

WATER SUPPLY & SANITATION

Puducherry region relies totally on ground water resource. Karaikal, Mahe and Yanam regions depend both on surface and ground water. The system of water supply is bifurcated into two namely, the Urban Water Supply and Rural Water Supply.

Urban Water Supply is being effected through pipe line by storing water through Over Head Tanks at several locations ranging from 10 to 24 lakhs litres capacity in Puducherry region. The only source is under ground water by providing deep borewells.

Under Rural Water Supply scheme, the water supply systems are being maintained by concerned Commune Panchayats except at Head Quarters of Commune Panchayats in the rural habitation. Regarding creation of new infrastructure facility on Water Supply, the Public Works Department undertakes various works like sinking of borewells, construction of sumps, Over Head Tanks, laying of pipelines with pumps and Gensets. The completed scheme will be handed over to concerned commune Panchayats for operation and maintenance. The systems are designed to provide 70 LPCD safe drinking water to Rural Habitations.

It is proposed to re-habilitate the town Water Supply System in the Town which laid 30 years back and by replacing the pipelines and construction of Over Head Tank including Road restoration works. The cost of the scheme is nearly 60 crores which is extended under HUDCO Loan. Augmentation of water supply for Ariyankuppam and surrounding areas will be taken up to a tune of 48 crores under NABARD Loan Assistance Scheme.

ACHIEVEMENTS DURING 2007-11

- Providing protected water supply by installing and commissioning of IRP at Bharathipuram new source, Puducherry.
- Providing high tension electrification work for OHT at Uppalam, Puducherry.
- Construction of 10 lakh litres capacity double decker circular OHT and 5 lakh litres capacity sump at Dr.Radhakrishnan Nagar, Moolakulam, Puducherry.
- Laying of distribution grid lines and house service connection for Kurunji Nagar, Kumaran Nagar, Navakulam and adjoining areas (Distribution system) in Puducherry.

- Augmentation of water supply scheme at Karasurpet in Villianur commune, Puducherry.
- Construction of RCC UGR of 3.00 lakh litres capacity at Pillaiyarkuppam Village in Bahour Commune Puducherry.
- Providing and laying pumping main line 300 mm dia from bore well to OHT site.
- Construction of RCC UGR of 5.00 lakh litres capacity at Moorthikuppam Village in Bahour Commune Puducherry.
- Augmentation of water supply scheme at Melsathamangalam and Keezsathamangalam in Villianur commune, Puducherry.
- Construction of circular OHT for 5lakh lits capacity and circular UGR of 2.50lakh lites capacity and Providing and laying distribution line and pumping main at Madagadipet village in MCP.
- Improvements to the existing water supply system at Sanjeevi Navgar in Oulgaret Municipality, Puducherry
- S/W: Constn. Of RCC OHT tp a capacity of 1.50 lakhs litres, Constn. Of RCC UGR to a capcity of 50000 litres, providing and laying booster lines at Sanjeevi Navgar in Oulgaret Municipality, Puducherry.
- Improvements to the existing water supply system at Alankuppam in Oulgaret Municipality, Puducherry.
- Construction of OHT of 2.5 lakh litres capacity construction of RCC UGR of 1.00 lakh litres capacity and providing and laying distributionb line at Embalam village in NCP.
- Construction of RCC OHT of 1.50 lakh litres capacity, RCC UGR of 50000 litres capacity and providing and laying booster lines from the new OHT to the existing grid at Katteri village (Katterikuppam) in Mannadipet commune, Puducherry.
- Construction of RCC-OHT of 2.00 lakh litres capacity and UGR of 1.00 lakh litres capacity and providing and laying Booster lines from the new OHT to the existing grid at Lingareddipalayam village in Mannadipet commune, Puducherry.
- Construction of RCC OHT of 1.50 lakh litres capacity, RCC UGR of 50000 litres capacity @ Providing and laying distribution lines to the internal streets of Nallur and Kuchipalayam Village in Mannadipet commune, Puducherry.

