi. Removal of shoal at Chunnambar below Cuddalore road bridge in Ariyankuppam commune, Pondy.
- xvii. Desilting the uppar drain between Newtone theatre bridge downstream upto Vanarapet bridge in Pondicherry.
- xviii. Impts. to the confluence point of grand canal.
- xix. Providing parapet wall with pre cost jali work.
- xx. Urgent repairs to the revetment on both side of grand canal from culvert at rear side of sports complex to confluence point at Dubrayapet.
- xxi. Relaying the flooring the grand canal at confluence point.
- xxii. Urgent repairs to the portion on the easter side of grand canal.
- xxiii. Filling and levelling the right bank of grand canal at confluence point.
- xxiv. Improvements to the existing damaged pavement at open portions of grand canal from Aurobindo street confluence point at Duprayapet in Pondicherry.
- xxv. Construction of RCC hume pipe drain parallel to railway line from RC 2 Cuddalore road to Uppar drain in Pondy.
- xxvi. Construction of drain crossing railway yard from Northern compound wall to railway track in pondy.
- xxvii. Improvements to drainage channel @ sulthanpet, Pondy.
- xxviii. Improvements to Thelarshpet drain near infal point at Kanaganeri, Pondy.
- xxix. Construction of masonry drain from Engineer's colony to pallavaikal in olandai supply channel in Pondy.
- xxx. Improvements to Irrigation channel from villianur, Manavelly to Takkakuttai, Pondy.
- xxxi. Construction of masonry drain from Mohamadiya nagar @ Sultanpet upto to the junction of NH45A in Pondy.
- xxxii. Forming Inspection path and construction of masonry drain in the left cut portion @ subbaiya nagar in Pondicherry.
- xxxiii. Linking the channel running opposite to petrol bunk @ Ariyankuppam toll gate, Pondy.
- xxxiv. Improvements to Krishna Nagar drain in Pondy.
- xxxv. Construction of masonry drain in Oulgaret Pallavaikal from Pitchaveerampet to Jaya Nagar, Pondiherry.
- xxxvi. Construction of 2 slab culvert at Moogambigai nagar, Pondicherry.
- xxxvii. Construction of masonry drain at Pallavaikkal between ECR culvert upto Anitha Nagar.
- xxxviii. Providing covering slab to the existing masonry drain at Anitha Nagar & Mariamman Nagar.
- xxxix. Desilting surplus course of Oussudu tank.
- xl. Re-construction of damaged culvert at Akkaraivattam village in Karaikal.
- xli. Improvements to Pinnanthinni vadigal from Pattinachery road to infall point in T.R. Pattinam.

- xlii. Providing drainage facilities to the Neravy channel near Kavundatheru culvert in Neravy.
- xlili. Protecting the Right Bank of river Arasalar at Agalancannu above reservoir in Vizhidiyur village, Karaikal.
- xliv. Improvements to Kuthiraikutti channel in Nedungadu Commune, Karaikal Ch 7650m to 9190m.
- xlv. Re-construction of Head Sluice wall Subrayapuram Paigal at drainage channel in Vanjiar above Lingathady regulator in Nedungadu Commune.
- xlvi. Providing common retaining wall for Ammai voikal and proposed drainage channels from Ch. 4610m to 4950m in Neivachery.
- xlvii. Construction of 2 Nos. of foot bridge across river Noolar in Patchoor village.
- xlviii. Construction of foot bridge across river Vanjiar near Meerapalli Thottam at Kaziar Street, Karaikal.
- xlix. Improvements to Subrayapuram pai Voikal in Karaikal.
- l. Construction of foot bridge across Vanjiar for making approach to Uthirangudy village in Thirunallar.

