

FLOOD CONTROL

All the four regions in the Union Territory of Puducherry are lying in the coastal zone. It is proposed to take up the flood control works such as protection of the banks of the rivers and the channels in order to avoid flood erosion to protect the fields from inundation and protection of drainage system to avoid submerge of residential areas during the flood submerge of residential areas during the flood and rainy season, providing inspection roads on channel bunds for inspection and regulator purposes, desilting works, forming of inspection tracks on the banks of various channels and existing damaged inspection tracks, restoration of breached and overtopped banks, coastal protection, construction of bed dams and check dams and related flood control works.

It is proposed to protect the existing channels and improvements to the channel bunds in Puducherry region such as:

- Construction of retaining wall eastern side bund and widening the eastern bund of Olandai tank.
- Construction of retaining wall in common bund of Murungapakkam and Olandai tank and Providing BT road in common bund
- The improvement works are various drains in Puducherry urban limits Gorimedu drain, the Krishna Nagar drain in various phases and Kathirkamam drain.
- Also due concentration will be given to storm water discharge concept in the urban areas.
- The main drains like Karuvadikuppam and Uppanar drains will be provided with concrete retaining walls and concrete bed after regarding to ensure speedy discharge of run off.
- The flood carriers like Arasalar, Mullaiar and Thirumalairajanar will be protected.

ACHIEVEMENTS DURING 2007-11

- Railing the toe wall of Kanageneri and black topping the Kanageneri road in Puducherry.
- Improvements to Authuvoikal from Authuvoikalpet to Villianur manaveli road culvert in Villianur Commune, Puducherry

- Formation of rock revetment for road protection at shoreline from ch 0 to 90m towards North of chinna kalapet, Puducherry
- Protection to the Korkadu feeding channel from Pudukuppam school culvert to Korkadu tank inlet regulator, Puducherry
- Desilting Guduvaiyar from Thirukanchi anicut to Keezhagraharam road bridge, Puducherry
- Providing link road from Indira Nagar drain to Police complex road at Gorimedu, Puducherry
- Construction of masonry drain for the left out portion in Mariamman Nagar in Mudaliarpet, Puducherry
- Construction of retaining wall on the right bank of Sankaraparani river down stream in Villianur Commune, Puducherry
- Protecting the Banks of Guduvaiyar river just down stream side of Krizhur Anicut, Puducherry.
- Protection work on the right bank and Left bank of vellavari draiange channel at Vambapet in Pannithittu village, Puducherry
- Construction of masonry drain from Mohamadiya nagar upto Junction of NH45A in sulthanpet in Puducherry.
- Conversion of Gorimedu ravine into flood carrier cum road from jeevananthapuram to state border at Priyadarshini veethi at Thattanchavady revenue village, Puducherry (phase-I)
- Improvements to Krishna Nagar in Puducherry Phase-II, construction of masonry drain from ECR pipe culvert near Sri Sankara Vidhyalaya Scholl to out fall into Rainbow Nagar drain, Puducherry
- Construction of culvert across Karuvadikuppam drain to connect Ezhil Nagar (North)-IV Cross with Vasantham Nagar, Gangai st., at Devaki Nagar, Puducherry
- Desilting and cleaning of main canals in Puducherry in Urban and Sub-Urban limits, Puducherry
- Providing masonry drain for the Murungapakkam tank supply cahnnel from Thulukanathamman Nagar to Marapalam at Velrampet, Puducherry.
- Construction of masonry drain for the main channel of 2nd sluice in Murungapakkam tank with 6 Nos of culvert at road crossing in Nainarmandabam village in Puducherry
- Construction of drain in the branch of Palalvoikal at Mariamman Nagar on the eastern side of ECR near Hero Honda Show room at Cuddalore Road, Puducherry.

