

**PUBLIC WORKS DEPARTMENT
WATER RESOURCES DEPARTMENT**

**PERFORMANCE BUDGET
2015-2016**

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Government of Tamil Nadu
2016

PUBLIC WORKS DEPARTMENT WATER RESOURCES DEPARTMENT

1.0. General

Management of water resources is vital to the holistic development of the State due to the growing drinking water needs and industrialisation, in addition to the needs of fisheries, environmental flows and community uses. Taking into account the limited availability of water and increasing demand for various uses, the need for creating new irrigation facilities at feasible locations and modernising, improving and rehabilitating the existing irrigation infrastructure assumes great importance. The Government is continuously striving to improve the service delivery of the irrigation system and to increase the productivity, through improving the water use efficiency, participation of farmers in operation and maintenance, canal automation, benchmarking studies and performance evaluation studies and building the capacity of Water Resources Department officials and farmers.

In addition, the Government is taking up various schemes, viz., Rivers Inter-linking schemes, Artificial Recharge Schemes, Flood Management Programme, Coastal protection works, Restoration of Traditional water bodies, Augmenting drinking water supply, etc., to harness, develop and effectively utilise the seasonal flood flows occurring over a short period of time during monsoon.

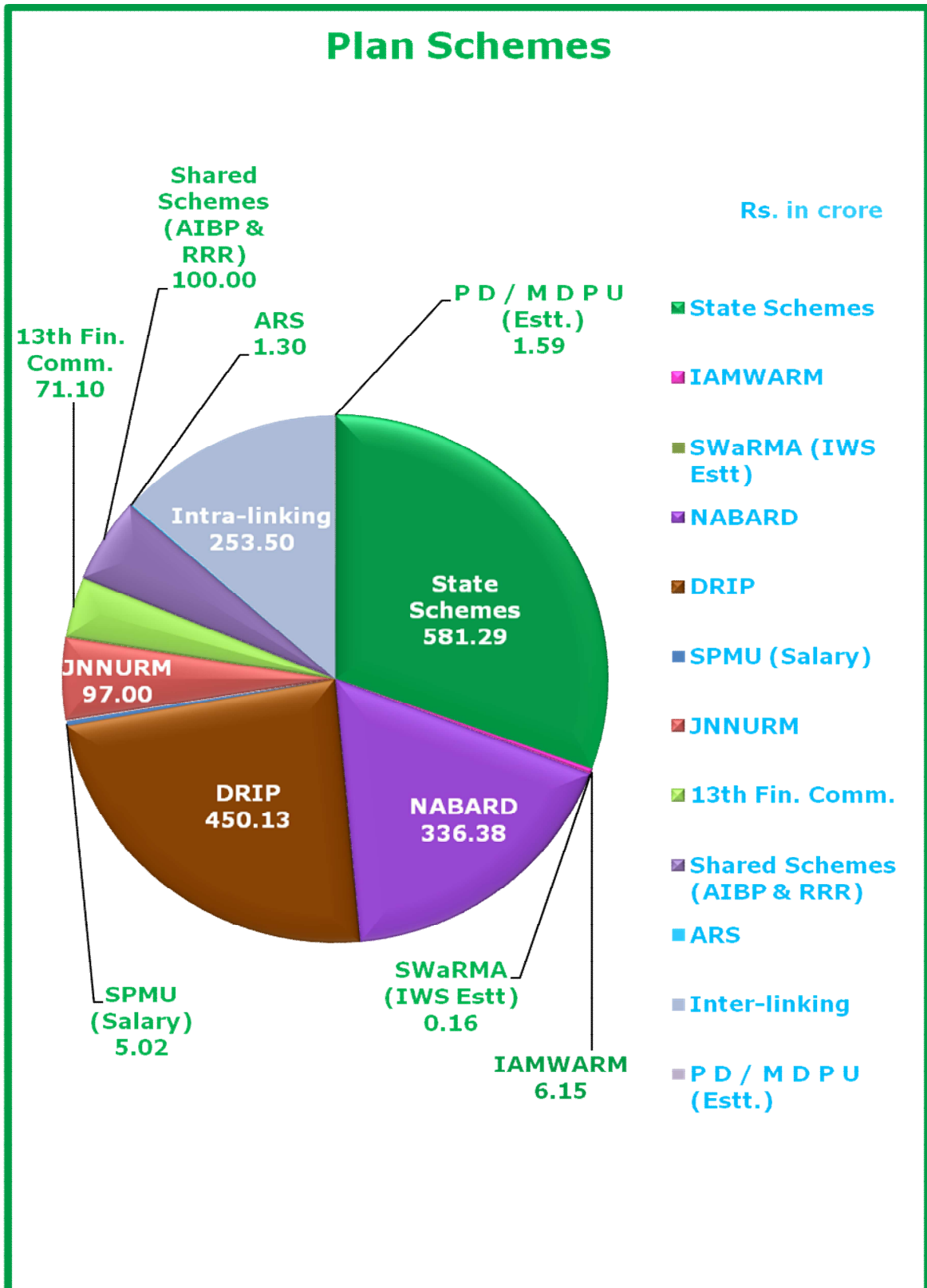
2.0. Outlay and Expenditure for the year 2015-2016

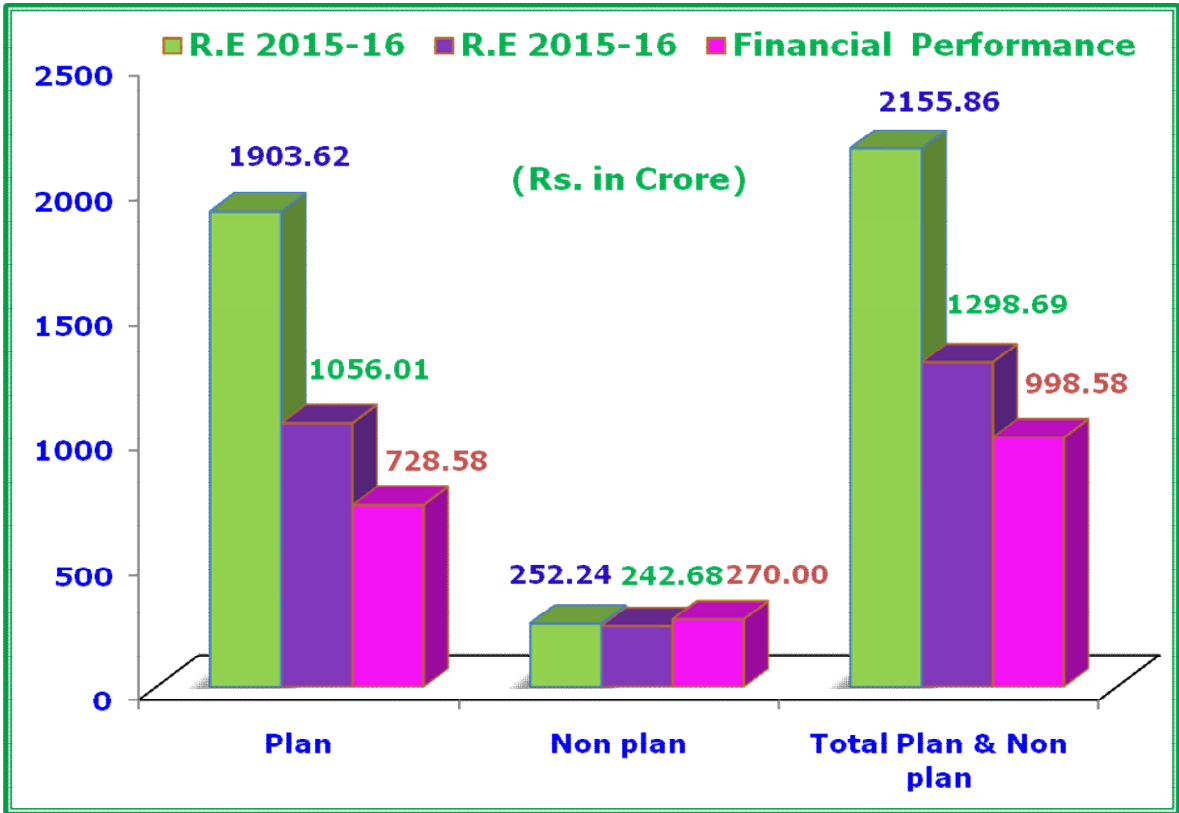
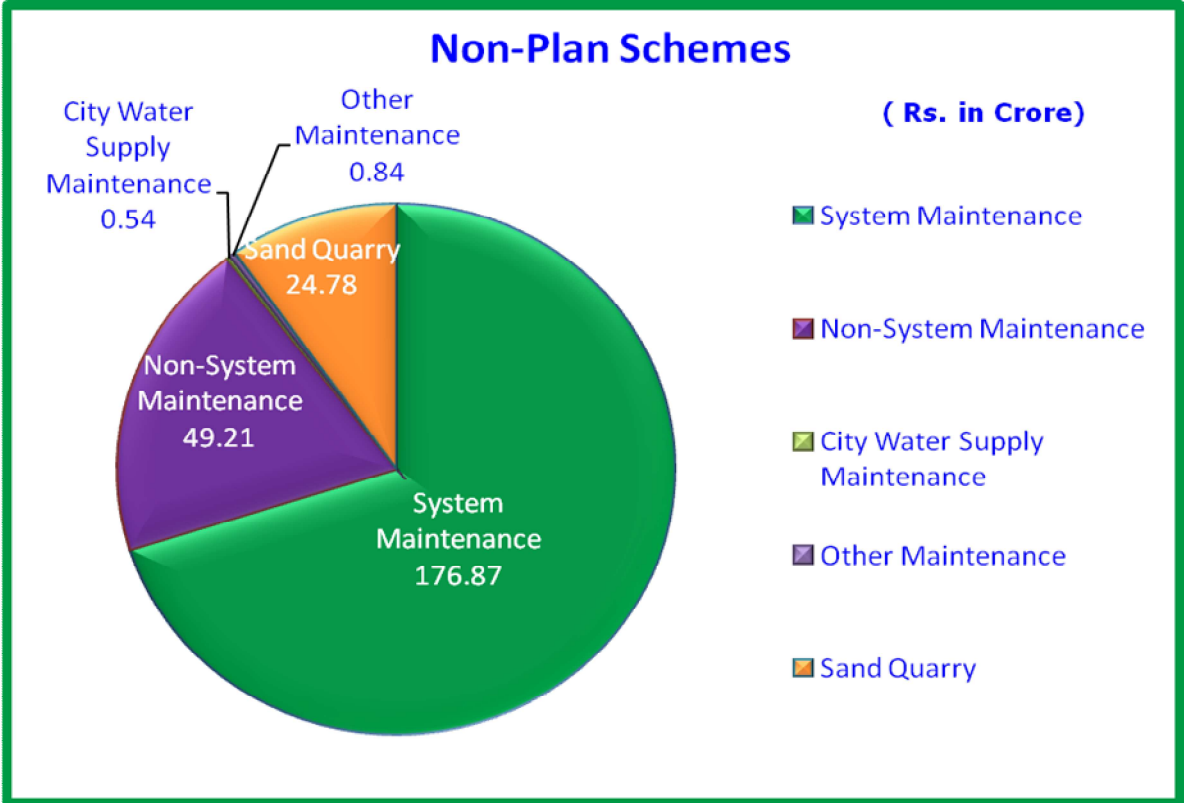
The performance as against budgetary provisions for the year of 2015-2016, approved under Demand No.40 (Irrigation) are as mentioned below:

(Rs. in crore)

Scheme	B.E. 2015-16	R.E. 2015-16	Expenditure
Plan			
State Funded Schemes	581.29	362.91	253.33
IAMWARM Project	6.15	24.77	21.86
SWaRMA	0.16	1.22	0.72
NABARD	336.38	288.98	300.87
NADP	-	0.01	0.01
DRIP	450.13	143.42	59.42
SPMU (Salary)	5.02	9.91	5.40
JNNURM	97.00	54.45	34.71
Grants in aid of the 13th Finance Commission	71.10	27.79	25.69
Central – State shared schemes (AIBP & RRR)	100.00	25.38	16.06
Artificial Recharge Scheme	1.30	1.78	1.74
Inter Linking of Rivers	253.50	113.16	7.02
Sub Total Plan schemes (Works)	1902.03	1053.78	726.81
PD/M D P U (Estt.)	1.59	2.23	1.77
Sub Total Plan (Estt.)	1.59	2.23	1.77
Sub Total (Plan)	1903.62	1056.01	728.58
Non Plan			
System Maintenance	176.87	176.79	204.06
Non-System Maintenance	49.21	49.21	48.75
City Water Supply Maintenance	0.54	0.54	0.52
Other Maintenance	0.84	0.84	0.82
Sand Quarry	24.78	15.30	15.85
Sub Total (Non Plan)	252.24	242.68	270.00
GRAND TOTAL (Plan and Non Plan)	2155.86	1298.69	998.58

FUNDS APPROVED UNDER DEMAND No.40





3.0. Schemes implemented during the year 2015-2016

Some of the important schemes implemented during 2015-16 are as below:

- The World Bank assisted Irrigated Agriculture Modernisation and Water-bodies Restoration and Management (IAMWARM) Project.
- Restoration of Traditional Water bodies and Coastal Protection Works taken up with the grants-in-aid of the 13th Finance Commission.
- Artificial ground water Recharge Schemes
- The World Bank assisted Dam Rehabilitation and Improvement Project (DRIP)
- State funded Schemes.
- Schemes / Works implemented with the loan assistance of the National Bank for Agriculture and Rural Development (NABARD).
- Centre-State shared schemes under implementation:
- Jawaharlal Nehru National Urban Renewal Mission (JNNURM)
- Repair, Renovation and Restoration (RRR) of water bodies directly linked to agriculture.
- The Asian Development Bank assisted Climate Change Adaptation Programme in the Cauvery delta.
- Cauvery Modernisation scheme under the Accelerated Irrigation Benefit Programme (AIBP).
- Desilting of Dams.
- Schemes for inter-linking of rivers within the State.