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

- i. Conversion of Grand canal into recreational navigable canal. (New work) (Rs.7.00 Crores)
- ii. Construction of masonry drain from Olandai tank to Marapalam.(New work). (Rs.1.00 Crore)
- iii. Comprehensive improvement including dredging the drainage channel from Marapalam to New Port including forming flood bank near Nehru nagar. (New work) (Rs.1.00 Crore)
- iv. Improvements to various drainage channels.
- v. Construction of masonry drains.
- vi. Improvements to Irrigation channels.
- vii. Forming Inspection paths.
- viii. Desilting surplus courses of various tanks.
- ix. Construction of culverts.
- x. Construction of foot bridges across various rivers.
- xi. Improvements to various vadigals and vaikals.
- xii. Providing drainage facilities to various places.

4. Remarks : Continuing scheme

Scheme No. 2

Sector : FLOOD CONTROL

Implementing Department : PUBLIC WORKS

1. Name of the Scheme : Embankment Scheme

2. Objective of the Scheme :

This scheme is mainly intended for protection of banks of rivers and channels to avoid flood erosion and to protect the fields from inundation by construction of retaining walls, revetments, side drains, masonry drains, protection walls, footbridges, culverts, causeways, flood regulators and bridges.

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

- i. Strengthen the LB of Bangaru channel ch.3556 to 3736.
- ii. Construction of retaining wall on the outer top of Nettareppakkam tank.
- iii. Construction of protection wall on the RB of Karuvadikuppam drain.
- iv. Improvements to the inspection path on the RB of Bangaru channel.
- v. R & R the Korkadu Feeding channel offtake point to infall of Korkadu.
- vi. Protecting the eroded RB & LB of Sankaraparani river.
- vii. Forming & construction of side drain road in Shanmugapuram vellavari.
- viii. Providing revetment to Oulgaret mettuvoikal.
- ix. Construction of masonry drain from Muthialpet ravine bridge.
- x. Construction of cement concrete lining road in the ravine at Shanmugapuram.
- xi. Construction of protection wall in Mettupalayam voikal.
- xii. Construction of protection work to the Iyyanar koil drain.
- xiii. Construction of masonry drain in Karupatti channel.
- xiv. Clearing the jungle in the bed of Sankaraparani river.
- xv. Desilting the Malatar river from DS at Kumaramangalam regulator.
- xvi. Construction of foot bridge across Uppar drain.
- xvii. Desilting the river Guduvayar from Mangalam anicut.
- xviii. Improvements to Anayarangam channel at Agaramangudy village in reaches Head Sluice to Sorakudy road 0m to 1100m.
- xix. Improvements to inspection track on the Left Bank of Nandalar from Nallathur to Kuthiraikutti channel Head Sluice in Nedungadu Commune.
- xx. Construction of culvert across Pandaravadai voikal Head Sluice at Karukkangudy village in Thirunallar.
- xxi. Improvements to the Serumavilangai voikal in Thirunallar voikal in Thirunallar commune in Karaikal.
- xxii. Improvements to the Poomulayanamangalam channel from Nalan Kulam to Ambagarathur Main Road in Karaikal.
- xxiii. Improvements to T.R. Pattinam channel in Karaikal.
- xxiv. Protecting and strengthening the Left Bank of Thirumalairajanar river below Nagore Road Bridge in Karaikal.
- xxv. Strengthening the banks of Arasalar river from Athipadugai to Agalancannu bed dam in Karaikal.
- xxvi. Protecting and raising the Left Bank of river Arasalar near Puduthurai village in Karaikal.
- xxvii. Improvements to Grand canal at discharge point and providing link road across grand canal.
- xxviii. Construction of drain and culvert near Poleramma temple at New Bus stand in Yanam.
- xxix. Protecting the Earthern ring bund around Gurempeta village in Yanam.
- xxx. Providing revetment to inner side of Savithri Nagar Ring bund at Yanam.
- xxxi. Construction of flood regulator on the Ring bund at Iyyanna Nagar at Farampeta village in Yanam.
- xxxii. Protecting Coringa river bank at Seethammappeta in Yanam.
- xxxiii. Providing revetment to the drainage channel from Muduthumulu to Ganapathi nagar.