- Formation of inspection track on the right bank of Karuvadikuppam drain from RC24 road to Krishna Nagar, Puducherry
- Construction of CC drain linking RC24 Lawspet road near Vivekandanda School to the infall point at Ph-I of Krishna Nagar drain, Puducherry
- Forming of inspection path and construction of masonry drain in the left out portion of Subbiah Nagar canal in Thattanchavady, Puducherry.
- Improvements to Krishna Nagar drain in Puducherry Ph-IV reach from ECR culvert near Latha Steel to outfall point in the Gorimedu drain, Puducherry
- Construction of cuvert across Oulgaret Mettuvoikal connecting Jaya Nagar & MGR Nagar, Puducherry.
- Formation of rock revetment for road protection at shoreline from ch.0m to 76m towards South of Chinnakalpet, Puducherry
- Construction of masonry drain for the main channel of 2nd sluice of Murungapakkam tank with 2 Nos of culvert at road in Nainamandabam village, Puducherry
- Construction of masonry drain from NH road 10.4 km at Villianur to infall point into Sankarabarani river in Villianur, Puducherry
- Construction of masonry drain from ECR road upto infall point at Ph-IV of Krishna Nagar drain, Puducherry
- Construction of cuvert across Oulgaret Mettuvoikal connecting Jaya Nagar & MGR Nagar, Puducherry.
- Formation of rock revetment for road protection at shoreline from ch.0m to 76m towards South of Chinnakalpet, Puducherry
- Formation of rock revetment for road extension and providing armour layer from ch.0m to 35m towards South of Chinnakalpet, Puducherry.
- Improvements to the draiange cahnnel from JJ nagar to Vayalveli including construction of culvert, Puducherry.
- Construction of masonry drain for the main channel of 2nd sluice of Murungapakkam tank with 2 Nos of culvert at road in Nainamandabam.
- Construction of masonry drain from NH road 10.4 km at Villianur to infall point into Sankarabarani river in Villianur, Puducherry
- Strengthening the existing rock revetment from ch.1970m 2895m towards north of New pier in Puducherry
- Construction of protection wall to Thengaithittu lagoon including construction two culvert in Puducherry

- Forming of flood bank by cutting pilot channel on the left bank of Chunnambar at Nonankuppam village, Puducherry
- Construction of retaining wall at weaker portion of common bund of Malatar below Kumaramangalam regulator, Puducherry
- Construction of bed dam across Guduvaayar upstream side of Keezhagraharam road bridge in Puducherry
- Construction of drain connecting Sakthi Nagar and Saram drain at Velmurugan Nagar, Puducherry
- Improvements. to the western bund cum inspection track of Kunithchempet Pudu eri feeder canal in Kunitchempet, Puducherry.
- Reconstruction of slab culvert across the drainage channel near the burial ground at Kodathur in Mannadipet Commune, Puducherry
- Improvements of the inspection track on the eastern bunds of the chettipet tank feeding channel in Chettipet, Puducherry
- Renovation of the Kunjanodai surplus regulator at the backside of the Embalam section Office, Puducherry.
- Construction of 3 Nos. of bed dam across Akkaravattam Channel and Kovilpathu Channel near South pet in Neravy.
- Reconstruction of culvert in the Puduthurai channel opposite to Pallivasal at Puduthurai village in Karaikal.
- Formation and Strengthening the RB of Vanjiar from foot bridge to infall point of Subrayapuram escaper channel in Thirunallar.
- Formation and Strengthening the RB of Vanjiar river opposite to 110/11 KV Substation at Pillaitheruvasal.
- Bank protection work for Channel along Palloor Vayal in reaches (1st Reach), Mahe.
- Bank protection of channel on the southern side of Navodaya Vidyalaya Pandakkal, Mahe.

LIKELY ACHIEVEMENTS DURING 2011-12

Protection of the approach of the existing slab culvert WBM, construction of retaining wall, construction of protection wall, construction of culvert, reconstruction of existing culverts, provision of metal road, construction of drain, provision of U drain, dismantling and reconstruction of culvert, desilting and cleaning of major canals, strengthening of RB & LB,

Bank protection, provision of BT road, formation of gravel road, construction of bed dam, construction of fishing harbour at Karaikal, improvement to inspection track, flood management, etc. will be taken up at required places / areas.