3.1. CREATION OF NEW IRRIGATION INFRASTRUCTURE

3.1.1. Formation of New Reservoirs

Works completed

- Upgradation of Peikulam, Pottaikulam and Korampallam tanks into Reservoirs in Thoothukudi Taluk and District was completed at an estimated cost of Rs.20.07 crore.

Works in progress

- Surveying and levelling operations for detailed investigation at an estimated cost of Rs.0.10 crore for the proposed formation of a new Reservoir across Pennaiyar river at the confluence point of Chinnar river at Vaniodu near Sikalapalli village in Hosur Taluk of Krishnagiri District are in progress.
- Formation of a New Reservoir across Marudaiyar river near Kottarai Village in Alathur Taluk of Perambalur District at an estimated cost of Rs.124.20 crore is in progress.
- Formation of a new reservoir at Kannankottai Village in Tiruvallur District at an estimated cost of Rs.330.00 crore by merging the existing two tanks, viz., Kannankottai Hissa Rajaneri tank and Thervaikandigai tank is in progress.
- Formation of Earth Dam and construction of Spillway and River Sluices across Malattar River at Bathallapalli Village in Gudiyatham Taluk of Vellore District at an estimated cost of Rs.29.55 crore are under implementation.

3.1.2. Construction of New Barrage

Work in progress

- Administrative Sanction accorded for Rs.24.00 lakh for detailed investigation and soil investigation for the scheme of construction of New Barrage across Kollidam near Adhanur and Kumaramangalam Villages. Based on the detailed investigations carried out, the Detailed Project

Report for this project has been prepared at a cost of Rs.430.00 crore, and the same is under consideration.

3.1.3. New Anicuts and Regulators

Work completed

- The tail end regulator across Kandaparisinar drain at L.S. 26.40 km in Jambuvanodai Village of Thiruthuraipoondi Taluk of Thiruvarur District was constructed at an estimated cost of Rs.3.00 crore, benefiting an ayacut of 250 acres.

Works in progress

- Reconstruction of Anjanakarankulam Anicut across Thirumanimuthar river in Natham Village of Natham Taluk of Dindigul District at an estimated cost of Rs.1.65 crore is in progress.
- Construction of New Tail end Regulator across Nallur Uppanar Drain in Kodakkaramoolai Village of Sirkali Taluk of Nagapattinam District at an estimated cost of Rs. 1.78 crore is in progress.
- Construction of New Tail end Regulator across Nallur Chinnar Drain in Puliyaundururai Village, Sirkali Taluk of Nagapattinam District, at an estimated cost of Rs.1.33 crore is in progress.
- Construction of Anicut across Vellar River near Athiyur Village of Kunnam Taluk of Perambalur District at an estimated cost of Rs.8.11 crore is in progress.
- Construction of Anicut across South Vellar to feed Alapirandan Tank of Aranthangi Taluk of Pudukkottai District at an estimated cost of Rs.7.09 crore is in progress.
- Construction of Anicut across Manimuthar River near Udhayachi Village to feed Kalkudi and its group of tanks in

Devakottai Taluk of Sivagangai District at an estimated cost of Rs.10.60 crore will be taken up.

- Construction of Anicut across Nariyar to feed Mudathani tank, Kothamangalam tank and Seethambalpuram tank and improvements to supply channels in Alivalam Village of Pattukottai Taluk of Thanjavur District at an estimated cost of Rs.3.73 crore are in progress.
- Construction of new Regulator across Koraiyar at LS 130.00 in Paingattur Village of Mannargudi Taluk of Thiruvarur District at an estimated cost of Rs.3.00 crore is in progress.
- Construction of an Anicut across Cheyyar river near Arumbalur Village to feed Odhalavadi Tank in Polur Taluk of Tiruvannamalai District at an estimated cost of Rs.7.21 crore is in progress.

3.1.4. Formation of New Check dams / Bed dams / Grade walls

Works completed

- Check dam across Santhanavarthini river in Vembarpatti Village of Dindigul Taluk and District was constructed at an estimated cost of Rs.4.00 crore benefiting an ayacut of 250 acres. In addition, 19 acres of ayacut under Pulankulam tank is also benefited by this scheme.
- Check dam across Santhanavarthini river in Avilipatti Village of Dindigul Taluk and District was constructed at an estimated cost of Rs.3.50 crore, benefiting an ayacut of 300 acres. Further, 29.66 acres of ayacut under Nedunkulam tank is also benefited by assured supply.
- Check dam across Santhanavarthini River in Kombaipatti Village of Dindigul Taluk and District was constructed at an estimated cost of Rs.1.75 crore, benefiting an ayacut of 15.65 acres by means of ground water recharge.

- Grade wall across Veeracholan River at LS 131.20 Km in Vasishtacheri Village of Tharangambadi Taluk of Nagapattinam District was reconstructed at an estimated cost of Rs. 0.95 crore.
- Check dam near Milithane in Nedugula (Kappatty) Village of Kothagiri Taluk in The Nilgiris District was constructed at an estimated cost of Rs.0.65 crore.
- Bed dam across river Cauvery at LS 98.40 km to feed A 73 – Veppathur Channel in Thiruvisanallur Village of Thiruvudaimaruthur Taluk of Thanjavur District was constructed at an estimated cost of Rs.2.00 crore, benefiting an ayacut of 1,381 acres.
- Grade wall across Koraiyar at LS 149.230 km to maintain the theoretical bed level and to feed Uppur channel in Uppur Village of Thiruthuraipoondi Taluk of Thiruvarur District was constructed at an estimated cost of Rs.1.62 crore.
- Grade wall across Maraikkoraiyar at LS 17.290 km to maintain the theoretical bed level and to feed New Thondiyakadu channel in Idumbavanam Village of Thiruthuraipoondi Taluk of Thiruvarur District was constructed at an estimated cost of Rs.0.94 crore.
- Grade wall across Solasudamaniyar river in Perumpannaiyur Village of Kudavasal Taluk of Thiruvarur District was constructed at an estimated cost of Rs.0.71 crore.
- Check dam across Ayyar River in Chithambur Village of Musiri Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.6.45 crore, benefiting an ayacut of 162 acres.
- Check dam across Nandiyar river in Vellanur Village of Lalgudi Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.3.20 crore, benefiting an ayacut of 145 acres.

- Check dam across Uppar river in Irungalur Village of Mannachanallur Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.3.20 crore, benefiting an ayacut of 210 acres.
- Check dam across Ariyar River in Ammapettai Village of Srirangam Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.3.06 crore, benefiting an ayacut of 217 acres.
- Check dam across Karaipottanar River in Nagayanallur Village of Thottiyam Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.2.94 crore, benefiting an ayacut of 483 acres.
- Check dam across Ayyar River near Veeramachanpatty Village of Thuraiyur Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.2.60 crore, benefiting an ayacut of 340 acres.
- Check dam across Dombatchi River in Malaiyadipatti Village of Manapparai Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.1.66 crore, benefiting an ayacut of 423 acres.
- Check dam across Thalugai River near Naganallur Village of Thuraiyur Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.1.42 crore, benefiting an ayacut of 104 acres.
- Check Dam across Kannuthu River in A.Reddiyapatty Village near Vaiyampatty of Manapparai Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.0.90 crore, benefiting an ayacut of 293 acres.
- Check dam across Maanodai in Melarasoor Village in Lalgudi Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.0.87 crore.
- Check Dam across Koraiyaru River in Kannivadugapatty Village of Marungapuri Taluk of Tiruchirappalli District was

constructed at an estimated cost of Rs.0.70 crore, benefiting an ayacut of 290 acres.

- Check dam across Uppar Vari in K.Pudupatti Village of Manaparai Taluk of Tiruchirappalli District was constructed at an estimated cost of Rs.0.55 crore.
- Check dam across Vaippar river near Kottaipatti Village of Sivakasi Taluk of Virudhunagar District was constructed at an estimated cost of Rs.5.44 crore, benefiting an ayacut of 309 acres.

Works in progress

- Construction of a Check Dam across Kallar Odai in Siruvalur Village of Ariyalur Taluk and District at an estimated cost of Rs.1.00 crore is in progress.
- Construction of Check dam across Thamarai odai near Kallankurichi Village of Ariyalur Taluk and District at an estimated cost of Rs.0.73 crore is nearing completion.
- Construction of Check Dam across Nallar river in Arthanaripalayam Village in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.1.80 crore is in progress.
- Construction of Check dam across Senjerikarai Odai in Senjeriputhur Village of Suler Taluk of Coimbatore District at an estimated cost of Rs.1.25 crore is in progress.
- Construction of Check dam across Sanganurpallam Odai in Nanjundapuram Village of Coimbatore North Taluk of Coimbatore District at an estimated cost of Rs.1.19 crore is in progress.
- Construction of Check Dam across Gadilam river near Maligampattu Village of Panruti Taluk of Cuddalore District at an estimated cost of Rs.5.00 crore is in progress.
- Construction of a Check Dam across Vaniyar river in Paraiyapatty Pudur Village of Pappireddipatty Taluk of Dharmapuri District at an estimated cost of Rs.1.26 crore is in progress.

- Construction of a Check Dam across Yeamathirtha Odai in Pudinatham village near Mambadi in Harur Taluk of Dharmapuri District at an estimated cost of Rs.0.56 crore is in progress.
- Construction of Check dam across Kodaganar River in Ayyampalayam Village of Dindigul Taluk and District at an estimated cost of Rs.5.65 crore is in progress.
- Construction of Check dam across Odai in Perumugai Village in Gobi Taluk of Erode District at an estimated cost of Rs.1.94 crore is in progress.
- Construction of Check dam across Odai near Minthangi in Burgur Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.1.33 crore is in progress.
- Construction of Check dam across Odai in Avalpundurairi Village in Erode Taluk and District at an estimated cost of Rs.1.17 crore is in progress.
- Construction of Check Dam across Nelvoy Madavu near Nelvoy Village in Maduranthagam Taluk of Kancheepuram District at an estimated cost of Rs.1.00 crore is in progress.
- Construction of Check Dam across Maduvu in Angampakkam Village in S.F.No.133 near Walajabad in Kancheepuram Taluk and District at an estimated cost of Rs.0.52 crore is in progress.
- Construction of Check Dam across Pannivoikkal at the upstream side of Pannaiyoor Bridge near Rajakkamangalam Village in Agastheeswaram Taluk of Kanniyakumari District, at an estimated cost of Rs.1.55 crore is in progress.
- Construction of Check dam across Amaravathi River near Periyar Nagar in Andankoil Village of Manmangalam Taluk of Karur District at an estimated cost of Rs.15.16 crore is in progress.

- Construction of Check Dam across Pungar River near Pudupatti Village in Krishnarayapuram Taluk of Karur District at an estimated cost of Rs.2.83 crore is in progress.
- Construction of Check dam across Nanganjiyar River at Sellivalasu Village in Aravakurichi Taluk of Karur District at an estimated cost of Rs.1.71 crore is in progress.
- Construction of Check Dam across Kovaiaru (Gundumada halla) in Anchetty Village in Denkanikottai Taluk of Krishnagiri District at an estimated cost of Rs.1.26 crore is in progress.
- Construction of Check Dam across jungle stream near Bevanatham Village in Denkanikottai Taluk of Krishnagiri District at an estimated cost of Rs.0.44 crore is in progress.
- Construction of Check dam across Koraiyar River near Suriyur (Villarodai) Village in Kolathur Taluk of Pudukkottai District at an estimated cost of Rs.3.09 crore is in progress.
- Construction of Check Dam across Sarabanganathi in Muthunaickenpatti Village of Omalur Taluk of Salem District at an estimated cost of Rs.1.20 crore is in progress.
- Construction of Check dam across Virusuliyar river in Kavanur Village in Thirupathur Taluk of Sivagangai District at an estimated cost of Rs.1.71 crore is in progress.
- Construction of Check dam near Kookalthurai Village in Kothagiri Taluk of the Nilgiris District at an estimated cost of Rs.0.90 crore is in progress.
- Construction of Check dam near Odayaratti Village in Udhagamandalam Taluk of the Nilgiris District at an estimated cost of Rs.0.71 crore is in progress.
- Construction of Check Dam across Agniar river near Neivelivadapathi Village in Orathanadu Taluk of Thanjavur District at an estimated cost of Rs.7.45 crore is in progress.
- Re-Construction of Bed dam across Cauvery river at Manajeri Village of Kumbakonam Taluk of Thanjavur

District at an estimated cost of Rs.1.47 crore is in progress.