(b) Anticipated Physical Achievement 2003-04 :

- i. Providing revetment to the Kodathur tank feeding channel from off-take point of Vikkaravandy main channel upto the pipe culvert at ch.260mts.

- ii. Construction of protection wall on right bank of Karuvadikuppam drain from Venus theatre culvert to Ambiga theatre culvert, Pondicherry.
- iii. Const.of retaining wall on the outer toe of Nettapakkam in Pondicherry
- iv. Formation and construction of side drain and road in the Shanmugapurak vellavari from Vazhudavur road to Kanaganeri.
- v. Construction of protection side wall at Mettupalayam voikal from Sanarapet to infall point at Shamugapuram Vellavari Pandy.
- vi. Construction of cement concrete lining road in the ravine (Vellavari) at Shanmugapuram southern Bharathipuram upto Vazhudavour road in Pandy.
- vii. Construction of protection side wall at Mettupalayam voika from sanarapet to infall point at Shanmugapuram vellvari Pandy S/W: Construction of culvert at confluence point of Mettupalayam voikal and Shanmugapuram vellavari in Pandy.
- viii. Construction of protection wall in both banks of uppar canal from Vanarapet bridge upto Colas Nagar bridge, Pandy.
- ix. Providing revetment to oulgaret mettuvoikal from NH crossing culvert upto Pon nagar (ch.6267m to 6417m), Pandy.
- x. Urgent protection to the vulnerable portion of Ariankuppam river bund near Ottampoalayam village, Pandy.
- xi. Improvements to the kuttiankuppam channel from Moonumuchi voikal points in various reaches in Pandy S/W: Impts to a kuttiankuppam chl. in the D/S of culvert near Panniyadikuppam tank for a length of 60m in Bahour commune.
- xii. Resectioning & Regrading to the Korkadu feeding chl from offtake to infall of korkadu tank.
- xiii. Constn. of causeway across Bahour tank surplus course connecting Seliamedu and Melazhinjipet road and formation of approach road and protection work to the causeway in Bahour Commune, Pondicherry.
- xiv. Constn. of side drain and lining in Shanmugapuram Vellavari near Mettupalayam Industrial estate, Pandy.
- xv. Protecting the RB and LB of Sankaraparani river below sellipet causeway upto confluence point of Pambai river.
- xvi. Improvements to Sornavour anicut in Villupuram District.
- xvii. Providing revetment to chinna vaikcal and peria vaikcal of seliamedu pet in bahour commune.
- xviii. Forming of inspection track from T.N.Palayam village culvert to Karikalampakkam main road including construction of culvert in Pondicherry.
- xix. Protecting the LB & RB of Nettapakkam feeding channel from regulator road culvert at Nettapakkam in Pondicherry.
- xx. Protecting the left out portion by providing revertment in the Bangaru channel from Sornavour anicut to Karaiambuttur bridge.
- xxi. Construction of barrage with 2 lane road bridge connecting Uruvaiyar and villianur across sankaraparani river in villianur commune.
- xxii. Improvements to the link channel from the confluence point upper drain and grand canal junction) to the dredged canal in Pondicherry.
- xxiii. Construction of toe wall for Kanagaganeri tank,
- xxiv. Construction of causeway across Malator river connecting Nettapakkam and Karaimbuttur (Ranga Reddiarpalayam)
- xxv. Protecting the left out portion by Providing revetment in the Bangaru channel from Kuttiankuppam to Krishnapuram bridge (PhaseIII).
- xxvi. Protection work to the R/B of Sankaraparani river at Sellipet Village.
- xxvii. Protection the eroded RB and LB of Sankaraparani river below Sellipet.
- xxviii. Protecting the bank below Pillaiyarkuppam anicut upto Selljpet causeway.
- xxix. Improvements to the inspection track on the RB of Bangaru channel from Kuttiankuppam bridge to Bahour tank entry point Pondicherry.