PROPOSED TARGETS FOR 2012-13

- Improvements to Oulgaret to Oulgaret Mettuvoikkal from Oulgaret Marie road to Muniswaran koil, Puducherry
- Providing cover slab in the Marriyaman nagar drain at left out portion from DS of ECR Mudaliyarpet, Puducherry.
- Construction of protection wall at western side of Sai Jeeva sorojini nagar adjoining to the Thengaithittu lagoon in Thengaithittu village
- Construction of two nos of RCC culvert across the Oulgaret pallavoikal in between Bharathi nagar 11th cross Reddiyarpalayam.
- Construction of Kerbwall along the left side of point care st drain adjacent to Bharathidasan nagar in Mudaliyarpet.
- Providing RCC hume pipe and construction of retaining wall in the palla madhagu channel; from ECR to Chavadikulam in Bahour
- Reconstruction of RCC box culvert across Iyyaner koil drain at Library street in Puducherry.
- Improvements to the channel from Sedarapet road culvert to Mangulam @ Thondamanatham Village, Puducherry.
- Desilting the Suthukeny channel from head regulator to Vazhudavour Shutter.
- Reconstruction of RCC culvert at 6th cross of Bharathidasan nagar across point care drain village.
- Construction of “U” drain starting from NH 45 A road (near municipal toilet block) through Ganapathy nagar to Thengaithittu. Lagoon.
- Construction of “U” drain starting from NH 45 A road to Porakulam near tollgate (opp.to petrol bunk) in Ariyankuppam
- Construction of retaining wall to the damaged bunds of the drainage chl at tail end portion in Kodathur village

- Construction of “U” drain starting from Kompakkam road cross culvert to Ariyankuppam river in between Murungapakkam high school to Angalamman temple in Murungapakkam.
- Impts. to Oulgaret Mettuvoikkal from MGR Nagar culvert to Jaya Nagar 1st cross in Puducherry (downstream of MGR Nagar, culvert).
- Improvements to the Oulgaret Mettuvoikkal from Muniswaran koil to MGR Nagar culvert, Puducherry (Upstream of MGR Nagar culvert).
- Improvements to Oulgaret Mettu voikkal from Jaya Nagar 1st cross Jaya Nagar 4th cross in Puducherry.
- Strengthening the right bund of the Pambaiyar on the US of the Silukeripalpayam check dam.
- Providing WBM at BT to the inspection track on the RB of Vikkaravandy channel from Chetipet culvert to Kodathur road
- Providing outer toe wall on the banks of Sathamangalam tank in Villianur Commune, Puducherry
- Construction of retaining wall on weaker portion Korkadu feeder canal D/s of Sathamanglam off take to Embalam section Office, Puducherry.
- Protecting the banks of Guduvaiyar D/s of Kizhur Anicut villianur Commune, Puducherry
- Const of retaining wall in the southern side of Thengaithittu road starting from printing press to fish pond including const of one culvert at burial ground road in puducherry.
- Const of “U” drain starting from Murungapakkam High school southern side end of compound wall to Ariyankuppam river.
- Reconstruction of retaining wall on the right and left bank of of Iyyanar koil drain near Doctors Colony in Puducherry.
- Providing Block topping to the existing WBM on the Suthukeny Periaeri bund at Suthukeny in Mannadipet Commune Panchayat, Puducherry
- Const. of an additional drain from Krishna NagarPhase-II drain near Suthandira Ponvizha Nagar in upper drain in Puducherry.
- Reconstruction of RCC box culvert across Iyyanar koil drain at Iyyanar koil street in Puducherry.

