

FLOOD CONTROL

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. Construction of retaining walls, culverts, reconstruction of drains etc., are proposed under the Flood Control Sector in order to provide smooth discharge of storm water / waste water in the drainage channel. It is proposed to construct a retaining wall on both sides of the Karuvadikuppam Vellavari Voikal and lining work for a length of 420m from Vishnu Nagar to Ponniamman Koil under the Drainage Scheme.

It is proposed to provide check dam across Noolar near Mathur channel head sluice, reconstruction of Nallambal regulator across Noolar, protecting the RB of Noolar at left out portion in Kumarakudy village, reconstruction of Manampet regulator across Thirumalairajanar, construction of foot bridge across Thirumalairajanar near Anathanallur regulator, reconstruction of Agaramangudy regulator across Vanjiar, reconstruction of Lingathady regulator across river Vanjiar will be taken up.

Mahe Division is functioning for making structural work for protecting the bank of the existing Rivers/ Channels to protect the valuable lands of Public providing access to the newly developed plots and also to improve the existing Sewerage System.

It is proposed to protect the river margin with necessary groynes from Artikayalanaka to G.M.C.Balayogi bridge for a length of 1.50 kms. Another river protection work at western side of Coringa river is carried out from Dommetipeta to Dariyalathippa for a length of 3.00 kms. The island No.3 is also protected at river side.

Construction of rural bridges, retaining wall, culverts, reconstruction of drains etc., are proposed in order to provide smooth discharge of storm water/waste water in the drainage channel. It is proposed to construct a road bridge across the Sankaraparani River near IOC bottling Plant. This is the important link connecting NH-45A Road, serve for many villages and agricultural economy of surrounding villages will be appreciable.

The four Major Works are proposed during the 2014-15 on priority.

- Construction of PCC drain in the Mettuvoikkal channel from the downstream of NH-45A at Oulgaret near Sivagami Nagar to Ellaipillaichavady in Puducherry.
- Construction of retaining wall in the Pallavaikkal channel from the downstream of NH-45A Oulgaret Near Sivagami Nagar to Railway Level Crossing culvert P.98

Sudhana Nagar and branch channel upto NH-45 Road near Hero Honda Show Room, Puducherry.

- Construction of retaining wall in Jeevananathapuram ravine from State Border to Priyadarshini Veedhi near Don Bosco Boys Home at Thattanchavady, Puducherry.
- Construction of retaining wall on western bund of Murungapakkam Eri surplus course near Sri Angalaman Temple at Murungapakkam, Puducherry.

In the river system of this region, it is very necessary to maintain the river bunds, channel bunds, strengthen the weaker portion of bunds where ever necessary and clearing the river / channel bed for free flow of water for effective irrigation. Also the flood control preventive measures are taken in order to avoid, the breaches and over topping of river & channel bunds during the flood season.

Under this sector, strengthening the river & channels, banks, standardizing the weaker bunds, clearing the river/ channel bunds like desilting the Chennel & River bed and providing inspection track, for inspection of the regulators & cross masonry structure, & maintenance of cross masonry structure and relaying of damaged existing inspection track and desilting of existing tanks, are taken up in this sector. The new works such as Desilting and maintenance of various channels in all the river system, Improvements to Kangeyan “A” channel at various place at Vizhidiyur in Neravy Commune are completed in this year.

The new work of Forming and strengthening the RB of Vanjiar from Puthamangalam infall to Lingathady regulator ,Desilting of various channels in Nedungadu Section for the year 14-15, Improvements to the inspection path from Keezhasubrayapuram to Subrayapuram foot bridge in Thirunallar Commune , Forming and strengthening the LB of Subrayapuram drainage channel from Keezhasubrayapuram to Keezhaputhamangalam. strengthening the LB of Thirumalairajanar near infall point , Protecting the both banks of Ambagarayan channel above School gate at Ambagarathur and Reconstruction of Olakudiyar head sluice at Vadakkuvveli area (Rs.15.00 Lakh) will be taken up in the next financial year of 2014-15.