- Construction of 2 Check dams across Vaigai river at Valipparai and Govindanagaram Villages in Andipatti Taluk of Theni District at an estimated cost of Rs.4.95 crore are in progress.
- Construction of Check Dam across Vaigai River in Myladumparai Village in Andipatti Taluk of Theni District at an estimated cost of Rs.2.40 crore is in progress.
- Construction of Check Dam across Vaigai River near Ambasamudram Village of Theni Taluk and District at an estimated cost of Rs.2.34 crore is in progress.
- Construction of Check Dam across Kottakudi River near Theerthathotti Murugan Temple at Kodangipatti Village of Bodinayakanur Taluk of Theni District at an estimated cost of Rs.1.55 crore is in progress.
- Construction of Check Dam across Kottagudi river near Pattakkalam in Bodinayakanur Village and Taluk of Theni District at an estimated cost of Rs.1.09 crore is in progress.
- Construction of Check Dam across Koothanatchiyar odai near Kamayagoundanpatti and Narayanadevanpatti Villages in Uthamapalayam Taluk of Theni District at an estimated cost of Rs.0.62 crore is in progress.
- Construction of Check Dam across Sudhagangai Odai near T.Renganathapuram Village in Uthamapalayam Taluk of Theni District at an estimated cost of Rs.0.48 crore is in progress.
- Construction of Check Dam across Thamirabarani river near Serndamangalam Village (Mukkani) in Srivaikundam Taluk of Thoothukudi District at an estimated cost of Rs.25.75 crore is in progress.
- Construction of Check dam across Vaippar river in S.F.No.205 of Keelnattukurichi Village in Ettayapuram Taluk

of Thoothukudi District at an estimated cost of Rs.9.20 crore is in progress.

- Construction of Check dam across Karumeniyar River near Kombankulam Village in Sathankulam Taluk of Thoothukudi District at an estimated cost of Rs.1.23 crore is in progress.
- Construction of Check Dam across Nandiyar River in Iruthayapuram Village in Lalgudi Taluk of Tiruchirappalli District at an estimated cost of Rs.3.00 crore is in progress.
- Construction of Check Dam across Ayyar River near Thandalaiputhur Village in Musiri Taluk of Tiruchirappalli District at an estimated cost of Rs.2.59 crore is in progress.
- Construction of Check Dam across Uppar River near Sridevimangalam Village in Mannachanallur Taluk of Tiruchirappalli District at an estimated cost of Rs.2.40 crore is in progress.
- Construction of check dam across Ponnaniyar River in Manapparai Taluk of Tiruchirappalli District at an estimated cost of Rs.2.27 crore is in progress.
- Construction of Check dam across Mamundiyyar river in Samudram Village of Manaparai Taluk of Tiruchirappalli District at an estimated cost of Rs.2.09 crore is nearing completion.
- Construction of Check Dam across Kattaru near Kumbakudi Village of Tiruchirappalli Taluk and District at an estimated cost of Rs.1.96 crore is in progress.
- Construction of Check dam across Vellar River near Vembanur Village of Marungapuri Taluk of Tiruchirappalli District at an estimated cost of Rs.1.15 crore is in progress.
- Construction of Check Dam across Shanmuganadhi odai near Thirupattur Village in Mannachanallur Taluk of Tiruchirappalli District at an estimated cost of Rs.1.01 crore is in progress.

- Construction of Check dam across Kannuthu Odai near Kumaravadi Village of Manapparai Taluk of Tiruchirappalli District at an estimated cost of Rs.0.67 crore is in progress.
- Construction of Check dam across Kothamangalam Vari in Alandhur Village of Srirangam Taluk of Tiruchirappalli District at an estimated cost of Rs.0.66 crore is in progress.
- Construction of Check dam across Koraiyar River near Karuppur Village in Manapparai Taluk of Tiruchirappalli District at an estimated cost of Rs.0.57 crore is in progress.
- Construction of Check dam across Palar River near Valayapalayam Village in Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.2.21 crore is in progress.
- Construction of Check dam across Nelalikai Odai in Nelali Village near Ellapalayampudur in Kangeyam Taluk of Tiruppur District at an estimated cost of Rs.2.19 crore is in progress.
- Construction of Check dam across Uppar Odai near Kondampatti Village in Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.1.92 crore is in progress.
- Construction of Check dam across Kosasthalaiyar River in Pattaraiperumpudur Village to channelise water to Arulmigu Veeraragavaperumal temple tank in Tiruvallur Taluk and District at an estimated cost of Rs.25.00 crore is in progress.
- Construction of Check Dam across Cooum river near Putlur Village in Thiruvallur Taluk and District at an estimated cost of Rs.6.22 crore is in progress.
- Construction of Check dam across Suganadhi near Mummuni Village in Vandavasi Taluk of Tiruvannamalai District at an estimated cost of Rs.1.27 crore is in progress.
- Construction of a Grade wall across Cauvery River near Mathirimangalam Village in Kuthalam Taluk of

Nagapattinam District at an estimated cost of Rs.1.49 crore is in progress.

- Construction of Grade Wall across Kaduvaiyar near Kakkalani Village of Keevalur Taluk of Nagapattinam District at an estimated cost of Rs.1.46 crore is in progress.
- Construction of a Grade wall across Nattar river at mile 70/3 to feed Kanjivoi channel, Nagambady Channel and Nallavur channel in Kodimangalam Village of Kuthalam Taluk of Nagapattinam District at an estimated cost of Rs.1.33 crore is in progress.
- Construction of Grade wall across Veeracholan River in Kothangudy Village of Tharangambadi Taluk of Nagapattinam District at an estimated cost of Rs.0.93 crore is in progress.
- Construction of Grade wall across Vikraman River near Melapannaiyur Village in Mayiladuthurai Taluk of Nagapattinam District at an estimated cost of Rs.0.92 crore is in progress.
- Construction of Grade Wall across Puthar River near Kottur Village of Nagapattinam Taluk and District at an estimated cost of Rs.0.84 crore is nearing completion.
- Construction of Grade wall across Mahimalaiyar River near Muruganthottam Village of Kuthalam Taluk of Nagapattinam District at an estimated cost of Rs.0.52 crore is in progress.
- Construction of Grade wall across Cauvery river at mile 37/6 to feed Thiruvaiyaru, Kalyanapuram and Oomai channels in Thiruvaiyaru Village of Thiruvaiyaru Taluk of Thanjavur District at an estimated cost of Rs.7.00 crore is in progress.
- Construction of Grade wall across Pamanaiyar River in Palaiyur Village of Mannargudi Taluk of Thiruvavur District at an estimated cost of Rs.1.68 crore is in progress.

- Construction of Grade wall across Koraiyar at LS 128.540 km to Maintain the theoretical bed level and to feed Kadaitheru channel in Kadaitheru Village of Mannargudi Taluk of Thiruvarur District at an estimated cost of Rs.1.04 crore is in progress.
- Construction of Grade wall across Arasalar River in Nallicheri Village of Kudavasal Taluk of Thiruvarur District at an estimated cost of Rs.1.40 crore is in progress.
- Construction of Grade wall across Koraiyar river at mile 62/1 to maintain the theoretical bed level to feed A1 Hanumanthapuram channel in Needamangalam Taluk and Village of Thiruvarur District at an estimated cost of Rs.1.36 crore is in progress.
- Construction of Grade wall across Kandaparichannar branch channel in Kumuttithidal Village of Mannargudi Taluk of Thiruvarur District at an estimated cost of Rs.0.86 crore is in progress.
- Construction of Check Dam across Naganadhi river near Kathalampattu Village in Vellore Taluk and District at an estimated cost of Rs.2.60 crore is in progress.
- Construction of Check dam across Pambar river near old Aathikuppam Village in Thirupathur Taluk of Vellore District at an estimated cost of Rs.1.33 crore is in progress.
- Construction of Check dam across Vaippar river near Achankulam Village in Sivakasi Taluk of Virudhunagar District at an estimated cost of Rs.5.62 crore is in progress.

3.1.5. Formation of New Canals / Supply Channels

Works completed

- Supply Channel from Bettamugilalampallam Village of Denkanikottai Taluk to divert water to Kesarigulihalla reservoir in Palacode Taluk in Krishnagiri District was formed at an estimated cost of Rs.1.00 crore benefiting an ayacut of 275 acres.

- Uppar Canal in Dharapuram Taluk was linked to Parambikulam Aliyar Project system in Tiruppur District at an estimated cost of Rs.8.10 crore benefiting an ayacut of 6,060 acres.

Works in progress

- Excavation of Supply Channel from Senganbasuvanthalav tank to divert flood surplus water of Chinnar river to feed Endapatti tank, Kondasamanahallu tank and 8 other intermediate tanks in Palacode Taluk of Dharmapuri District at an estimated cost of Rs.10.20 crore is nearing completion.
- Extension of 18th canal upto Kovalingaaru which drains into Kottagudi River in Bodinayakkanur Taluk of Theni District at an estimated cost of Rs.52.80 crore is in progress.
- Formation of a channel for diverting the waters of Kumbakuzhi drain into Cauvery river, to the downstream portion of new Kattalai Barrage of Karur District at an estimated cost of Rs.9.00 crore is in progress.
- Detailed investigation and land acquisition at an estimated cost of Rs.14.00 crore for the proposed excavation of a supply canal from LS 15.95 km of Barur tank East main canal to feed 33 tanks in Pochampalli and Uthangarai Taluks of Krishnagiri District is in progress.
- Excavation of a new supply canal to divert the flood surplus of Kelavarapalli reservoir through its left main canal to feed Marudandapalli Eri and Durai eri in Hosur Taluk of Krishnagiri District at an estimated cost of Rs.2.50 crore is in progress.
- Surveying and levelling operations for detailed investigation at an estimated cost of Rs.0.40 crore for the proposed excavation of new canal on the right side and left side of the existing Ennekol Anicut in Krishnagiri Taluk to benefit the drought prone areas and excavation of Canal from the Left Main Canal of Vaniyar Reservoir project to feed

16 tanks in Pappireddypatti and Harur Taluks of Krishnagiri District are in progress.

- Formation of a new flood carrier canal from Kanjampatti odai in Vilathikulam Taluk of Thoothukudi District to feed Sayalgudi and other tanks in Kamudhi and Kadaladi Taluks of Ramanathapuram District at an estimated cost of Rs.18.00 crore is in progress.
- Formation of a new canal from Belur anicut to divert the excess flood water of Anaimaduvu reservoir from Belur Kissan supply channel to feed ponds and construction of check dam in Kumarasamiyur, Thukkiyampalayam, Mannayakanpatti and Vazhapadi Villages in Vazhapadi Taluk of Salem District at an estimated cost of Rs.3.68 crore are in progress.
- Construction of Feeder Channel for Aduthurai Channel in Ullikadai Village of Papanasam Taluk of Thanjavur District at an estimated cost of Rs.0.45 crore is in progress.
- Detailed investigation and land acquisition process sanctioned at an estimated cost of Rs.5.40 crore for diversion of surplus waters of Ramanadhi to the Command area of Jambunadhi system in Kadayam Village of Ambasamudram Taluk of Tirunelveli District is in progress.

3.1.6. Formation of New Tank

Work completed

- A new Tank across Kallar Odai near Viswakudi in Thondamanthurai Village in Vepanthattai Taluk in Perambalur District was formed at an estimated cost of Rs.33.07 crore benefiting an ayacut of 859.91 acres.

Work in progress

- Formation of New Tank across Nallathangal Odai near Kothayam Village of Oddanchatram Taluk of Dindigul

District at an estimated cost of Rs.11.12 crore is in progress.

3.1.7. Artificial Recharge Structures

- Formation of Diaphragm wall across Pennaiyar river between Perangiyar and Pidagam Villages in Villupuram and Ulundurpet Taluks of Villupuram District at an estimated cost of Rs.12.63 crore is nearing completion.