- Construction of RCC culvert across the Shanmugapuram Vellavari bund and "L" drain connecting with Pudu Nagar drain in Puducherry
- Reconstruction of RCC box culvert at Vivekanantha Nagar 2nd cross road junction in Villupuram road in Puducherry.
- Strengthening the inspection track on the Right bank of Mettuvoikal from Muniswaran to MGR Nagar culvet, Puducherry.
- Improvements to the road on the left bank of Sedarapet Sitheri Voikal Sedarapet Village in Puducherry.
- Construction of DR Nagar U drain in Pilliyar koil street from Nalla Petrol bunki at ECR to Anna Nagar main road culvert in Puducherry.
- Construction of retaining wall at various places on the left banks of Gorimedu drain, Anandapuram in Mariamman Koil street, Puducherry.
- Construction of retaining wall for Left Bank and Right Bank of Gorimedu drain near Subbaiah Nagar culvert in jeevanandhapuram, Puducherry.
- Const of check dam across the Sangaraparani river at Chettipet village in MCP
- Const of "U" drain from Olandai tank through Jaya nagar jothi nagar, Jeyamorthui raja nagar, Engineers colony Mudaliyarpet.
- Const of protection wall in the eroded bund of the drainage channel near the confluence point of the Sankaraparani beyond burial ground at Kodathur village
- Strengthening the RB of Pambaiyar above the silkkarepalayam check dam at Silkeripalayam.
- Providing U drain from Kandasmay nagar Ist cross street to Kamaraj salai to Pooranankuppam
- Construction of Thirubuvanai tank feeding channel on the upstream side of Uralkuttai culvert (opp. Sandhai) in Madagadipet.
- Strengthening the inspection track in right bank of river Nandalar from Nallathur road junction to Kulakudy in Nedungadu commune, Karaikal.
- Strengthening the inspection track in right bank of river Nandalar from Nallathur road junction to Kulakudy in Nedungadu commune, Karaikal.
- Strengthening the inspection track on the LB of Thenpathy channel connecting Melakasakudy and river Vanjiar in Nedungadu commune.

- Forming inspection track on the left bank of Thalaganiyar (South) connecting Kuyavankulathupet pet and Kanjeepuram Kovilpathu pet in Kottucherry commune Karaikal.
- Improvements to the inspection track from Puliyanthopu to right bank of Nandalar at Kottucherry Commune in Karaikal.
- Reconstruction of damaged head sluice at infall point of Poovam channel in Manichakaveli
- Improvements to the Right bank of Nandalar from Kazhugumedu Tail end Regulator to Poraiyar road at Kottucherry Commune in Karaikal.
- Improvements to the inspection track on the LB of Thirumalairajanar from Nagore road to Sanniyasi vadigal in Neravy.
- Improvements to the inspection track on the LB of Thirumalairajanar from railway crossing to Karuvaladi channel infall in Karaikal.
- Construction of kerb wall on the LB of Thirumalairajanar from taile end regulator to Sanniyasi vadigal in Neravy commune.
- Improvements to the inspection track on the LB of Thirumalairajanar from Sanniyasi vadigal to Kavundatheru pump house in Neravy (Pannakattankudy bridge to pump house.)
- Protecting the banks of Ambagarayan channel near main road culvert in Ambagarathur.
- Protection the both banks of Noolar above road culvert near Mosque at Thirunallar.
- Protection the both banks of Noolar below road culvert near Mosque at Thirunallar.
- Improvements to the approach road to Kuthiraikuthi channel off take head sluice from Nallathur regulator in Karaikal.
- Formation of Inspection track on the RIGHT BANK of Paruthikudy channel at Paruthikudy
- Standardization and Strengthening the bank of river Vanjiar from Agaramangudy to Serumavilangai road bridge
- Strengthening the RB of river Nandalar from Kulakudy village to Andoor in Nedungadu commune.