OUTLAY AT A GLANCE

Sector : FLOOD CONTROL

No. of Scheme : 1

Department : PUBLIC WORKS

(₹ in lakh)

Annual Plan 2012-13 Actual Expenditure	:	1530.41
Annual Plan 2013-14 Approved Outlay	:	1542.04
Annual Plan 2013-14 Revised Outlay	:	1812.98
Annual Plan 2014-15 Proposed Outlay	:	3650.00

(₹ in lakh)

Sl. No.	Name of the Scheme	Annual Plan 2012-13	Annual Plan 2013-14		Annual Plan 2014-15	
		Actual Expdr.	Approved Outlay	Revised Outlay	Proposed Outlay	Of which capital content
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Strengthening of embankments and channel improvements.	1113.44	1188.04	1307.28	950.00	950.00
	Negotiated Loan	416.97	354.00	505.70	2700.00	2700.00
Total		1530.41	1542.04	1812.98	3650.00	3650.00

Scheme No. 1

Sector : FLOOD CONTROL

Implementing
Department : PUBLIC WORKS

- 1. Name of the Scheme** : Strengthening of Embankments and Channel Improvements.
- 2. Objective of the Scheme** :

The 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.

Creation of Infrastructural facilities in the areas in order to avoid intuition of water from flood erosion due to the sea and also constructions of RCC drains in the vaikals in the Union Territory of Puducherry by availing negotiated loan.

3. Actual Physical Achievements made in the Annual Plan 2012-13 :

- 2 bed dams were constructed.
- 15 no. of works for the reconstruction of drain were made.
- 4 nos. of box culverts were constructed
- 1250 mts. of B.T. road were laid.
- 2 nos. of works for construction of retaining wall for 54 mts were made.
- 3 nos. of works for the protection wall / channels for 110 mts. were made.
- Constructions of drain to an extent of 500 mts. were made.
- 20 mts. approach road were made.
- 401 mts. for the improvements of channels revetments.
- 7 nos. of Left / Right bank of rivers were strengthened.

4. Physical Achievements for the Annual Plan 2013-14:

- 14 no. of works for the reconstruction of drain were undertaken.
- 5 nos. of box culverts were constructed.
- B.T. road for 1350 mts was laid.
- 4 nos. of works for construction of retaining wall for 104 mts were taken.
- 5 nos. of works for the protection wall / channels for 220 mts. were constructed.
- Drain to an extent of 500 mts. were constructed.
- 50 mts. approach road was laid.

- 472 mts. for the improvements of channels revetments were provided.
- 7 nos. of Left / Right bank of rivers were strengthened.
- 3 bed dams were constructed.

5. Proposed Physical Targets for the Annual Plan 2014-15 :

- Const of protection wall of Thirubuvanai tank FC on the US side of Uralkuttai culvert from Market committee road crossing culvert to newly constructed protection wall at Madagadipet village.
- Protection work at offtake point at Malatar river, P.S.Nallur feeder canal at various location in Nettapakkam commune, Puducherry.
- Special repair L.R.Palayam kondam (Tamilnadu region) near Madagadipet in Puducherry.
- Providing revetment to the Thirukkanur Chinnaeri feeding channel from Thiruvannamalai road culvert to the state border in Kunichempet Village, Mannadipet Commune, Puducherry.
- Forming the eroded portion of Bangaru voikal at Perichampakkam in Bahour Commune, Puducherry.
- Construction of retaining wall and block topping the tanks on the right bank of Veedur Voikal Ch.0m to Ch.1200m in Sandaipudukuppam in Puducherry. \
- Providing BT road over the Uralkuttai channel bund road and drainage facilities at Thirubuvanai Palayam, Thirubuvanai in Puducherry.
- Raising of outer toe wall of T.V.Koil tank bund and providing fencing in the northern side of Tank bund at T.V.Koil in Puducherry.
- Forming the inspection track over the feeder channel bund from police station road to Periyapet road, Puducherry, left bank in the Sankarabarani river near Kanuvapet village, Villianur commune, Puducherry.
- Providing 'U' drain in the Kirumampakkam Chinna Eri supply channel along the ECR road from Embalam constituency MLA officer to Mosque in Bahour Commune, Puducherry, from Mahatma Gandhi Hospital (Ch.0m to Ch.138m) to opposite of culvert near ATM in Bahour Commune, Puducherry.
- Construction of the drain connecting for ECR culvert near Shankara Vidyalaya School to Krishna Nagar drain phase-II Sethilal Nagar in Puducherry
- Construction of retaining wall in Jeevandapuram Revine from state border to Periyadhashini veedhi near Don Bosco Boys Home at Thattanchavdy Village in Puducherry.
- Reconstruction of culvert and U drain at Arundhathipuram in Ariyankuppam Commune, existing culvert across Thengaithittu Main road near fish form in Puducherry Municipality, Puducherry.
- Construction of retaining wall on the southern side of Vanathampalayathamman temple at Murungapakkampet in Puducherry Municipality, Puducherry.
- Construction of drain cover slab to the supply channel from Olandai Eri between Engineers colony and Thirupur Kumaran Nagar from Ch.0mt 75m in Puducherry Phase-I, from Ch.75mt 150m in Puducherry Phase-II and from Ch.150mt 225m in Puducherry Phase-III.
- Providing U drain in the Northern side of the Attupatti Anthoniyar Koil from Vengatasubha Reddiar Square to infall point of Uppar drain in Puducherry.