- xxx. Construction of masonry drain in Karupati ch from NH45A culvert to Thirukameswarar nagar at Villianur in Pondy.
- xxxi. Cleaning the jungle in the bed of Sankaraparani river from Uruvaiyar causeway D/S in Villianur Pondy.
- xxxii. Clearing the jungle in the left bank and bed of sankaraparani river from NH45A bridge at Ariyalayam towards upstream side upto railway bridge (ch.0m to 2250m) in Villianur Pondy.
- xxxiii. Desilting the bed of south pambaiyar river from Silkari palayam check dam to PS Palayam.
- xxxiv. Improvements to the road along the R.B of Mutrampattu tank feeding channel from Kodukkur road upto vazhudavour road in Manavelly village in Mannadipet Commune, Pondicherry.
- xxxv. Improvements to the inspection path over the Kodathur tank bund and construction of slab culvert across the surplus course of Kodathur tank in Kodathur village.
- xxxvi. Improvements to the approach road from surplus course of vadhanur tank to sompet tank, Pondicherry.
- xxxvii. Construction of a slab culvert across vikkaravandy main channel at ch.8822m in Kunichampattu village in Mannadipet commune, Pondicherry.
- xxxviii. Construction of a slab culvert across vikkaravandy main channel at ch.11150m near chettipattu village in Mannadipet commune, Pondicherry.
- xxxix. Construction of slab culvert across vikkaravandy main channel at ch.11578m near chettipattu village in Mannadipet commune, Pondicherry.
- xl. Protecting the eroded portion in the LB of penaiyar at Aratchikuppam in Bahour Commune.
- xli. Block toping the inspection path on the eastern, northern bund of Bahour tank up to surplus weir.
- xl.ii. Protecting the left out portion of rear side of L.B. of Malatar river from T.N. Palayam village culvert to regulator on the off take point of Abishegapakkam feeding channel.
- xl.iii. Protecting the left out portion of LB of riverside of Malatar river from T.N. Palayam village culvert to regulator off take point of Abishegapakkam feeding channel.
- xl.iv. Construction of pipe culvert on the L.B. of Malatar river from Ch.2770 to 3770m starting from T.N.Palayam Bridge.
- xl.v. Desilting the Malatar river from D/S Kumaramangalam regulator to Cuddalur road Bridge in T.N.Palayam Village.
- xl.vi. Construction of masonry drain in Karupatti chanel from Thirukameswarar Nagar to villianur church including desilting upto infall point in villianur, Pondicherry.
- xl.vii. Construction of retaining wall along the outer toe of northern bund of Kirumambakkam Perieri & chinneri of Kirumambakkam Tank.
- xl.viii. Block toping the inspection path on the northern bund of Kirumampakkam tank in Bahour Commune.
- xl.ix. Providing cart track on the LB of Bahour surplus course from Bahour tank surplus weir to Morattupatarai regulator.
- l. Construction of bridge across Bahour surplus course at Aranganour.
- li. Construction of regulator cum bridge across Malatar river at Kumaramangalam (Land acquisition)
- lii. SubWork:- Construction of culvert across Karupatti chanel @ Ch.3520m in villianur, Pondicherry.
- lii.iii. Construction of masonry drain from NH road 10.4km. villianur to infall point into sankaraparani river, pondicherry.