3.2. REHABILITATION OF IRRIGATION INFRASTRUCTURE AND SYSTEMS

3.2.1. Rehabilitation of Dams

Works completed

- Rehabilitation works have been completed in Siddhamalli dam in Udayarpalayam Taluk in Ariyalur District at an estimated cost of Rs.14.52 crore.
- Civil works and Hydro mechanical works have been completed in 3 dams viz., Vaniyar dam of Pappireddipatti Taluk, Kesarigullihalla dam of Palacode Taluk, and Thoppaiyar dam of Dharmapuri Taluk in Dharmapuri District at an estimated cost of Rs.3.19 crore.
- Civil work has been completed in Nagavathy dam of Pennagaram Taluk in Dharmapuri District at an estimated cost of Rs.0.64 crore.
- Hydro mechanical work has been completed in Thumbalahalli dam of Palacode Taluk in Dharmapuri District at an estimated cost of Rs.0.09 crore.
- Civil work, Electrical work and shutter works have been completed in Kuthiraiyar dam of Palani Taluk in Dindigul District at an estimated cost of Rs.1.29 crore.
- Civil and Hydro mechanical works have been completed in 2 dams viz., Shoolagiri Chinnar dam of Shoolagiri Taluk and

Kelavarapalli dam of Hosur Taluk of Krishnagiri District at an estimated cost of Rs.3.08 crore.

- Rehabilitation works have been completed in Mordhana dam in Gudiyatham Taluk in Vellore District at an estimated cost of Rs.4.67 crore.

Works in progress

- Rehabilitation and Improvement works in Upper Nirar and Lower Nirar dams of Valparai Taluk and Aliyar dam of Pollachi Taluk of Coimbatore District, at an estimated cost of Rs.14.48 crore are in progress.
- Rehabilitation and Improvement works in Wellington Reservoir of Thittakudi Taluk, Veeranam Tank of Kattumannarkoil and Chidambaram Taluks of Cuddalore District at an estimated cost of Rs. 14.49 crore are in progress.
- Rehabilitation and Improvement works in Chinnar dam of Palacode Taluk of Dharmapuri District at an estimated cost of Rs.2.86 crore is in progress.
- Civil work has been completed in Kodaganar dam of Vendasandur Taluk of Dindigul District at an estimated cost of Rs.4.18 crore. Shutter work is in progress.
- Rehabilitation and Improvement work in Marudhanadhi dam of Attur Taluk and Palar Porandalar dam of Palani Taluk of Dindigul District at an estimated cost of Rs.4.74 crore is in progress.
- Rehabilitation and Improvement works in Varattupallam dam of Anthiyur Taluk, Gunderipallam dam of Gobi Taluk and Bhavanisagar dam of Sathyamangalam Taluk of Erode District at an estimated cost of Rs.24.71 crore are in progress.
- Rehabilitation and Improvement work in Chembarambakkam tank of Sriperumpudur Taluk of

Kancheepuram District at an estimated cost of Rs.3.85 crore is in progress.

- Rehabilitation and Improvement works in Chittar-I dam of Vilavancode Taluk and Perunchani dam of Kalkulam Taluk of Kanniyakumari District at an estimated cost of Rs. 9.91 crore are in progress.
- Rehabilitation and Improvement work in Noyyal Athupalayam dam of Aravakkurichi Taluk of Karur District, at an estimated cost of Rs.0.715 crore is in progress.
- Rehabilitation and Improvement work in Krishnagiri dam of Krishnagiri Taluk, and Pambar dam of Pappireddipatti Taluk of Krishnagiri District at an estimated cost of Rs.6.83 crore are in progress.
- Rehabilitation and Improvement work in Parambikulam, Thunacadavu and Peruvaripallam dams of Chittur Taluk of Palghat District (Kerala) at an estimated cost of Rs.5.36 crore are in progress.
- Rehabilitation and Improvement work in Anaimaduvu dam of Vazhapadi Taluk, Kariakoil dam of Attur Taluk and Mettur dam of Mettur Taluk of Salem District at an estimated cost of Rs.15.78 crore are in progress.
- Rehabilitation and Improvement work in Lower Anicut of Thiruvaidaimaruthur Taluk of Thanjavur District at an estimated cost of Rs.16.47 crore is in progress.
- Rehabilitation and Improvement work in Vaigai dam of Andipatti Taluk, Manjalar dam of Periyakulam Taluk and Shanmughanadhi dam of Uthamapalayam Taluk of Theni District at an estimated cost of Rs.9.96 crore are in progress.
- Rehabilitation and Improvement work to be commenced in Sothuparai dam of Periyakulam Taluk of Theni District at an estimated cost of Rs.2.01 crore.

- Rehabilitation and Improvement work in Ponnaniar dam of Manapparai Taluk and Uppar (Trichy) dam of Mannachanallur Taluk of Tiruchirapalli District at an estimated cost of Rs.2.98 crore are in progress.
- Rehabilitation and Improvement work in Manimuthar dam of Ambasamudram Taluk of Tirunelveli District at an estimated cost of Rs.17.96 crore is in progress.
- Rehabilitation and Improvement work in Gadana dam and Ramanadhi dam of Ambasamudram Taluk and Karuppanadhi dam of Tenkasi Taluk of Tirunelveli District at an estimated cost of Rs.7.03 crore are in progress.
- Rehabilitation and Improvement works in Poondi Reservoir of Tiruvallur Taluk, RedHills tank of Madhavaram Taluk, Cholavaram tank of Ponneri Taluk of Tiruvallur District at an estimated cost of Rs.10.45 crore are in progress.
- Rehabilitation and Improvement works in Sathanur dam of Thandarampattu Taluk of Tiruvannamalai District at an estimated cost of Rs.5.09 crore is in progress.
- Rehabilitation and Improvement works in Thirumurthy and Amaravathy dams of Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.10.40 crore are in progress.
- Rehabilitation and Improvement works in Gomukhinadhi dam of Chinnasalem Taluk and Vidur dam of Tindivanam Taluk of Villupuram District at an estimated cost of Rs.9.97 crore are in progress.
- Rehabilitation and Improvement work in Pilavukkal Periyar and Pilavukkal Kovilar dams of Srivilliputhur Taluk, Kullursandhai and Anaikuttam dams of Virudhunagar Taluk, Golwarpatti dam of Sattur Taluk and Vembakottai dam of Sivakasi Taluk of Virudhunagar District at an estimated cost of Rs.21.86 crore are in progress.

Works to be commenced

- Rehabilitation and Improvement works to be commenced in Sholayar dam of Valparai Taluk of Coimbatore District at an estimated cost of Rs.16.67 crore.
- Rehabilitation and Improvement work to be commenced in Chittar-II dam of Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.3.80 crore.
- Rehabilitation and Improvement work in Manimuktha Nadhi dam of Sankarapuram Taluk of Villupuram District at an estimated cost of Rs.71.16 crore, is to be commenced.

3.2.2. Rehabilitation of Anicuts/Check Dams / Bed Dams/ Grade wall

Works completed

- Pallapatti old Anicut, Kottankulam Anicut and Kottankulam Kanmoi in Melur Taluk in Madurai District were rehabilitated at an estimated cost of Rs.0.70 crore.
- Seelayampatti Anicut and its Channel in Theni Taluk and District were rehabilitated at an estimated cost of Rs.2.00 crore, benefiting an ayacut of 325 acre.
- Veerapandi Anicut and its Channel in Theni Taluk and District were rehabilitated at an estimated cost of Rs.1.50 crore, benefiting an ayacut of 325 acre.
- Samyvaikkal anicut across Oothampari aru near Bodi Village of Bodi Taluk in Theni District was rehabilitated at an estimated cost of Rs.0.57 crore, benefiting an ayacut of 66.22 acre.
- Inamkulathur Anicut across Ariyar river and its feeding tanks in Inamkulathur Village in Srirangam Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.3.47 crore.

- Samudram Tank, Maravanur Tank and 7 Anicuts in Manapparai Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.2.75 crore.
- Pirattiyur Anicut across Ariyar river in Pirattiyur Village in Srirangam Taluk in Tiruchirappalli District was reconstructed at an estimated cost of Rs.2.64 crore.
- Vadaseri anicut across Ariyar River and its feeding tanks in Inamkulathur Village in Srirangam Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.1.98 crore benefiting an ayacut of 347.83 acre.
- Kothamangalam Anicut across Kothamangalam drain in Kothamangalam Village of Srirangam Taluk in Tiruchirappalli District was rehabilitated at an estimated cost of Rs.1.50 crore benefiting an ayacut of 925.48 acre.
- Vedan Kalingal and Uppathu Kalingal anicut in Uppiliyapuram and Kottapalayam Village of Thuraiyur Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.1.20 crore benefiting an ayacut of 464 acre.
- Punganur Anicut across Ariyar river and its Supply Channel in Punganur Village of Srirangam Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.1.04 crore benefiting an ayacut a of 598.38 acre.
- Ariyavur Anicut across Ariyar river and its feeding tank, supply channel in Ariyavur Village in Srirangam Taluk in Tiruchirappalli District were rehabilitated at an estimated cost of Rs.1.00 crore benefiting an ayacut of 107.348 acre.
- Alathur Anicut, supply channel and feeding tanks in Chengam Taluk in Tiruvannamalai District were rehabilitated at an estimated cost of Rs.0.65 crore benefiting an ayacut of 2,467.43 acre.
- Thandarai Anicut in Tiruvannamalai Taluk and District was rehabilitated at an estimated cost of Rs.0.60 crore benefiting an ayacut of 371.40 acre.

Works in progress

- Rehabilitation of Kalingarayan Anicut in Erode Taluk and District at an estimated cost of Rs.7.80 crore is in progress.
- Rehabilitation of Kuzhithuraiyar Sub path Check dam in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.6.35 crore is in progress.
- Rehabilitation of Pallapatti old anicut, Kottankulam anicut across Palar at Pallapatti village and Kottankulam Kanmoi surplus course of Kottampatti village of Melur Taluk of Madurai District at an estimated cost of Rs.1.25 crore is nearing completion.
- Rehabilitation and Improvements of 13 anicuts across Sarabanga river in Omalur Taluk of Salem District at an estimated cost of Rs.5.23 crore is in progress.
- Improvements to Grade wall across Vennar to feed Regunatha Cauvery channel in Thiruvaiyaru Taluk of Thanjavur District at an estimated cost of Rs.6.27 crore is in progress.
- Rehabilitation of downstream side protection arrangements at VVR Head in Thenperambur Village of Thanjavur Taluk and District at an estimated cost of Rs.1.95 crore is in progress.
- Reconstruction of Athani Bed Dam and Koothur Bed dam in Panguni channel at Pachur and Kumarakudi Villages in Mannachanallur Taluk of Tiruchirappalli District at an estimated cost of Rs. 1.70 crore is in progress.
- Rehabilitation of Ernankulam anicut, Thambirankulam anicut, Ammakulam anicut, Eluppamarathu anicut, Chennaiyagoundan anicut and Posigoundan anicut in Sudhagangai odai in Pottipuram, Silamalai, Sillamatrathupatti and Dombucheri Villages of Bodi Taluk of Theni District at an estimated cost of Rs.2.38 crore is in progress.

- Rehabilitation of Pudu anai, Ottanai, Kodamurutti anai, Birambu anai and Mukkavar dividing dam in Varaganadhi channel in Thenkarai Village of Periyakulam Taluk of Theni District at an estimated cost of Rs.1.60 crore is nearing completion.
- Rehabilitation of Chinnamanur Anicut and its Channel in Uthamapalayam Taluk of Theni District at an estimated cost of Rs.10.50 crore is in progress.
- Rehabilitation of Markayankottai Anicut and its Channel in Uthamapalayam Taluk of Theni District at an estimated cost of Rs.2.25 crore is in progress.
- Rehabilitation of Uppukottai Anicut and its Channel in Bodi Taluk of Theni District at an estimated cost of Rs.1.60 crore is in progress.
- Rehabilitation of Sevalapurai Anicut and channel in Gingee Taluk of Villupuram District at an estimated cost of Rs.10.00 crore is in progress.
- Reconstruction of Veeranam Anicut across Malattar River in Villupuram Taluk and District at an estimated cost of Rs.4.18 crore is in progress.

3.2.3. Rehabilitation of Regulators

Works completed

- Sirupuliyur Regulator across Nattar river at mile 78/1 in Polagudi Village of Nannilam Taluk of Thiruvarur District was reconstructed at an estimated cost of Rs.1.14 crore benefiting an ayacut of 262 acre.
- Hydro Mechanical Equipments and manual operating arrangements of the shutters by electrification in North & South coleroon at Upper Anicut in Mannachanallur Taluk of Tiruchirappalli District were rehabilitated and upgraded at an estimated cost of Rs.10.00 crore benefiting an ayacut of 1,25,000 acre.

- Sand vent at the head of Uyyakondan channel in Pettavaithalai Village in Srirangam Taluk of Tiruchirappalli District was reconstructed at an estimated cost of Rs.1.37 crore benefiting an ayacut of 32,742 acre.
- Regulator in Kondamvari Drain at mile 97/0 in the left bank of Aganda Cauvery in Manamedu Village, Thottiyam Taluk of Tiruchirappalli District was rehabilitated at an estimated cost of Rs.0.90 crore benefiting an ayacut of 4,964 acre.