- Construction of RCC-OHT of 2.00 lakh litres capacity and UGR of 1.00 lakh litres capacity and providing and laying Booster lines from the new OHT to the existing grid at Kuppam village in Mannadipet commune, Puducherry.
- Construction of RCC OHT of 2.50 lakh litres capacity, RCC UGR of 1.00 lakh litres capacity and Providing and laying distribution line and pumping main at Karikalampakkam Village in Nettapakkam Commune, Puducherry.
- Comprehensive of water supply scheme to Nonankuppam and Tolgate villages in Ariyankuppam Commune Puducherry.
- Mahe Anjarakandy Water Supply System completed.
- Augmentation of water supply in Zone-III & IV will be completed. The work in Zone-VIII is in progress.
- Construction of 2 lakhs liters capacity of OHT at Ambedkar Nagar Yanam and providing pumping main from junctions Water works to Ambedkar Nagar Yanam.
- Construction of 2 lakh liters capacity of OHT at Kanakalapeta water works at Kanakalapeta, Yanam.
- Construction of 4 lakhs liters capacity OHT in Water works at Dariylathippa Village Yanam are completed.

LIKELY ACHIEVEMENTS DURING 2011-12

Improvements to 68 ongoing works to the existing Water Supply scheme, providing water supply to sub-urban areas, 50 ongoing works under Rural Water Supply, 18 works under extension of sewerage facilities to urbanisable area, supply, erection and commissioning of 40 KVA/32 KW generator set, augmentation of water supply, sinking of new borewell, improvements to water supply system, providing additional source of water supply, construction of sump, pump house, compound wall, construction of OHT extension of water supply line, desilting and deepening of drainage laying and relaying of pipe line, construction of reservoir etc. at required places / areas will be taken up.

PROPOSED TARGETS FOR 2012-13

- Construction of RCC Culvert to accommodate Sewage lines crossing the Runway of Puducherry Airport, Puducherry

- Rehabilitation of water supply Distribution Grid in Zone.I Part I(South) of Puducherry
- Rehabilitation of water Supply Distribution Grid in Zone.I Part II (Central) of Puducherry
- Rehabilitation of water Supply Distribution Grid in Zone.I Part II (Central) (OHT, Raising and Road) of Puducherry Town
- Rehabilitation of Water Supply Distribution Grid in Zone I Part.III (North) of Puducherry Town
- Rehabilitation of Water supply Distribution Grid in Zone I, Part I (South) and Part III (North) of Puducherry Town (Road Restoration by PWD Puducherry)
- Proposed water supply scheme for Sulthanpet village and surrounding areas in Oulgaret commune, Puducherry.
- Acquisition of land in RS.No.9/4 Reddiarpalayam revenue village for Construction of collection well & pumping station for zone VI, Puducherry.
- Water Supply Scheme for Madurapet, JJ Nagar, Engineer's Colony, Annai Theresa Nagar, Sivagami Nagar, Friends Nagar, Vayalveli Nagar, Kamal Nagar and surrounding areas in Zone IX, Puducherry
- Augmentation of Water Supply for Dr. Radhakrishnan Nagar, G.N. Palayam, Muthupillaipalayam and adjoining areas in Puducherry
- Sewerage Scheme for the left out portions of Trunk sewer, Pumping main extension, of sewerage facilities to the newly developed areas of Sundarajan Nagar (East & West), Jansi Nagar, Indu Nagar and adjoining areas Zone.III in Puducherry
- Augmentation of water supply system at Ariyur Anandapuram village in Villianur Commune, Puducherry.
- Augmentation of water supply system at Selva Nagar (Uruvaiyar) and Kezhoor village in Villianur Commune, Puducherry.
- Construction of conventional WTP of capacity 20 MLD by utilizing surface water from Oussudu lake, Puducherry.
- Installation and commissioning of a Desalination plant at Kalapet, Pillaichavady Revenue Village, Puducherry.
- Proposed water supply scheme for Sudhana Nagar and adjoining areas (Head works, OHT, pumps and Electrification, Distribution grid, pumping main and Road Restoration), Puducherry