- liv. Protecting the Korkadu feeding chanel from Pudukuppam school culvert to Korkadu tank inlet regulator, Pondicherry.
- lv. Formation of road from Thanikuppam village to Korkadu tank inlet regulator
- lvi. Impts. to link Channel & Culvert at Thirubuvanai feeding channel.
- lvii. Constn. of retaining wall in Suthukeny from Vazhudavour surplus shutter to Koonimudaku shlter.
- lviii. Providing inspection track on the left bank of Suthukeny Channel from Katterikuppam village to state border.
- lix. Impts. to approach road of vadhanur tank from Vadhanur to Vadhanur tank surplus course.
- lx. Anti sea erosion works.
- lxi. Improvements to road leading to Anandhanallur regulator from Padutharkollai road culvert in T.R. Pattinam.
- lxii. Construction of section office in the Left Bank of Thirumalairajanar near tailend regulator in T.R. Pattinam.
- lxiii. Improvements to the Right Bank of Thirumalairajanar river above tailend regulator.
- lxiv. Improvements to Anayarangam channel at Agaramangudy village in reaches from Sorakudy road to Mahanavadigal.
- lxv. Providing missing link to the road connecting IV Reach of Grand Canal inspection track to Konnakavelly road.
- lxvi. Improvements to Poomulayan mangalam from Nalankulam to Ambagarathur Main Road in Karaikal.
- lxvii. Improvements to Serumavilangai in Thirunallar.
- lxviii. Standardisation of Kalladi at Sethur village in Karaikal.
- lxix. Construction of foot bridge across Noolar near Kumarakudy village in Karaikal.
- lxx. Providing chain link fencing around the PWD land in the Left Bank of Nellivoikal in Thirunallar Commune.
- lxxi. Improvements to T.R. Pattinam channel in Karaikal.
- lxxii. Protecting and strengthening the Left Bank of Thirumalairajanar river below Nagore Road Bridge in Karaikal.
- lxxiii. Providing BT to the Left Bank of Thirumalairajanar below Nagore Road Bridge.
- lxxiv. Providing chain link in the Left Bank of Thirumalairajanar below Nagore Road Bridge near tailend regulator.
- lxxv. Improvements to Vanjore channel near Kothari Chemicals in Karaikal.
- lxxvi. Improvements to the inspection track of Thalatheru channel from Pillaitheruvasal to Porayar road culvert in Karaikal.
- lxxvii. Improvements to the existing road in the Left Bank of Vanjiar from Lingathady regulator to Melakasakudy regulator.
- lxxviii. Strengthening the Arasalar river Bank from Athipadugai to Agalancannu bed dam in Karaikal.
- lxxix. Protecting and raising the Left Bank of Arasalar near Puduthurai village in Karaikal.
- lxxx. Protecting and strengthening the both banks of Noolar (left out portion) from Nallambal regulator to Sethur Road Bridge in Thirunallar Commune.
- lxxxi. Construction of foot bridge across Noolar near Avvaiyarmoolai at Valathamangalam in Thirunallar Commune.
- lxxxii. Improvements to the inspection path of Noolar from Sethur road culvert to Valathamangalam in Thirunallar Commune.
- lxxxiii. Improvements to Grand canal at discharge point and providing link road across Grand canal.

- lxxxiv. Bank protection of Chalakkara channel I reach from Usman road towards west.
- lxxxv. Improvements to Kohinoor channel LB path, Pallor.
- lxxxvi. Bank protection of Chalakkara channel II reach from Urman road.
- lxxxvii. Bank protection of Ponniam river on the down stream of Moolakadavu channel.
- lxxxviii. Bank protection of channel along Palloor Vayal in reaches.
- lxxxix. Construction of drain and culvert near Poleramma temple at New bus stand.
- xc. Protecting the eartern ring bund around Gurempeta village in Yanam.
- xc. Providing revetment to inner side of Savithri nagar ring bund at Yanam.
- xcii. Construction of flood regulator on the ring bund at Iyanna Nagar at Farampeta village in Yanam.
- xciii. Protecting Coringa River bank at Seethammapeta in Yanam.
- xciv. Protecting the Godavari river margin from Artikayalanka border to at 1500mts.in Francethippa (phase-I)1520m to 1730m.
- xcv. Protecting the Farampeta Society Lands in Yanam.
- xcvi. Protecting the LB of Godavari river at vulnerable reaches prone to erosion in Yanam.
- xcvii. Replishing with stones the sunken portion of the river protection of the river protecting works wherever required from Ferry to Yedurlanka bridge in Yanam.
- xcviii. Protecting the Godavari river margin in Dariyalathippa near Durga temple in Yanam.
- xcix. Construction of RCC retaining wall from Seethampeta to Mettacuru in Yanam.
- c. Protecting the Coringa river margin near tidal lock in Yanam.