Works in progress

- Extension of Perampattu Anicut as a Regulator across old Coleroon River in Chidambaram Taluk of Cuddalore District at an estimated cost of Rs.10.00 crore is in progress.
- Rehabilitation and repairs to shuttering Arrangements in North Branch from Vent No.1 to 30 across Kollidam River at Lower Anicut in Thanjavur District at an estimated cost of Rs 10.00 crore is in progress.
- Rehabilitation of Cauvery and Coleroon Regulators at Upper Anicut in Elamanur Village of Srirangam Taluk of Tiruchirappalli District, at an estimated cost of Rs.4.00 crore, is in progress.
- Rehabilitation of Muthur Barrage Shutters, hoisting arrangements and the Head sluices shutters of Feeder canal leading to Athupalayam Reservoir in Kangayam Taluk of Tiruppur District at an estimated cost of Rs.7.00 crore is in progress.

3.2.4. Rehabilitation of canals, supply channels and rivers

Works completed

- Contour Canal from LS 0.00 km to LS 49.30 km in Coimbatore and Tiruppur Districts was rehabilitated at an estimated cost of Rs.221.15 crore benefiting an ayacut of 4,25,012 acre.

- Thovalai channel and Radhapuram channel including its Tanks of Kanniyakumari District were rehabilitated at an estimated cost of Rs.22.50 crore, benefiting an ayacut of 29,877 acre.
- Kottayadi channel from LS 0/0 km to 5/800 km and from LS 5/800 km to 6/700 km under Nanjil Nadu Puthanar Channel system in Thamaraiikulam Village of Agasteeswaram Taluk of Kanniyakumari District were rehabilitated at an estimated cost of Rs.1.25 crore, benefiting an ayacut of 400 acre.
- Thirumangalam Main Canal in Usilampatti Taluk of Madurai District was rehabilitated at an estimate cost of Rs.9.57 crore.
- Periyar Main Canal in Madurai District was rehabilitated at an estimated cost of Rs 2.00 crore.
- Protection arrangements at downstream of Raja channel head sluice in Jedarpalayam anicut in Vadakaraiattur Village of Paramathivelur Taluk of Namakkal District were provided at an estimated cost of Rs.1.00 crore.
- Puthurvayal channel in Gudalur Taluk of Nilgiris District was rehabilitated at an estimated cost of Rs.2.47 crore benefiting an ayacut of 5200 acre.
- Bank protection works to the sliding portion of both banks of Vennar River using Gabion Structure in between mile 49/1 to 49/7 in Kalajeri Village of Papanasam Taluk of Thanjavur District was completed at an estimated cost of Rs.2.00 crore.
- Supply channels of Sakkilichikulam and Nalidaicheri tanks in Andipatti Taluk of Theni District were improved at an estimate cost of Rs.2.70 crore.
- Thamaraiikulam supply channel in Gokilapuram and Uthamapalayam Village of Uthamapalayam Taluk of Theni District were modernized, at an estimated cost of Rs.2.50 crore, benefiting an ayacut of 543 acre.

- The slipped portion at various locations of Kandaleru - Poondi canal in between LS 13.00 km and 25.275 km in Uthukottai Taluk of Tiruvallur District were strengthened at an estimated cost of Rs.19.88 crore.
- Nandhan channel, which diverts from Keeranur Anicut across the River Thuringalar of Thiruvannamalai District and flows through Thiruvannamalai and Ginjee Taluks of Tiruvannamalai and Villupuram Districts was rehabilitated and modernized at an estimated cost of Rs.14.31 crore.

Works in progress

- Rehabilitation of Aliyar feeder canal from LS 0.000 Km to 6.000 Km in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.20.00 crore is in progress.
- Rehabilitation of J.Krishnapuram Branch canal from L.S. 0.000 km to 3.470 km and Valasupalayam Distributory from L.S.0.000 km to 3.800 km in Coimbatore and Tiruppur Districts at an estimated cost of Rs.5.00 crore is in progress.
- Modernisation of Narasingapuram Rajavoikkal Supply channel in Narasingapuram village of Authoor Taluk of Dindigul District at an estimated cost of Rs.10.20 crore is in progress.
- Modernisation of Rajaneri Supply Channel in Samudrapatti village of Natham Taluk of Dindigul District at an estimated cost of Rs.7.42 crore is in progress.
- Protecting the side banks of Chunkan Odai and improvements to Erappaiyar to feed Poigai dam in Thovalai Taluk of Kanniyakumari District at an estimated cost of Rs.3.25 crore is in progress.
- Rehabilitation of 1st to 4th Branch channels, 12th Branch channel and Periyar Extension canal and its distributories of Periyar Main Canal of Madurai District at an estimated cost of Rs.40.00 crore is in progress.

- Rehabilitation of the 5th, 6th, 8th, 9th and 11th Branch channels of Periyar Main Canal in Vadipatti, Madurai North, Madurai East and Melur Taluks of Madurai District at an estimated cost of Rs.15.00 crore is in progress.
- Rehabilitation of Kumarapalayam Vaikkal from Reach I to VI (LS 0m – 17400m) in Paramathivelur Taluk of Namakkal District at an estimated cost of Rs.8.38 crore is in progress.
- Reconstruction of Arabi surplus regulator in RB of Mahimalayar river at LS 147.860Km in Thillayadi Village in Tharangambadi Taluk of Nagapattinam District of at an estimated cost of Rs.2.00 crore is in progress.
- Standardisation and Improvements to Devanadhi river (Uppanar Drain) of Nagapattinam District at an estimated cost of Rs.5.50 crore is in progress.
- Rehabilitation of Mettur East Bank Canal in Mettur and Edapadi and Thiruchengode Taluk of Salem & Namakkal Districts at an estimated cost of Rs.30.00 crore is in progress.
- Modernisation of Kunnur anicut supply channel near Kunnur Village of Andipatti Taluk of Theni District at an estimated cost of Rs.8.30 crore is in progress.
- Modernisation of Vairavan Anicut supply channel in Genguvarpatti Village of Periyakulam Taluk of Theni District at an estimated cost of Rs.6.50 crore is in progress.
- Rehabilitation and Improvements to the Thanthai Periyar Channel of Theni District from LS 0m to 12000m at an estimated cost of Rs.5.24 crore is in progress.
- Modernisation of Thamaraikulam Supply Channel in Thamaraikulam Village in Periyakulam Taluk of Theni District at an estimated cost of Rs.4.86 crore is in progress.
- Modernisation of Gullapuram Anicut Supply Channel in Gullapuram Village in Periyakulam Taluk of Theni District at an estimated cost of Rs.2.88 crore is in progress.

- Modernisation of Moongil Anicut Channel in Genguvarpatti Village in Periyakulam Taluk of Theni District at an estimated cost of Rs.2.50 crore is in progress.
- Modernisation of Nagarvalli Anicut Channel in Devathanapattti Village in Periyakulam Taluk of Theni District at an estimated cost of Rs.1.75 crore is in progress.
- Modernisation of Koothanatchiar Anicut Supply Channel of Kesavaram tank in Kamayagoundanpatti Village in Uthamapalayam Taluk of Theni District at an estimated cost of Rs.1.06 crore is in progress.
- Reconstruction of Alathur Regulator across Vanjiyar at mile 77/0 in Alathur Village of Nannilam Taluk of Thiruvarur District at an estimated cost of Rs.0.65 crore is in progress.
- Rehabilitation and Modernization of Uyyakondan Channel in Palakkarai area of Tiruchirappalli District at an estimated cost of Rs.11.50 crore is in progress.
- Lining the Tirunelveli channel and Improvement to sluices of the Tirunelveli channel of Tirunelveli District at an estimated cost of Rs.15.00 crore is in progress.
- Rehabilitation and Improvements to Vadamalayan Channel and its tanks in Kodumudiyar system in Nanguneri and Radhapuram Taluks of Tirunelveli District at an estimated cost of Rs.5.90 crore is in progress.
- Improvement to Manur Supply Channel in Veerakeralampudur, Alangulam and Tirunelveli Taluks of Tirunelveli District at an estimated cost of Rs.2.29 crore is nearing completion.
- Construction of Storm Water and drainage channel parallel to the right side retaining wall along the road side from Thidiyur Village to downstream of Pachaiyar weir in Palayamkottai Taluk of Tirunelveli District at an estimated cost of Rs.2.20 crore is in progress.

- Improvement to Pallamadai tank, Pallikottai Supply channel in Tirunelveli Taluk of Tirunelveli District at an estimated cost of Rs.1.70 crore, is in progress.
- Construction of Barrel at LS 2046 m across Kannadian Channel to divert the drainage water of Kallidaikuruchi town in Ambasamudram Taluk of Tirunelveli District at an estimated cost of Rs.1.60 crore is in progress.
- Rehabilitation and Improvements to Thanipadi Anicut Supply Channel in Thandarampattu Taluk of Tiruvannamalai District at an estimated cost of Rs.0.82 crore is in progress.
- Regrading of Gowsiganadhi from Vadamanaikurichi Tank surplus to Kullursandai Reservoir in Virudhunagar Taluk of Virudhunagar District at an estimated cost of Rs.3.00 crore is in progress.

3.2.5. Renovation of Tanks

Works completed

- Under 13th Finance Commission Grants-in-aid programme, in the 10 Districts viz., Dindigul, Kancheepuram, Madurai, Nagapattinam, Theni, Tiruvannamalai, Tiruvarur, Tiruchirapalli, Thanjavur and Villupuram works were completed in 135 tanks at an estimated amount of Rs.43.70 crore.
- 14 Tanks and 2 Anicuts in Uppar, Nandhiyar and Marudayar Sub Basins and Supply Channels of Perambalur District were modernised and rehabilitated at an estimated cost of Rs.2.22 crore benefiting an ayacut of 2,197 acre.
- Sentharpatti Eri in Gangavalli Taluk of Salem District was rehabilitated at an estimated cost of Rs 0.69 crore.
- Amoor Tank in Ponneri taluk of Tiruvallur District was rehabilitated at an estimated cost of Rs.0.70 crore, benefiting an ayacut of 989.42 acre.

- Kottathur Tank, Sathanur Tank, Peramangalam Tank and Mahadevi Tank of Musiri Taluk of Tiruchirapalli District were rehabilitated at an estimated cost of Rs.3.17 crore benefiting an ayacut of 937 acre.
- Nagayanallur Tank, Pidaramangalam Tank, Murungai Tank, Valvelputhur anicut and Maruthampatty anicut in Thottiyam Taluk of Tiruchirapalli District were rehabilitated at an estimated cost of Rs.2.95 crore benefiting an ayacut of 1,083 acre.
- Perur Tank, Neyveli Tank and Komangalam Tank in Musiri Taluk of Tiruchirapalli District were rehabilitated at an estimated cost of Rs.1.51 crore benefiting an ayacut of 582 acre.
- Keerambur Tank in Keerambur Village of Thuraiyur Taluk of Tiruchirapalli District were rehabilitated at an estimated cost of Rs.1.08 crore.
- Koppampatty pudhur Tank in Naganallur village of Thuraiyur Taluk of Tiruchirapalli District was rehabilitated at an estimated cost of Rs.0.95 crore.
- Kumbakkuudi periyakulam in Kumbakkuudi Village of Thiruverumbur Taluk of Tiruchirapalli District was rehabilitated at an estimated cost of Rs.0.50 crore
- Neeliyampatti Tank in Neeliyampatty Village of Musiri Taluk of Tiruchirapalli District was rehabilitated at an estimated cost of Rs.0.29 crore.
- Repair, Renovation and Restoration works in Chinnasamuthiram Tank and Simmanapudur Tank of Thiruppathur Taluk of Vellore District were completed, at an estimated cost of Rs.0.71 crore, benefiting an ayacut of 332.91 acre, under the RRR scheme.

Works in progress

- Modernisation of Tholikkampatti Tank in Kilavarai Village of Kodaikanal Taluk of Dindigul District at an estimated cost of Rs.1.10 crore is in progress.
- The four drinking water supply tanks of Chennai viz., Cholavaram, Nemam, Porur and Ayanambakkam in Kancheepuram and Tiruvallur Districts are being rejuvenated and standardized at an estimated cost of Rs.130 crore. The civil works have been completed in all tanks. Other Works are in progress in Porur and Nemam tanks. In addition, the surplus course from Nemam tank to the Chembarambakkam tank is also being rehabilitated and standardized in this scheme.
- Conservation of Ooty Lake with submersible Micro Bubble Diffuser Aeration system of the Nilgiris District at an estimated cost of Rs.5.49 crore would be commenced based on the decision of the Committee to be formed for procurement of the special kind of work.
- Repair, Renovation and Restoration works in Ariyanendal tank, Nenmeni tank, Urappuli tank, Soodiyur tank, Enathikottai tank, Kamankottai tank, Kallikottai tank, Kollanur tank, Poovilathur tank, Pottithatti tank, Muthuvayal tank, Sevoor tank, Mennanthi tank, Valasai tank, Meyyanendal tank, Vairvanendal tank, Thennavanur tank, Mudalur tank, Karuthanendal tank, Kumukkottai tank, Veeravanur tank, Manjur tank, Seyyalur tank, K.Karunkulam tank, Kalari tank, Ettivayal tank, Bogalur tank, Ilandhai tank, Achankudi tank, Uthirakosamangai tank, Nallankudi tank, Panaikulam tank, Melaseethai tank in Paramakudi and Ramanathapuram Taluks of Ramanathapuram District at an estimated cost of Rs.25.99 crore is in progress.