- Proposed Water Supply Scheme for Kombakkam, Kombakkampet, Murungapakkampet and adjoining areas in Puducherry.
- Proposed water Supply scheme for Zone-VII (Muthirapalayam) and adjoining areas in Puducherry (Phase.I&II)
- Proposed water Supply scheme for Zone.VII (Muthirapalayam) and adjoining areas in Puducherry (Road Restoration)
- Construction of Office building for Public Health Division, PWD, Uppalam, Puducherry
- Sewerage Scheme for the area covered by Lenin Street, Kamaraj Street, ECR and NH 45A (Zone-IV, Phase.I) Anna Nagar, D.R. Nagar, Thirumal Nagar and its Surrounding areas)
- Land acquisition providing sewerage facilities to Krishna Nagar area
- Replacement of RCC Trunk Sewer from Muthumariamman Koil street to Main pumping station with D.I. Pipes, Puducherry
- Sewerage scheme to Krishna Nagar and its surrounding areas
- Providing and fixing of ATS for 80 HP submersible pumpset at Vizhidiyur head works in Vizhidiyur.
- Supply of connection materials CI pipes and specials for installation of 50 HP HSC pump & Vacuum pump at Vizhidiyur pumping station in Karaikal.
- Supply of 80 HP Vertical open well submersible pumpset at Vizhidiyur pumping station in Karaikal.
- Supply of Vertical open well submersible pump set at Nedungadu Head works in Karaikal.
- Installation of Chlorination unit at Nehru Nagar OHT in Karaikal.
- Erection of CI materials for Vertical open well submersible pumpset at Nedungadu head works in Karaikal.
- Construction of Chlorination room at Nehru Nagar OHT campus and Ammalchathiram OHT campus in Karaikal
- Installation of Chlorination unit at at Ammalchathiram OHT in Karaikal.
- Construction of Over Head Tank, Sump, Pump house and allied works at Melakasakudy in Nedungadu Commune in Karaikal.
- Construction of compound wall around the OHT at Pandaravadai Sethur in Thirunallar Commune.

- Reactivating the drainage channel connecting Bye-Pass road and Grand channel near Yasar Arafath nagar in Karaikal.
- Reconstruction of culvert across Karaikal channel at Thirunagarpet in Karaikal.
- Construction of 6.00 Lacs liters capacity OHT including a infrastructure facilities and laying delivery line at Pudhuthurai Village in Karaikal
- Construction of Northern side of compound wall at Agalancannu Head works.
- Providing infrastructure facilities to water supply office building at Central zone OHT
- Replacing the 40 HP centrifugal motor pumpset (2 Nos) at Central zone OHT
- SEC of Two Nos of 20 HP Submersible motor pumpset at Shah Nagar OHT in Thirunallar commune.
- Replacing the existing GI sheet roofing and providing paver block at Agalancannu Head works in Karaikal.
- Providing chain link fencing at Chettikottagam Pump house in Thirunallar commune.
- Laying of pumping main connecting Nallazhandur OHT to PASIC bore well
- Construction of compound wall around the newly constructed OHT at pathakudy village in Thirunallar commune
- Construction of retaining wall and approach road to the newly constructed OHT at Pathakudy village in Thirunallar commune.
- Construction of OHT at vallathamangalam village in Thirunallar commune
- Providing and laying of pipe line at Vaniar theru in T.R.Pattinam commune
- Providing of new pipe line from MGR salai to veterinary Hospital along porayar road in Kottucherry.
- Extension of pipe line from Kuppuchetty savady to Nandalar border at poovam.
- Providing fencing to madusaigal street OHT and pump house at Kottucehrry in Kottucherry commune.
- Filling low lying area at Nanavoikal bund (Mandapathur pump house) in Kottucherry.
- Repair works Kunjimani thidal pump house in Kottucherry.
- Construction of infiltration well at Thirumalarajanar river bed in T.R.Pattinam commune
- Construction of OHT at Serumavilangai village in Thirunallar commune, Karaikal