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

- i. Dredging Ariankuppam river for navigation and island fishing (New Work) (3.00 Crores).
- ii. Dredging Chunnambar below bridge for navigation and island fishing (New work) (Rs.5.00 Crores).
- iii. Comprehensive improvements to Thengaithittu lagoon for recreational navigation (New scheme) (Rs.3.00 Crores).
- iv. Construction of causeways across various tanks surplus course.
- v. Protecting the banks of various rivers.
- vi. Improvements to various anicuts.
- vii. Forming of inspection tracks.
- viii. Construction of causeways across various rivers.
- ix. Construction of barrage with 2 lane bridges.
- x. Improvements to the link channels.
- xi. Construction of retaining walls.
- xii. Construction of slab and pipe culverts.
- xiii. Construction of bridges across various surplus course.
- xiv. Construction of masonry drains.
- xv. Construction of regulators cum bridges across various rivers.
- xvi. Providing revetments to the banks of various rivers.
- xvii. Construction of foot bridges.
- xviii. Providing rough stone pitching for channel banks.
- xix. Bank protection works.
- xx. Anti-sea erosion works.

4. Remarks : Continuing scheme

Scheme No. 3

Sector : FLOOD CONTROL

Implementing Department : PUBLIC WORKS

1. **Name of the Scheme** : Improvements to Drainage Channel

2. **Objective of the Scheme** :

Deepening, levelling, lining of channels for effective and quick draining of flood to safeguard the standing crops.

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

- i. Improvements to Subbiah nagar canal from Iyyanar koil upto infall point.
- ii. Improvements to the Calingula surplus course from Manapet Puduthangal to Mullodai in Bahour.
- iii. Extension of Thanthai Periyar nagar drain.
- iv. Providing protection work to secondary feeding channel of Maducarai tank.
- v. Improvements to Mudalimedu channel in Vanjore village in T.R. Pattinam.
- vi. Improvements to the Narithinna voikal drainage channel at Thooduponamoolai village, Neravy Commune from Ch. 1150m to 2000m.
- vii. Standardisation of Vizhidiyur channel from offtake point to infall point in Karaikal.
- viii. Improvements to Arasapuram channel in Left Bank of Nattar river in Kottucherry Commune.
- ix. Improvements to approach road to Nallambal regulator from Ambagarathur road in Thirunallar.
- x. Re-construction of the damaged syphon at Palla voikal across river Noolar at Sorakudy village in Karaikal.
- xi. Protecting the banks of Nallambal channel from offtake point to infall point in Karaikal.
- xii. Protecting both the banks of Mathur channel in Karaikal.

(b) Anticipated Physical Achievement 2003-04 :

- i. Reactivating the Mohan Nagar drain from Kundu Palayam.
- ii. Desilting of Mohan Nagar drain from Gandhi Nagar to
- iii. Impts to Subbaiya Nagar canal from Ayyanar koil upto infall
- iv. Extension of Thanthai Periar Nagar drain upto Kanakaneri in Pdy.
- v. Const. Of pipe culvert across sitheri feeder channel near Pinnatchikuppam road to burial ground in Bahour commune
- vi. Desilting the uppar drain between D/s of colas nagar bridge upto confluence point
- vii. Construction of retaining wall along the drainage channel from Pinnatchikuppam main road culvert to Arupadaiveedu Medical College near Reddichavady road culvert at Kirumampakkam in Bahour Commune, Pondicherry.
- viii. Improvements to Irrigation channel from burial ground at Iyyankuttaipalayam odai to Kalmedupet, Pondicherry.
- ix. Improvements to the drainagae channel from JJ nagar to Vayalveli including construction of culvert, Pondicherry.
- x. Construction of "U": drain to the channel at Johnpaul Nagar, Ansari Nagar, Thiruvika Nagar, Iyyappasamy Nagar, from Olandai Tank, Pondicherry.