- Administrative sanction for a sum of Rs.9.26 crore was accorded towards Rehabilitation and Restoration of 37 out of 437 Ex – Zamin tanks of Ramanathapuram District.
- Modernisation of Sirukulam Tank in Seelayampatti Village and Narayanasamudram tank in Kottur Village of Theni Taluk of Theni District at an estimated cost of Rs.0.75 crore is in progress.
- Repair, Renovation and Restoration works in Vetrialangulam tank, Veerai Big tank, Mummudichanpatti tank, Muthupatti tank, Malaikandan tank, Perumudi tank, Keelamelamarungur tank, Paikudi tank, Nariyankudi tank, Sadayaneri tank, Jeithunganeri tank, Perungudi tank, Keelamellavellanji tank, Senkulam tank, Olaikudipatti tank, Kandaneri tank, Nerpugapatti tank, Satharasanpatti tank in Devakottai , Karaikudi and Sivagangai Taluks of Sivagangai District at an estimated cost of Rs.7.00 crore is in progress.
- Repair, Renovation and Restoration works in Siruvila tank in Sivagangai Taluk of Sivagangai District at an estimated cost of Rs.0.59 crore is to be commenced.
- Repair, Renovation and Restoration (RRR) works in Mambakkam tank, Soraiyur tank, Mazhaiyur tank, Melnethapakkam tank, Vazhapandal tank, Arur tank, Vilapakkam tank, Palayanur tank, Kakkankarai tank, Kurumberi tank, Rachamangalam tank, Saduperi tank, Thorapadi tank, Veppampattu tank, Varagur tank, Kilpadi tank, Ayiramangalam tank, Melpudupakkam Big tank, Melpudupakkam Otteri tank, Melmanavoor Kadaperi tank, Marimanikuppam tank, Kudapattu tank, Chennasamudiram tank, Melpulam tank, Nagaleri tank, Sennaleri Tank, Nemili tank, Sengulam tank, Pennagar Tank, Donimedu tank, Vembi tank, Nallur Tank, Kodali tank, Pali tank, Melnelli big tank & Chitteri tank, Vadugapattu tank, Kalavaiputhur tank, Melapandal tank, Kuttiyam tank, Varatharajapuram tank, Vettithangal tank, Senganavaram tank, Vellambi Chitteri

tank, Pinnanthangal tank, Nambari tank, Kathalampattu tank, Athiyanam Chitteri tank, Vilari tank, Athiyanam Big tank in Arcot, Thirupathur, Vellore and Vaniyambadi Taluks of Vellore District at an estimated cost of Rs.20.01 crore is in progress.

- Repair, Renovation and Restoration work in Dalavanaickan tank of Vellore Taluk of Vellore District at an estimated cost of Rs.0.36 crore is to be commenced.

3.3. Flood Protection Works

Works completed

- Permanent restoration and flood protection works to Anaipappankulam tank surplus course in Thirumangalam Town of Madurai District were completed at an estimated cost of Rs.11.00 crore to mitigate floods.
- Protection of Right Bank of River Cauvery at downstream of Upper anicut in Srirangam Taluk of Tiruchirappalli District was completed at an estimated cost of Rs.1.11 crore.
- Diversion channel from Maduravoyal to Cooum was constructed and Arumbakkam - Virugambakkam Drain was improved at an estimated cost of Rs.108.27 crore, under JNNURM.
- North Buckingham Canal was improved at an estimated cost of Rs.117.19 crore, under JNNURM in Chennai and Thiruvallur District.
- Porur Tank Surplus Drainage was improved at an estimated cost of Rs.49.92 crore, under JNNURM in Thiruvallur District.

Work in progress

- Improvements to Veerangal Odai and Short cut Diversion Drainage for Velachery Tank in Kancheepuram District at an estimated cost of Rs.112.24 crore, under JNNURM Scheme is in progress.

3.4. Coastal Protection Works

Works in progress

- The process of obtaining the Environmental Clearance for the construction of Groyne at Mandaikaduputhur in Kalkulam Taluk of Kanniyakumari District at an estimated cost of Rs.7.82 crore is in progress.
- The process of obtaining the Environmental Clearance for the construction of Rubble Mount Sea (RMS) walls in Vembar, Veerapandipattinam, Periyathazhai, Kallamozhi, Keelavaippar of Thoothukudi District at an estimated cost Rs.69.49 crore is in progress.
- The process of obtaining the Environmental Clearance for the construction of series of 10 numbers of Groynes from Ernavoorkuppam to Ennore from LS 15/200 km to 19/000 km along coastal area in Madhavaram Taluk of Tiruvallur District at an estimated cost of Rs.31.82 crore is in progress.

3.5. Formation of Roads and Construction of Bridges

Works completed

- High level bridge across river Kollidam at mile 45/5 in Azhagiamanavalam Village to connect left bank of Kollidam with Melaramanallur Village in Ariyalur Taluk and District was constructed at an estimated cost of Rs.48.00 crore.
- Service Road on the right side bund of Vaigai River in Paramakudi Town of Ramanathapuram District was formed at an estimated cost of Rs.6.50 crore.
- Causeway across Cooum river at Choranchery village of Poonamallee Taluk of Tiruvallur District was constructed at an estimated cost of Rs.1.20 crore.

Works in progress

- Construction of 2 lane bridge across North Buckingham Canal connecting the residential areas in Dr.Radhakrishnan Nagar in Tondiarpet Taluk of Chennai District at an estimated cost of Rs.5.00 crore is in progress.
- Providing black topping to the existing jeep track in the left and right main canals of Vaniyar reservoir project in Pappireddipatti Taluk of Dharmapuri District at an estimated cost of Rs.1.40 crore is in progress.
- Reconstruction of Single lane Bridge across the Buckingham Canal in Paramankeni Village of Cheyyur Taluk of Kancheepuram District at an estimated cost of Rs.9.97 crore is in progress.
- Construction of bridge, retaining wall and road with B.T. surface from Kalimar Bridge to Symon Colony Bridge at Colachel of Kanniyakumari District at an estimated cost of Rs.2.94 crore is in progress.
- Reconstruction of Bridge across Pamboorivoikal near Patharai in Colachel village, Kalkulam Taluk of Kanniyakumari District, at an estimated cost of Rs.0.64 crore is in progress.
- Construction of Causeway across Therkar river below Vadakarai Anicut in Thirumangalam Taluk of Madurai District at an estimated cost of Rs.0.95 crore is in progress.
- Construction of Causeway across Therkar river near Venkatasamudram Village in Thirumangalam Taluk of Madurai District at an estimated cost of Rs.0.90 crore is in progress.
- Construction of causeway across surplus vari of Perumanadu Tank in Perumanadu Village of Illupur Taluk of Pudukkottai District at an estimated cost of Rs.0.28 crore is in progress.

- Formation of Service Road on the Left side of Vaigai River in Paramakudi Taluk of Ramanathapuram District at an estimated cost of Rs.4.03 crore is in progress.
- Construction of Bridge across Varaganadhi river near Aadupalam in Thenkarai village of Periyakulam Taluk of Theni District at an estimated cost of Rs.3.75 crore is in progress.
- Improvements to the approach road to the Sathya moorthy Sagar Dam in Poondi Village, Thiruvallur Taluk and District at an estimated cost of Rs.1.31 crore is in progress.

3.6. Buildings and other infrastructural facilities

Works in progress

- Conversion of tiled roof into RCC roof for Drivers Quarters in Cooum South Lock near Chepauk in Triplicane Taluk of Chennai District at an estimated cost of Rs.0.1 crore is in progress.
- Conversion of AC sheet roofing into RCC Roofing for Assistant Executive Engineer and Assistant Engineer Quarters at Parambikulam Dam at an estimated cost of Rs.0.30 crore is in progress.
- Renovation of Dormitory Block - II at Thekkady of Idukki District (Kerala State) is to be commenced at an estimated cost of Rs.0.50 crore after obtaining the clearance from the Forest Department.
- Renovation of Office Building and Inspection Bungalow at Virahanur Regulator of Saruganiar Basin Division, Manamadurai Sub Division in Madurai South Taluk of Madurai District at an estimated cost of Rs.0.15 crore is in progress.
- Construction of Sub-Division office building with Section offices for Sarabanga Basin Division, located in Namakkal Collectorate Complex in Thummankurichi Village in

Namakkal Taluk and District at an estimated cost of Rs.0.28 crore is in progress.

- Construction of section office building for Mettur Canal Section at Komarapalayam in Tiruchengode Taluk of Namakkal District at an estimated cost of Rs.0.07 crore is in progress.
- Construction of Sub Division Office building with section offices for the Planning and Designs sub division in PWD Campus in Pudukottai Taluk of Pudukkottai District at an estimated cost of Rs.0.28 crore is in progress.
- Renovation of Office Building of Kottakaraiyar Sub Division and two section offices at Public Works Department Campus in Ilayankudi of Sivagangai District at an estimated cost of Rs.0.15 crore is in progress.
- Construction of section office building in PWD campus at Redhills of Tiruvallur District at an estimated cost of Rs.0.07 crore is in progress.
- Renovation of Kosasthalayar Basin Division Office building in Thiruvallur Town of Tiruvallur District, at an estimated cost of Rs.0.10 crore, is in progress.

3.7. Development of Parks

Work in progress

- Rehabilitation and improvements to the main entrance of the LBS Park at downstream of Mettur Dam of Salem District at an estimated cost of Rs.1.00 crore is in progress.

4.0. Tamil Nadu Irrigated Agriculture Modernisation and Water - Bodies Restoration and Management (TN IAMWARM) Project

In this project, implemented with the loan assistance of the World Bank, 7 Line Departments viz., Agriculture Department,

Horticulture Department, Agricultural Engineering Department, Agricultural Marketing Board, Animal Husbandry Department, Fisheries Department and Tamil Nadu Agricultural University have jointly participated with the Water Resources Department, in an integrated manner. Modernizing and rehabilitating the tanks irrigation system by renovating the water-bodies, intensification of agriculture and improving the livelihood of the farming community are the objectives fulfilled under this project. This project which commenced in the year 2007 was successfully completed in June 2015. Under this project, modernisation, rehabilitation and water management works were taken up during the project period in 5009 tanks located in 61 sub-basins spread over 26 districts at a cost of Rs.2,820.93 crore, benefiting an ayacut of 6.69 lakh hectares and about 5 lakh farmers.

4.1. IAMWARM PROJECT II

The successful completion of the IAMWARM Project paved way for the follow on IAMWARM Project-II, proposed to be implemented in the remaining 66 sub-basins spread over 29 districts with an ayacut of 5.43 lakh hectares to be benefited, over a period of 7 years starting from 2016 with an outlay of Rs.2,950 crore. The Project will be implemented by WRD and 7 Line departments under the coordination of Water Resources Department. In this Project, it is proposed to take up rehabilitation of 4,778 Tanks, 477 Anicuts, construction of check dams, artificial recharge wells in water spread area of tanks and Improving Drainage cum Irrigation Channels in Cauvery Delta and other sub-basins at an outlay of Rs.2,194 crore.

5.0. Climate Change Adaptation Programme in Cauvery Delta

The Climate Change Adaptation through Sub-basin Development Programme (CASDP) in Cauvery delta is under

implementation with the loan assistance of Asian Development Bank (ADB) at a cost of about Rs.1,560 crore. The ADB loan assistance is Rs.1,092 crore and the State's share is Rs.468.00 crore for this scheme. As a first stage of this project, the works in the following rivers / drains of the part of Lower Vennar System of the Cauvery Delta, are taken up as a "Stand Alone Project":

1. Adappar
2. Harichandranadhi
3. Pandavayar
4. Vellaiyar
5. Valavanar Drain
6. Vedaranyam Canal
7. Design, supply, installation, testing and commissioning of various Pumping machinery including associated electrical, mechanical and civil works.

Administrative Sanction has been accorded at an estimated cost of Rs.960.66 crore for taking up these works. The project agreement and loan agreement has been signed on 14.07.2016 with the Asian Development Bank. Further, works at an estimated cost of Rs.278.97 crore have commenced in two rivers viz., Vellaiyar and Pandavayar. Remaining 5 works will be taken up this year after due finalization of tender.