- Extension of water supply facilities to Keezhakasakudypet in Karaikal
- Construction of OHT at Puthakudy village in Nedungadu commune in Karaikal.
- Erection of deep bore well at Puthakudy village in Nedungadu commune in Karaikal.
- Reactivating the branch channel in the northern side of Rajiv Gandhi stadium in Karaikal
- Desilting various urban channels of Karaikal Town.
- Impts. to the Pudukulam tank near regulator market committee Karaikal.
- Reconstruction of Sethilal nagar/ Indira nagar drain connecting Thomas Arul Street and infall point at Arasalar in Karaikal
- SEC of 320 KVA Genset at Nehru Nagar OHT in Karaikal
- SEC of 320 KVA Genset at Nedungadu Head works in Karaikal.
- Construction of radial well at Agalancannu Head works in Karaikal Phase(I)and Phase II
- Construction of Compound wall around Melaoduthurai OHT in Karaikal
- SEC of 500 KVA Genset at Agalancannu Head Works in Karaikal
- S/E/C of MGF and ACF for Melaoduthurai in Karaikal
- Erection of addition of deep bore well at Agalancannu Head works in Karaikal.
- Providing face lift to Central Zone OHT, Karaikal medu OHT and Patchoor OHT in Karaikal
- Construction of OHT at Vadakku vanjore in T.Rpattinam
- Extension of pipe line at Puthutherupet at Serumavilangai in Thirunallar commune.
- Extension of pipe line at Keezhamanaipet and Kakkamozhipet in Neravy commune
- Proposed Water Supply Scheme for Karaikal South Zone, North Zone and Central Zone, Karaikal.
- Construction of OHT at Keezha subrayapuram village in Thirunallar Commune, Karaikal
- Construction of OHT at Ambagarathur village in Thirunallar Commune, Karaikal
- Proposed water supply system for Palloor, Pandakkal, Chalakkara and Chembra areas in Mahe Region

- Providing drinking water supply arrangements new colony adjacent to the cyclone shelter in Guirempeta village in Yanam
- Providing inspection track in water works campus Dariylathippa village in Yanam
- Supplying and fixing submersible motor in water works campus Dariylathippa village Yanam
- Providing lighting arrangement from entrance to rear side along with inspection track in water works campus Dariylathippa village, Yanam
- Face lifting the water works campus in Dariylathippa village, Yanam
- Construction of Sluices at 55 Acres in Yanam".
- Construction of Shed and Providing Power supply connection at 55 Acres in Yanam".
- Laying of pumping main for raw water from Yanam town water works to Dariylathippa village in Yanam I to IV Phases
- Providing Spiral Staircase at 3.75MLD Aerator at Town water works in Yanam.
- Removing and relaying the filter media at rapid sand filters of 4.00MLD treatment plant, Town water works in Yanam.

LOCAL ADMINISTRATION

ACHIEVEMENTS DURING 2007-11

- Providing water supply facilities to the internal streets of Kamaraji Nagar at V.Manavely in Villianur Commune
- Augmentation of Water Supply System for Ponbethy Village Panchayat area
- Augmentation of Water Supply System for Kurumbagaram Village Panchayat area
- Providing pipeline in Thopputheru internal streets, replacement of sluice valve in OHT and construction of stand posts in various places in Neravy (West)
- Providing stand posts at various places and repaying pipelines to Padutharkolai Village in TR Pattinam CP.
- Extension of pipeline to Keezhavanjurepet in TRPattinam CP
- Providing water supply facilities to the Kaliasman koil street and Konar street at manampet in Vizhudiyyur Village in Neravy CP

- Providing stand post at various places and relaying pipeline at first cross internal road in front of Anbu Thidal in TR Pattinam CP
- Augmentation of water supply system for Kurumbagaram Village Panchayat area for the year 2008-2009
- Providing pipeline in Thopputheru internal streets, replacement of sluice valve in OHT and construction of stand post in various places in Neravy (West) Villages Panchayat
- Providing pipeline at Thaikkal street internal road and Kallar street internal road at Neravy (East) Village Panchayat
- Extension of pipeline to link between Karukkankudy and Pathakudy (Phase-I)
- Augmentation of water supply system for Ponbethy village Panchayat area for the year 2008-09
- Augmentation works of Water Supply System will be carried out in many places of the Village Panchayat in Puducherry Region
- Extension of Pipe line in various places in All the Commune Panchayats in Puducherry Regions
- Providing water supply facilities to the Kandasamy Nagar at Pooranankuppam village in A.C
- Providing water supply pipe line to North street (left out portion) at Nonankuppam village in A.C
- Providing water supply facilities to the left out portion of Rajiv Gandhi Nagar (AFT Nagar) at Poornankuppam village in A.C
- Laying of pipe line to the left out portion of Roja Nagar, Anbu Nagar and Ponnambalam Nagar at Poornankuppam
- Extension of pipe line to the Ramakrishna Nagar @ Manvelly village in AC, near Murugan koil at Sellipet
- Providing water supply facilities to the internal streets of Sriram Nagar at Muthupillaipalayam, Manakuppam and Sankaranpet in Villianur Commune
- Laying of pipe line to internal street of Anna Nagar in Kottucherry Commune
- Providing and laying pipeline at Nedungadu Athangarai in Nedungadu Commune
- Improvement to OHT at T.N.Palayam colony in Ariankuppam Commune
- Replacement of 15HP submersible Motor and pumset with electrical accessories at Kudiyiruppupalayampet