- xi. Construction of protection wall on either side of Thengaithittu channel from Dobigana to lagoon, Pondicherry.
- xii. Constn. of Masonry drain at Sellipet Village.
- xiii. Constn. of retaining wall on R/B of drainage channel from L.R. Palayam to Katterikuppam
- xiv. Improvements to Mudalimedu channel in Vanjore village in T.R. Pattinam.
- xv. Improvements to Neravy channel from Manampet to Alathur Iron Bridge in Karaikal.
- xvi. Construction of culvert across Mudalimedu channel near Power Corporation in Karaikal.
- xvii. Protection the banks of Nallambal channel from offtake point to infall point in Karaikal.
- xviii. Protecting the banks of Madhur channel in Karaikal.
- xix. Construction of foot bridge across river Noolar at Karukkangudy village in Thirunallar Commune.
- xx. Urgent Repairs to the approach road leading to the Nallambal regulator.
- xxi. Providing and strengthening the banks of Noolar from Thenoor road culvert to Poomulayanamangalam in Thirunallar.
- xxii. Construction of retaining wall on the Right Bank of Noolar and providing skip at Karukkangudy village, Karaikal.
- xxiii. Providing surface water lifting facility at Ammaivoikal and Puduthurai voikal from Arasalar tailend regulator.
- xxiv. Improving the inspection track on the Left Bank of Noolar from Nallambal regulator to Madhur Bed Dam.
- xxv. Improvements to Pathakudy channel from Head Sluice to Valathamangalam road culvert in Thirunallar Commune.
- xxvi. Urgent Repairs to upstream of Sayampalayam regulator.
- xxvii. Urgent Repairs to downstream of Sayampalayam regulator.
- xxviii. Protecting and strengthening Arasalar river bank opposite to Angalamman Koil at Athipadugai village.
- xxix. Interlinking Thirumalairajanar with Arasalar.
- xxx. Providing screw gauge shuttering arrangements in two small bed dam existing at Dharmapuram irrigation channel near Thirunallar including desilting the same with JCB, Karaikal.
- xxxi. Improvements to Sethur bed dam in Noolar

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

- i. Remodelling Karuvadikuppam drain from Venus Theatre bridge to Ambiga theatre culvert including reconstruction of culvert. (New work) (Rs.50.00 lakhs).
- ii. Construction of masonry drain for the Mettuvoikal from NH45A to Arthur Eye Nursing Home. (New work) (Rs.1.00 Crore)
- iii. Construction of retaining walls along various drainage channels.
- iv. Construction of drainage channels.
- v. Improvements to Irrigation channels.
- vi. Construction of culverts and "U" drains to the channels.
- vii. Construction of protection walls.
- viii. Improvements to various channels.
- ix. Strengthening the banks of various rivers.
- x. Improvements to bed dams.

4. Remarks : Continuing scheme.

Scheme No. 4

Sector : FLOOD CONTROL

Implementing Department : PUBLIC WORKS

1. **Name of the Scheme** : Study on Sea Wave Dynamics in Pondicherry.
2. **Objective of the Scheme** : To study the dynamics of sea waves.
- 3.(a) **Actual physical Achievement 2002-03** : --
- (b) **Anticipated Physical Achievement 2003-04** :
Conduct of Sea wave dynamics.
- (c) **Programme envisaged for Annual Plan 2004-05** :
Conduct of Sea wave dynamics.
4. **Remarks** : Continuing scheme