6.0. Improvements and Rehabilitation of Irrigation Systems in Cauvery Basin for Efficient Irrigation Water Management

The Central Water Commission has issued In-principle consent for the preliminary project proposal on the "Improvements and Rehabilitation of Irrigation Systems in Cauvery Basin" for efficient water management at a cost of Rs.11,420 crore. As the Phase-I of this project, "Improvements and Rehabilitation of Grand Anicut Canal System" is proposed to be taken up at

an estimated cost of Rs.2,610 crore. The consultancy services for the preparation of DPR as per CWC guidelines and related works have been entrusted to the consultant, M/s WAPCOS Ltd., and a sum of Rs.10.00 crore has been sanctioned towards the consultancy charges. The Detailed Project Report has been approved by the Central Water Commission at an estimated cost of Rs.2,298.75 crore on 05.07.2016. Further action for availing the Central funding assistance is in progress.

7.0. Linking of Tamiraparani, Karumeniyar and Nambiyar Rivers in Tirunelveli and Thoothukudi Districts

- Inter-linking of Tamiraparani – Karumeniyar - Nambiyar rivers, by excavating a new flood carrier canal from LS 6.5 km of existing Kannadian canal near Vellankuzhi Village to M.L.Theri near Thisayanvilai for a length of 75.175 km as per the revised alignment with a carrying capacity of 3,200 cusecs, is in progress.
- The CWC has accorded revised cost appraisal for this scheme for Rs.872.45 crore (Price level 2014-15) on 07.05.2015. Further, the Ministry of Environment, Forests & Climate Change has accorded Environmental Clearance (EC) to the project on 28.05.2015. Based on the above approvals, and the recommendation of the 126th meeting of the Advisory Committee held on 16.07.2015, for consideration of Techno economic viability of Major & Medium Irrigation, Flood control and Multipurpose projects, the Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India has accorded investment clearance on 19.04.2016 for Rs.872.45 crore, which paved way for central assistance under AIBP.

7.1. Desilting of Dams and Water Bodies

The work of desilting of the reservoirs, have not been attempted by and large all over the country. The **Hon'ble Chief Minister** has accorded the highest priority for clearing the excess silt collected in the dams and to restore their original capacity. For this purpose, funding assistance is proposed to be sought for from the Government of India under AIBP.

7.1.1. Desilting of Vaigai, Pechipparai, Mettur, Amaravathy Reservoirs and Srivaikundam Anicut

Preparation of Detailed Project Report and Rapid Environment Impact Assessment Study, for this project, by engaging M/s. WAPCOS Limited is in progress. Further, as per the directions of the National Green Tribunal, desilting of Srivaikundam Anicut at an estimated cost of Rs.5.93 crore is in progress.

7.1.2. Desilting of Parappalar Reservoir

It is proposed to restore the capacity of Parappalar reservoir by taking up desilting works at an estimated cost of Rs.19.50 crore, after obtaining the necessary permission from the Forest Department.

7.1.3. Desilting of Veeranam tank

The work of desilting the Veeranam tank to restore its designated capacity of 1,465 Mcft. including rehabilitation and increasing the carrying capacity of the Vadavar channel at an estimated cost of Rs.40.00 crore is in progress.

8.0. State Ground and Surface Water Resources Data Centre (SG & SWRDC)

The Surface water Resources has been fully utilised to the maximum possible extent and the next alternative, the Ground water resource is to be looked upon as the most precious resource. Since Ground Water is a dynamic resource, the SG & SWRDC of WRD carried out various

periodic multidisciplinary investigation studies on Groundwater by maintaining and observing statewide monitoring network of Ground water, Surface water and Water quality. As on March 2009, about 80% of the available Ground water resources have been utilised leaving limited scope for further development of dynamic Ground water resources. Accordingly, the State Ground and Surface Water Resources Data Centre carried out the following main works:

- Monitoring of water level in the selected observation wells throughout Tamil Nadu for the purpose of drought analysis and also for the estimation of availability of Ground water.
- The suitability of Ground water for various uses such as domestic, irrigation and industrial uses were studied by using the pre and post monsoon water quality in the State.
- Hydro meteorological observations in different soil conditions covering all the river basins of the State were carried out conducting various hydrological studies.
- Rainfall data collected from Standard Rain gauge station (SRG), Autographic Rain Gauge station (ARG) and Fully Climatological Station (FCS) were analysed and established the relationship between the runoff and seepage.
- Protecting Ground water resources against over exploitation and quality deterioration by adopting different management techniques.
- Ground water storage is improved by constructing Artificial recharge structures and adopting different Rain water harvesting techniques.
- Interaction and coordination with the other line departments of the State and water users for the better utilisation for the available Ground water resources.

- Bore wells were drilled wherever necessary in the State to know the subsurface lithological characteristics, hydro geological parameters and quality of ground water of different Aquifers.
- Consultancy services were rendered to General public, Farmers, Government Departments and other Private sectors for the selection of suitable sites for sinking of bore wells, based on the Geological, Hydro geological and Geophysical surveys by collecting nominal charges.
- Ground Water clearance for water based and non water based Industries is being issued in safe and semi critical blocks of the State.
- Special studies for the purpose of assessing the sea water intrusion into fresh water Aquifer along the coast of Tamil Nadu were carried out.
- Coordination for the implementation of National and State water policies.
- Ground water related issues were published in the Ground water Bulletins, quarterly for the benefit of the Ground water users / User Departments.
- The Hydrological, Hydro meteorological, Geological and Geophysical data collected in the field were disseminated to various Government Departments, Government undertakings, Non Governmental Organisations, Academicians and individuals by collecting nominal charges.

8.1. Ground water assessment on micro level basis

- Micro level Ground water Potential Assessment taking Revenue Firka as a unit as on March 2011 for entire State has been completed. Collection and analysis of data for Firka wise Ground water Assessment as on 2013 is completed and the validation is under progress.

8.2. Seawater intrusion monitoring system in Tamil Nadu

- In this project water level is being regularly monitored on monthly basis and water samples were collected biannually from 284 observation wells and were analyzed in the Geo Chemical laboratories to assess the sea water-fresh water interface in Tamil Nadu. Based on the extent and rate of Sea water intrusion, implications on vulnerable areas are being reported to the Government for implementation of schemes.

8.3. Aquifer mapping and management of aquifer in Tamil Nadu

- Initially 9 Aquifer systems were selected for this study, after knowing the importance of Aquifer Mapping and Management studies, this work had been extended throughout the State covering all the districts of Tamil Nadu as a regular study. For identification of Aquifer boundaries, Geological, Geophysical and Hydro geological surveys were conducted and the data is being collected, analysed and documented every month.

9.0. Institute of Hydraulics and Hydrology (IHH)

This institute is functioning at Poondi under Design Research and Construction Support (DR&CS) wing of Water Resources Department. The Hydraulics Division is engaged in conducting model studies, monitoring shore line changes of Tamil Nadu coast and evaluation of Coastal protection works. Further, the Water Shed Management Board Division located at Pollachi is engaged in sedimentation and water shed management studies in selected reservoirs / tanks in Tamil Nadu for arriving up-to-date reduction in capacity due to sedimentation. During the year 2015-2016, Sedimentation study for the following 11 dams were taken up at a cost of Rs.0.45 crore under DRIP :-

1. Lower Nirar Dam (Coimbatore District)
2. Kadamparai Dam (Coimbatore District)
3. Maravakandi Dam (The Nilgiris District)
4. Kamarajsagar Dam (The Nilgiris District)
5. Chinnar Dam (Dharmapuri District)
6. Kariyakoil Dam (Salem District)
7. Sothuparai Dam (Theni District)
8. Kullursandai Dam (Virudhunagar District)
9. Ramanadhi Reservoir (Tirunelveli District)
10. Karuppanadhi Reservoir (Tirunelveli District)
11. Gundar Reservoir (Tirunelveli District)

10.0. Institute for Water Studies (IWS)

Micro Level Study

The Institute for Water Studies has grouped the 34 rivers of Tamil Nadu into 17 major River basins. So far, Micro level studies have been completed for 16 River basins except Cauvery River basin. These Micro level study reports have been sent to all the Regional Chief Engineers of Water Resources Department and other Line departments for reference. To update the above reports with the present data, Reappraisal studies were initiated since 2010. Accordingly, Reappraisal studies for Kodaiyar, Vaippar, Vaigai, Vellar, Palar and Tamiraparani River Basins have been taken up and already completed. The study reports have been sent to all the officials of WRD and other line departments for reference. The Micro Level Reappraisal study for Pennaiyar River Basin has been taken up during 2015-16 and completed.

Remote Sensing and Geographic Information System Activities

- Prepared a presentation on Water Resources of Tamil Nadu for National meet on “Promoting Space Technology Based Tools and Application in Governance & Development” which was presented on behalf of Government of Tamil Nadu in the presence of Honb’le Prime Minister of India at New Delhi on 07.09.2015.
- Season wise water spread area and crop area assessment have been done for the year 2015 using temporal Satellite data for Cauvery basin and given to Cauvery Technical Cell and Inter State Water Wing, Chennai.
- Thematic maps have been prepared for Micro level Reappraisal study of Palar and Pennaiyar River basins.
- Drainage and Tank layer maps with Unique Code have been prepared and spared to WRD sub division for Repair, Renovation and Restoration Schemes.
- Shape files of Unique code WRD Tanks, River basins and sub-basins have been shared to TNGIS under Tamil Nadu e-governance Agency.
- Region wise water Resources maps have been prepared and given to all WRD regions.
- Thematic maps such as administrative, geology, drainage, geomorphology, landuse and soil were prepared for 66 sub basins and given to respective divisions for DPR preparation under TN IAMWARM Project II .

11.0. Irrigation Management Training Institute (IMTI)

Tamil Nadu Irrigation Management Training Institute (popularly known as IMTI) is a premier State Level Training Institute, functioning at Trichirapalli, established by the Government of Tamil Nadu in the year 1984. The ultimate

goal of IMTI is increasing irrigated agricultural production through improved efficiency of irrigation systems and improved productivity of water, delivered for irrigation. IMTI, Trichirapalli is imparting training to in-service Junior/Middle/Senior level Officers of Water Resources, Agricultural Engineering, Agriculture and Horticulture Departments and Field Staff of WRD on various aspects of Irrigation Management and relevant subjects. Farmers are also trained on Water Management and Participatory Irrigation Management (PIM).

During the year 2015-16, the training programmes such as Operation and Maintenance of Irrigation Systems, Effective Communication Skills for Irrigation Management, Climate Adaptability for Irrigation Department, Public Relationship for Irrigation Management, Coastal Management and Prevention of Sea Water Intrusion, Dam Safety and Dam Instrumentation have been organised to the officers by this Institute. Further, Basic Windows for Ministerial Staff and Advanced Computer Courses on Geographic Information System (GIS), Auto CAD with AUTOLISP, 2D Animation, Photoshop have also been organised to the Officers of Water Resources, Agricultural Engineering, Agriculture and Horticulture Departments. Study tour programme within and outside the State are also conducted to the officers for getting immense exposures on water management, modern techniques, cropping pattern, machineries, participatory irrigation management being followed and adopted in that region.

Besides that, special courses such as Disaster Management training courses under funds from Revenue Administration, Total Station, Stress Management, Right to Information Act, Core and Follow-up Workshops on Capacity Building to Competent Authorities of Water Users Association in Phase III & IV sub-basins of IAMWARM Project have also been conducted. The farmers of Kalingarayan Channel Irrigation

System in Erode District and Ponnaniyar Dam Basin in Thiruchirappalli District were given training on Climate Change and appropriate Adaptive techniques to overcome Climate Change under Clima Adapt Programme with Norwegien Embassy Fund.

During this year, 72 training programmes under Government Grants have been conducted. Overall 85 training programmes have been conducted under Government Grants, IAMWARM Project and Other Deposit Funds and about 1,904 numbers of participants (121 farmers & 1783 officers) benefitted by the trainings as follows :

Training programme Summary for the year 2015-16					
Sl. No	Sponsor	No. of Trainings	No. of Participants		
			Officials	Farmers	Total
1	IMTI (Govt .Grant)	72	1626	0	1626
2	TN-IAMWARM project	5	104	0	104
3	NABARD	1	29	0	29
4	Clima Adapt	6	4	121	125
5	Agricultural Engineering Department (River Valley Project)	1	20	0	20
	Total	85	1783	121	1904

Study tour to Other States for the year 2015-16			
Sponsor	No. of Study tours	No. of Participants	
		Officials	Farmers
TN-IAMWARM project	1	25	-
Clima Adapt	1	4	-
Government Grant	2	5	-
Total	4	34	-

12.0. Sand Quarry

In G.O. (Ms) No.451, Public Works Department, dated 03.10.2003 orders were issued for operating the sand quarry in all river beds of Tamil Nadu under the control of Water Resources Department, Public Works Department as per rules and regulations. Accordingly, Sand is being quarried and sold to public / consumer by Public Works Department since 03.10.2003. Initially, Sand was sold at the rate of Rs.1,000/- per lorry load (2 units) including loading charges. For enabling the availability of sand at reasonable prices and to control the construction cost, the sale price of sand has been reduced from Rs.1,000 to Rs.600 per lorry load (2 Units) as per G.O. (Ms) No.401, Public Works Department, dated 18.06.2004. At present, the sand is being sold at the rate of Rs.800/- per Lorry load excluding tax and loading charges.