- Replacement of 15HP submersible Motor and pumset with electrical accessories at Bahourpet, Manamedupet, Vannankulampet, Irulanchandaipet, Varkalodaipet, Aratchikuppampet, Kuruvinthampet
- Construction of Pump house and compound wall around the bore well at Vadhanur colony and Thethampakkam colony
- Construction of pump house and cement concrete pavement to Manadipet Chinnapet
- Construction of compound wall around the pump hose at Kuppam colony
- Replacement of pipeline at Sembiapalayampet in NCP
- Providing water supply facilities to the extension of Periyapet in Villanur Commune
- Replacement of Water supply line to the internal street of Arasurpet in Villianur Commune
- Replacement of pipe line to the main road at Perungalorepet in V.C
- Providing water supply facilities to Thenkaraipet Village in Kottucherry Commune
- Providing and Laying Pipeline at Various places at Vadamattam
- Interlinking of Water line between Pathakudy Pet and Karukkankudy (Phase-II)

LIKELY ACHIEVEMENTS DURING 2011-12

The funds allocated in the Urban Development Sector under Perunthalaivar Kamaraj Village Renaissance Scheme in the Budget Estimate 2011-12 has been proposed to be diverted to water supply and sanitation sector under the scheme of “Panchayat Rural Water Supply” to the extend of Rs.150.00 lakhs for purchase of Generators to the water supply systems functioning in the Panchayats in the Revised Estimate 2011-12, which will be taken up after re-casting of the budget within this current financial year and the work will be taken up next year 2012-13.

OUTLAY AT A GLANCE

Sector : WATER SUPPLY & SANITATION

No. of Schemes : 4

Department : 1. PUBLIC WORKS
2. LOCAL ADMINISTRATION

(₹ in lakh)

Eleventh Five Year Plan 2007-12 Approved Outlay	:	46633.06
Annual Plan 2007-10 Actual Expenditure	:	14162.09
Annual Plan 2010-11 Actual Expenditure	:	8865.28
Annual Plan 2011-12 Approved Outlay	:	20142.00
Annual Plan 2011-12 Revised Outlay	:	10404.58
Twelfth Five Year Plan 2012-17 Tentative Outlay	:	101373.93
Annual Plan 2012-13 Proposed Outlay	:	13752.40

(₹ 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)	(5)	(6)

PUBLIC WORKS

1.	Rural Water Supply & Operation and Maintenance	1178.25	1612.50	--	--
2.	Urban Water Supply	5115.58	5107.50	--	--
3.	Urban Sanitation	38.00	50.00	--	--
4.	Machinery & Equipments	--	15.00	--	--
5.	Acquisition of land	224.15	250.00	--	--
	Negotiated Loan	2148.80	10887.00	--	--
	Total (Public Works)	8704.78	17922.00	--	--

LOCAL ADMINISTRATION

6.	Grant for Panchayat Rural Water Supply	64.73	98.20	--	--
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(₹ 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 Expr.	Approved Outlay	Proposed Outlay	Proposed Outlay
(1)	(2)	(3)	(4)	(5)	(6)

7.	Grant for Public Health and Rural Sanitation	95.77	121.80	--	--
	Negotiated Loan	--	2000.00	--	--
	Total (Local Administration)	160.50	2220.00	--	--

Schemes for 2012-13 and 2012-17 after Zero Based Budgeting Exercise

PUBLIC WORKS

1.	Rural Water Supply & Operation and Maintenance	--	--	10758.40	2080.00
2.	Urban Water Supply	--	--	34077.67	6387.40
3.	Urban Sanitation	--	--	333.27	120.00
4.	Purchase of Machinery & Equipments and Acquisition of Land	--	--	1769.59	315.00
	Negotiated Loan	--	--	54435.00	4850.00
	Total (Public Works)	--	--	101373.93	13752.40
Total		8865.28	20142.00	101373.93	13752.40

Note: The number of schemes indicates with reference to Draft Annual Plan 2012-13.