- Construction of culvert across Pallavoikal at Sudhagar Nagar 9th cross in Second theru in Puducherry.
- Construction RCC drain cum culvert over Pallavoikal near Jaya Nagar, Reddiarpalayam, Puducherry.
- Demarcation and desilting pandasozhanallur tanks surplus coarse in Vadukuppam and kalmandapam village, Puducherry
- Demarcation, construction of protection wall and formation of track along the Sambodai channel from Sanniyasikuppam kondam to Police station at Thirubuvanai, Puducherry.
- Demarcation and desilting at Kariyamanikkam Ural voikkal in Nettapakkam Commune, Puducherry.
- Construction of drain at Nettapakkam drainage channel form Nesavalar nagar to old colony and from Ambedkar Ist street to Potharajakulam in Nettapakkam commune, Puducherry.
- Construction of Sellangal channel in the downstream side of Madagadipet inlet to Vinayagar Kuttai, Puducherry.
- Construction of drainage arrangements in Irrigation voikkal from Korkadu kulam to Guduvaiyar in Korkadu Revenue Village, Puducherry.
- Reconstruction of RCC culvert across Keelparikalpet tank feeder channel near inlet regulator of Keelparikalpet thangal for approach to the Mullodai Kuruvinatham road at Parikalpet village in Bahour Commune, Puducherry.
- Construction retaining wall on both sides of Aratchikuppam village in Bahour Commune, Puducherry.
- Improvements to the inspection track of Western bund of Oussudu tank.
- Forming inspection track over the left bank of Thirukkanur Periya Eri feeding channel from off taking point upto Manndipet tank.
- Construction of retaining wall to the inspection track of Vadhanur and Sompet tanks from ch.500m to 620m at Vadhanur Village in Mannadipet Commune in Puducherry.
- Formation of flood bank and strengthening the existing river bank in both sides of Sankarabarani river from Ariyapalayam to Railway track, Villianur commune, Puducherry.
- Raising the existing retaining wall in the L/B and R/B of Malatar river at Vadukuppam village, Nettapakkam commune, Puducherry.
- Construction of retaining wall in both side of drinage channel Thanikuppam Village Nettapakkam commune, Puducherry.
- Block topping to the approach road from Thukkupalam to Nallathur road, Puducherry.
- Connecting the feeder channel from Kirumampakkam Chinna Eri Palla madhagu to Chavadikulam in Bahour Commune, Puducherry.
- Improvements to the Suthukeny channel from off take point to Kunimuduku regulator.
- Improvements to the Suthukeny channel from Kunimuduku regulator to infall point
- Reconstruction of Reddiyar madagu at Thondamanatham village, damaged portion of surplus channel in Oussudu tank, damaged Kunimudakku shutter in Suthukeny channel and damaged Head Regulator shutter in Suthukeny channel.