- Improvements to inspection track on the LB of Mullaiyar connecting Oduthurai village in Neravy.
- Improvements to inspection track on the RB of Mullaiyar from cause way to Karukalacherry road bridge in Karaikal.
- Reconstruction of Vizhattery Drainage channel infall Regulator at Nallathur
- Reconstruction of Muhundanoor drainage channel infall Regulator at Nallathur
- Standarization of Kuthiraikuthi channel from Narikurumbai Rettapalam to Mullipallam siphon in Nedu. Commune.
- Reconstruction of Mathalankudy siphon cum culvert across Kuthiraikuthi channel at Narikurumbai Village
- Impts and reconstruction of various cross masonry structures in grand canal from off take point to infall point in Karaikal
- Protection works to the approach road of Thiruvettakudy regulator at Kottucherry
- Desilting various channels of Nattar and its tributaries in Nedungadu and Kottucherry communes, Karaikal.
- Desilting and maintenance of channels in Noolar river system (west part), Noolar river system (East part) and n Arasalar river system
- Strenthening the LB of Noolar from Karukkangudy pallivasal to Karukkankudy regulator
- Reconstruction of two vent cum culvert across pannai voikal in Thennangudy.
- Improvements to the Inspection track on the Right Bank of river Nandalar from Thondamangalam pet to NH 45 A at Poovam Village
- Improvements to the Inspection track on the RIGHT BANK of Grand canal connecting Vadamattam road and Konnakaveli road.
- Formation of Inspection track on the Left Bank of Grand canal from Konnakaveli road to infall point at Kazhugumedu
- Improvements to Nana voikal from NH 45 A to Arasapuram channel syphon at Kottucherry
- Improvements. to the Inspection track on the Left Bank of Thalaganiyar (North) from Thondamangalam to Mukkuttu Regulator

- Standardization of Drainage channel connecting Andoor 3 vents Regulator and Nandalar
- Standardization of river Nandalar from Nallathur to Kulakudy village
- Protection works to the Andoor 3 vents Regulator/Flood Regulator at Andoor
- Strengthening the L.B of Vanjiar and improving the inspection track from Melakasakudy to Lingathady regulator in Karaikal.
- Standardization and strengthening banks of the river Vanjiar from Pillaiteruvasal to tail end regulator at Melavely, Karaikal.
- Improvements. to the Inspection track on the LEFT BANK of river Nattar from Nedungadu road bridge to Ponbethy road bridge
- Construction of Kottucherry section office in the R.B of Nana voikal in Kottucherry commune
- Construction of Lascar shed near tail end regulator at Melavely, Karaikal
- Construction of Lascar shed on the right bank of river Nandalar near Sadaiyan channel infall regulator at Andoor in Nedungadu commune.
- Reconstruction of syphon near Vangal channel at Konnakaveli in Kottucherry commune.
- Reconstruction of Sadaiyan channel off take Regulator at Narikumbaipet in Nedungadu commune.
- Formation inspection track on the RB of Paruthikudy channel at Agaramangudy pet in Nedungadu commune
- Formation of contour bund connecting Nattar entry gauge at Annavasal and R.B of Kuthiraikuthi channel at Mathalankudy in Nedungadu
- Construction of culvert across river nattar near Paruthikudy head sluice at KeezhaParuthikudipet in Nedungadu commune.
- Improvements to inspection track on the LB of Pravadaiyanar from Nagore road to Thittacherry road.
- Improvements to the LB of Thirumalairajanar below Nagore road bridge.
- Protecting the RB of Neravy channel from Kavundatheru to Kakkamozhi in Karaikal.