- Desilting the Suthukeny channel from Head regulator to Thuthipet Old bridge (from Ch.0m to Ch.11,190m).
- Reconstruction of RCC culvert across Lingareddipalayam Periya Vellavari channel near Patcha Vazhi Amman Nahar in Lingareddipalayam, Mannadipet Commune, Puducherry.
- Construction of RCC Box culvert across Katterikuppam Tank Irrigation Supply channel in Katterikuppam, Puducherry.
- Converting Iyyanarkoil drain on road cum flood carries from Police Station to Thennan Sali road in Puducherry.
- Construction of RCC retaining wall on western bund of Murungapakkam Eri surplus course near Sree Angalamman Temple at Murungapakkam in Puducherry.
- Construction of retaining wall in the Pallavoikal channel from the downstream of NH45A at Oulgaret near Sivagami Nagar to Railway crossing culvert P98 at Sudhagar Nagar and Branch channel upto NH45A road near Hero Honda Show room in Puducherry.
- Construction of drainage voikkal near Rice mill to uppar river in Thavalkuppam Revenue village, Ariyankuppam commune, Puducherry.
- Re-modernization of the Vellavari voikkal in Maducarai village, Nettapakkam commune, Puducherry.
- Cleaning the all feeder, supply and drainage channels in Bahour Commune, Puducherry.
- Protecting the both banks of Noolar above Surakudy road culvert in Thenoor.
- Protecting the both banks of Noolar at downstream side of Melaveli regulator in Thenoor.Improvements to the RB of Vanjiar from Subrayapuram foot bridge to Lingathady regulator in Karaikal.
- Forming and strengthening the LB of Subrayapuram drainage channel from Keezha Subrayapuram road culvert to Thakkalore road culvert in Karaikal.
- Construction of drainage on both sides of pullambil road from maadapeedikapookom poad upto border in mahe region.
- Providing lead channel and cross culvert to avoid flooding in Chalakkara area.
- Bank protection for channel and cross culvert to avoid flooding in chalakara area.
- Construction of barrage at moolakkadavu, pandakkal.
- Reconstruction of sluice shuttering arrangements at Agrapharam and Tikkireddy sluice in Yanam.
- Construction of sluice screw gearing shutters to the drainage outlet in Farampeta village and Savithri Nagar, Yanam.
- Urgent repairs to the screw gearing shutters to the drainage outlet in Ayyanna Nagar, Yanam.
- Urgent protection to the left bank of coring river with gabion walls from Thoto street to Yanam Kakinada bridge in Yanam.
- Amount to be paid to M/s. NCPE, Hyderabad towards Consultancy charges for flood works in Yanam.
- Renewing the B.T. surface from Shivam Bath to Rajeev Park at Beach in Yanam.

- Protecting the M.S. Electrical control panel boards with brick work for street lights / high mast lights at Beach and Kanakalapeta flood road in Yanam.
- Replacement of damaged electrical panel boards at Beach in Yanam.
- Protecting the eroded portion due to floods July/August 2013 near pier of bridge at G.M.C. Balayogi Varadhi at Beach in Yanam.
- Protecting the eroded portion due to floods July/August 2013 at Bharatha Matha statue and at Rajeev Park, Beach in Yanam.
- Urgent repairs to the damaged bund portion on left bank of coringa river from boat street to Yanam Kakinada bridge in Yanam .
- Charges to be paid to Pondicherry engineering college towards concorence evolution report for flood protection works in Yanam.
- Restoration of slipped coringa river west bank near new bridge in Yanam.
- Restoration and strengthening of damaged coringa river west bund near Sivalayam in Yanam.
- Urgent repairs to Benches, steps, platform, pavers damaged due to floods July 2013 at Beach in Yanam.
- Dredging the coringa river mouth silted up due to floods in 2013 near Tidal lock in Yanam.
- Repairs to Ferry road damaged platforms from Flagmast to Ferry point in Yanam.
- Urgent repairs to Street lights at Beach in Yanam.
- Dredging the silted area of jetty at Dariyalathippa, Yanam.
- Desilting the drinage course from Ayyanna Nagar sluice to Yanam steels in Adivipolam area, Yanam.
- Dredging and restoration of silted up Savithri Nagar Fishery Harbour approach channel and Gurempeta creek for navigation in Yanam.
- Restoration of slipped Coringa river west bank near new bridge in Yanam.
- Restoration and Strengthening of damaged Coringa river West bund near Sivalayam in Yanam.

Negotiated Loan

- Construction of High level bridge across river Sankaraparani at Thirukanji near IOC bottling plant in Villianur commune
- Construction of RCC drain for Oulgaret Pallavaoikal from Gundu Salai road Culvert (Moolakulam) NH 45A road culvert at Jaya Nagar, Puducherry (spill over).
- Construction of a drain from perambai road culvert to Authuvoikal at Authuvoikal Villianur, Puducherry.
- Improvements to Manavelly to Odaiampet channel in Villanur Commune, Puducherry
- Improvements to Karuvadikuppam drain grom Ginger Hotel bridge to Adithi Hotel bridge in M.G. road by providing protection wall on both sides and cement concrete lining at the bottom with regarding in Puducherry.

6. Remarks : Continuing Scheme