- Improvements to the LB of Neravy channel from Kavundatheru to Kakkamozhi village in Karaikal.
- Improvement to RB of Mullaiyar above Anthoniar koil pet bridge in Karaikal.
- Improvements to RB of Vanjiar below Agaramangudy regulator in Thirunallar commune.
- Strengthening the inspection track in LB of Arasalar from tail end regulator to Neivacherry road junctiuon.
- Forming inspection track in LB of Nellivoikal from Athipadugai road to Arasalar LB
- Improvements to RB of Vanjiar from Subrayapuram foot bridge to Lingathady regulator at Uthirangudy village in Karaikal.
- Strengthening and forming inspection track from Neivacherry road to LB of Arasalar.
- Improvements to the inspection track on LB of Arasalar from Athipadugai Angalamman koil to Nellivoikal culvert.
- Strengthening the contour bund at LB of Madhur channel from offtake point of Madhur village.
- Providing retaining wall in LB of Arasalar near Athipadugai pilliyar koil.
- Strengthening the both banks of padugai canni near infall point of Vanjiar river at Puduthurai village.
- Strengthening the Subrayapuram channel from Uthirangudy road to Keezhavoor channel at Uthirangudy village.
- Improvements to the down stream side apron of Agalancannu regulator at Agalancannu.
- Strengthening the RB of Vajiar from Kannapoor bridge to manali at Kannapoor village
- Improvements to the inspection track on LB of Arasalar from tail end regulator to confluence point of Arasalar in Karaikal.
- Protecting the common bank of Noolar and Valathamangalam vadigal at back side of Masthan sha in Karukkangudy.

- Development of site for recreation facilities at Nallambal lake in Thirunallar commune.
- Strengthening and increasing the storage capacity of mini lake at Nallambal.
- Providing parking facility near Nallambal mini lake in Karaikal region.
- Providing additional Horticultural facilities and grass turfing in the side slope of mini lake at Nallambal.
- Providing boat club facility by contracting jetty and other facilities above tail end regulator in the river Arasalar.
- Protecting the LB OF Arasalar belpow tail end regulator and RB of Vanjiar at Karaikal.
- Protecting the RB of Arasalar and development of walkway below tail end regulator at Karaikal.
- Protection of newly formed approach road to the Fishing Harbour at Karaikal.
- Reconstruction of Nallambal village in Thirunallar Commune.
- Improvements to bed dam across Noolar river Madhur head sluice in Thirunallar Commue.
- Flood protection works Under flood management programme in Yanam
- Modernization of drainage outlets in Yanam
- Repairs to Shutters of Ayyanna Nagar flood regulator in Yanam
- Forming ring bund and Island No.3 in Yanam
- Protection the society lands (Balance length) Farampeta in Yanam
- Construction of anicut with High Level Bridge across Sankaraparani river connecting Kaikalapet and Suthukeny in Mannadipet Commune, Puducherry.
- Construction of drain from Gopalan Kadai (State Border) to Thiru Nagar pump house, Moolakulam, Puducherry.
- Construction of RCC drain for Oulgaret Pallavoikal from Pitchaveeranpet road culvert to Gundu salai culvert at Moolakulam in Oulgaret, Puducherry.
- Providing rough stone pitching of channel from Navodaya campus to Moolakkadavu bridge Mahe

OUTLAY AT A GLANCE

Sector : FLOOD CONTROL
Department : PUBLIC WORKS

No. of Schemes : 1

(₹ in lakh)

Eleventh Five Year Plan 2007-12 Approved Outlay	:	14023.10
Annual Plan 2007-10 Actual Expenditure	:	7571.03
Annual Plan 2010-11 Actual Expenditure	:	2270.07
Annual Plan 2011-12 Approved Outlay	:	3000.00
Annual Plan 2011-12 Revised Outlay	:	1832.70
Twelfth Five Year Plan 2012-17 Tentative Outlay	:	17508.30
Annual Plan 2012-13 Proposed Outlay	:	4135.06

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2010-11	Annual Plan 2011-12	Twelfth Plan 2012-17 (Tentative Outlay)	Annual Plan 2012-13
		Actual Expdr.	Approved Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(6)	(7)
1.	Strengthening of Embankments and Channel improvement	2210.28	1500.00	10008.30	3433.06
	Negotiated Loan	59.79	1500.00	7500.00	702.00
Total		2270.07	3000.00	17508.30	4135.06