This Government is taking all the necessary efforts to provide sand uninterruptedly for the public by operating more number of quarries and getting environmental clearance from State Environmental Impact Assessment Authority (SEIAA). Further to prevent the shortage of sand in Tamil Nadu, at present 61 Sand quarries are being operated after getting clearance from SEIAA. This imparts reduction in shortage of sand and the market rate of sand is also reduced to some extent. The revenue generated through the sand quarries during 2015-16 is Rs.91.02 crore.

13.0. Directorate of Boilers

The Directorate of Boilers conducts the Boiler Attendants Examination and the Boiler Operation Engineers Examination. This Directorate has conducted tests to the High Pressure welders. During the year 2015-2016, 1796 such tests were conducted and certificates were

issued to 1796 successful candidates in different types and process of welding such as pipe welding, tube welding and plate welding in Carbon Steel and Alloy Steel. Further, this Directorate counsels new entrepreneurs for starting new Boiler Manufacturing and Boiler Components manufacturing units in the State and helps them to commence production in a speedy manner.

During 2015-2016, this Directorate has cleared installation of 324 new Boilers and their connected pipelines and completed the Registration process in the various existing and new Industries. This Directorate has inspected 4,832 Active Boilers, out of total strength of 5,120 Boilers in scheduled time without loss of production. Besides the above, the Directorate of Boilers has cleared about 2,22,100 High Pressure Valves, 16,726 High Pressure Piping Components and 73,105 tubular components manufactured by the various manufacturing units and issued certificates. This Directorate during 2015-2016, has approved nearly 648 Data Booklets and 532 Design Documents for the fabrication of various types of Boiler and Boiler components. This Directorate is realising considerable revenue to the Public Exchequer by way of inspection fees for conducting stage inspections to the Boilers and Boiler Components manufactured, conducting annual inspection of installed Boilers, according approval to various design drawings, conducting the tests and issuing certificates to the welders and conducting Examinations for Boiler Attendants and Boiler Operation Engineers. During the year 2015-2016, this Directorate has earned a revenue of Rs.7.16 crore.

14.0. INTER-STATE ISSUES

14.1. Cauvery Water Dispute

As a result of the efforts taken by the Hon'ble Chief Minister and the Applications filed in the Supreme Court, the Government of India notified the Final Order of the Cauvery Water Disputes Tribunal in its Gazette on 19.2.2013. By this, the livelihood of the Cauvery Delta farmers and their rights have been established.

In regard to formation of Cauvery Management Board and the Cauvery Water Regulation Committee immediately, the Hon'ble Chief Minister wrote to the Prime Minister on 17.10.2011, 20.12.2012, 22.12.2012, 22.2.2013, 11.3.2013, 17.5.2013, 2.9.2013, 3.9.2013, 13.6.2013 and 4.9.2015. Apart from this, in the Memorandum presented by the Hon'ble Chief Minister to the Prime Minister on 14.6.2011, 3.6.2014, 7.8.2015 and 14.6.2016 it has been urged for the formation of the Cauvery Management Board and the Cauvery Water Regulation Committee. Further, in the Inter-State Council meeting held on 16.7.2016 the same request has been urged.

In the meantime, in order to implement the Final Order of the Cauvery Water Disputes Tribunal till a permanent monitoring mechanism is established, as a temporary measure, a *pro tem* Supervisory Committee has been ordered to be established by the Supreme Court in its Order dated 10.5.2013. Accordingly, the Government of India published in its Gazette dated 22.2.2013 regarding the constitution of this Committee.

The Tamil Nadu Legislative Assembly on 5.12.2014, had passed the Resolution that though the Final Order dated 5.2.2007 of the Cauvery Water Disputes Tribunal was notified in the Government of India Gazette on 19.2.2013 due to the persistent efforts taken by the

Hon'ble Chief Minister, the Cauvery Management Board and the Cauvery Water Regulation Committee have not been constituted till now and hence, to ensure the release of water as per the monthly schedule stipulated in this Final Order, this House resolves that the Government of India should constitute the Cauvery Management Board and the Cauvery Water Regulation Committee immediately.

In the meantime, the Supreme Court has constituted a Special Bench to hear the long pending cases. When these cases come up for hearing, it will be urged that the Court may direct the Government of India to constitute the Cauvery Management Board and the Cauvery Water Regulation Committee.

14.1.1. Thwarting of the attempt of Karnataka to construct 2 Dams at Mekedatu

The newspapers on 12.11.2014 published reports about Karnataka's plan to construct 2 new Reservoirs at Mekedatu, for which a Global Expression of Interest has been called for preparing a technical feasibility report. Because of the consistent efforts taken by the Hon'ble Chief Minister, the Government of India requested the Government of Karnataka to obtain the consent of the co-basin States and further stated that if Detailed Project Report is received, it will be examined as per the Final Order of the Cauvery Water Disputes Tribunal.

In the meanwhile, as instructed by the Hon'ble Chief Minister, an Interlocutory Application (I.A.) was filed in the Supreme Court on 18.11.2014. Further, the I.A. filed earlier is also pending.

The Hon'ble Chief Minister in the Memorandum presented to the Prime Minister of India on 14.6.2016 has urged to advise the Government of Karnataka not to construct Dam at Mekedatu in violation of the Final Order of the Tribunal.

14.1.2. Thwarting of the attempt of Kerala to construct Dam at Pattisserry

A news item appeared on 6.11.2014 stating that the Government of Kerala has commenced works for a new Dam across Pambar at Pattisserry for which the Chief Minister of Kerala was reported to have laid foundation on 3.11.2014 through video conferencing. The Hon'ble Chief Minister wrote to the Prime Minister on 8.11.2014 and requested to advise the Government of Kerala to furnish full details of the schemes proposed by Kerala in the Pambar sub-basin and not to proceed with such schemes in the Pambar sub-basin till the Cauvery Management Board is constituted and the consent of Tamil Nadu is obtained. The Prime Minister was also urged to immediately intervene in the matter and the Government of India should immediately constitute the Cauvery Water Management Board and the Cauvery Water Regulation Committee.

Since no reply was received from the Government of India and the Government of Kerala, the Government of Tamil Nadu has filed an I.A. on 28.11.2014 in the Supreme Court. This I.A. is pending.

14.1.3. Action taken on letting sewage into Cauvery and Pennaiyar Rivers by Karnataka

News items appeared in the newspapers dated 30.3.2015 about the statement made by the Minister (Minor Irrigation), Government of Karnataka that Karnataka is letting out 593 MLD of sewage in Cauvery through Arkavathy (tributary of Cauvery) and 889 MLD in Pennaiyar River.

The letting of untreated effluents into rivers or streams without conforming to the standards prescribed by the Central Pollution Control Board, State Pollution Control Boards and the rules and regulations framed for protection

of the environment has not only affected the inhabitants of Tamil Nadu by the resultant pollution, but is also causing lasting harm to animals and vegetation. Karnataka is duty bound to ensure that the sewage and industrial effluent are treated as per the standards before the same are let into the rivers. The failure to do so has resulted in causing huge damage and suffering to Tamil Nadu and its inhabitants affected by pollution.

As per the instructions of Hon'ble Chief Minister, the Government of Tamil Nadu has filed a Suit in the Supreme Court on 5.6.2015 in the matter. On the same day, an I.A. has also been filed in the Supreme Court. The Suit is pending.

14.2. MullaiPeriyar Dam

As a result of the continuous and tireless efforts of the Hon'ble Chief Minister, the Supreme Court of India on 27.2.2006 and on 7.5.2014, ordered that the water level in the MullaiPeriyar Dam can be increased initially to 142 ft., and the balance strengthening works and maintenance works can be undertaken by Government of Tamil Nadu. As per the judgment, the Supervisory Committee constituted to restore the water level to 142 ft., decided to implement the judgment after inspecting the Dam on 17.7.2014. The water level in the MullaiPeriyar Dam which rose to 142 ft., on 21.11.2014 is a historic achievement after 35 years for the people of Tamil Nadu, which is made possible only because of the persistent efforts and constant guidance of the Hon'ble Chief Minister. Further, for the second time on 7.12.2015, the water level reached (+) 142 ft.

14.2.1. Steps taken to raise the water level to FRL 152 ft.

The Government has accorded Administrative Sanction for a sum of Rs.7.85 Cr. for carrying out the strengthening the

Baby Dam and other related works. In order to carry out the works, the Government of Tamil Nadu has sought clearance from the Ministry of Environment, Forest and Climate Change, Government of India.

In this regard, in the Memorandum presented by Hon'ble Chief Minister to Prime Minister on 14.6.2016, it has been urged to issue instructions to the concerned authorities to expedite the necessary clearances.

The Government of Tamil Nadu is taking all steps to restore the water level in the MullaiPeriyar Dam to its FRL 152 ft., after obtaining the recommendation of the independent experts, as per the orders of the Supreme Court, on completion of the strengthening works to the Dam to the satisfaction of Central Water Commission.

14.2.2. Construction of a Mega Car Park in the water spread area of MullaiPeriyar Dam by the Government of Kerala.

The Government of Kerala had proposed a Mega car park in the water spread area of MullaiPeriyar Dam. In this connection, as two Applications were already filed before the National Green Tribunal (SZ) by residents of Kerala, the Government of Tamil Nadu prayed before the National Green Tribunal to implead as a Respondent and also prayed to pass an order of injunction restraining the Respondents from proceeding with any construction, earth filling or any related developmental activity in the area leased and in possession of the State of Tamil Nadu. This was accepted by the Tribunal and on 05.09.2014, the National Green Tribunal (SZ) ordered a direction to the 3rd Respondent (Deputy Director, Project Tiger) to maintain status quo by not making any further developmental or constructional activities in the Periyar Tiger Reserve in Idukki District till 26.09.2014 which include Periyar lake area also. On

29.09.2014, the matter came up for hearing and the National Green Tribunal (SZ) ordered that the status quo granted shall continue until further orders. The applications are still pending.

As instructed by **the Hon'ble Chief Minister**, the Government of Tamil Nadu filed a Suit (O.S. No. 4 of 2014) on 26.09.2014 in the Hon'ble Supreme Court praying to grant permanent injunction restraining the Kerala from trespassing/ encroaching upon the area leased to the Tamil Nadu under the Agreement of 1886 and affirmed by the Supplemental Agreements of 1970 and from taking up any further construction of the Mega Car Park in the leased area and to restore the land trespassed / encroached upon to its original state. Also an I.A was filed to grant ad- interim injunction restraining the respondent State of Kerala from taking up any further construction of the Mega Car Parking Project in the leased area under the Agreement of 1886, pending disposal of the Suit.

The Government of Kerala on 01.10.2015 filed its Written Statement for the Civil Suit and I.A filed by the Government of Tamil Nadu. The Replication of the Government of Tamil Nadu was filed on 2.3.2016 in the Supreme Court. The Suit is pending in the Supreme Court of India.

14.2.3. EIA study for construction of new dam opposed

The Supreme Court, in its Order dated 07.05.2014, has categorically stated that the existing MullaiPeriyar Dam is Hydrologically, Structurally and Seismically safe and added that in the matter of the construction of new dam, there has to be an agreement between the Parties and the offer made by Kerala cannot be thrust upon Tamil Nadu. Thus, the Supreme Court held that the Government of Kerala is prohibited from constructing a new dam. Irrespective of that, the Government of Kerala had

obtained clearance suomotu from the Standing Committee of National Board for Wildlife (NBWL) of Ministry of Environment and Forest (MoEF) for conducting an Environmental Impact Assessment (EIA) study for new MullaiPeriyar Dam in a 10 km radius of the proposed dam site.

The Hon'ble Chief Minister on 13.12.2014 wrote to the Prime Minister urging to instruct the Ministry of Environment & Forest, Government of India to withdraw the clearance given to Government of Kerala for conducting Environment Impact Assessment study.

The Hon'ble Chief Minister in letter dated 10.06.2015 addressed to the Hon'ble Prime Minister of India pointed out that the very fact of entertaining the Government of Kerala's request and considering the same by the Government of India for approving the terms of reference to conduct and Environmental Impact Assessment Study for the construction of a new dam is itself a gross violation of the Decree and Order of the Hon'ble Supreme Court dated 07.05.2014 and requested to seek personal intervention and instruct the Ministry of Environment, Forests and Climate Change and its Agencies, to desist from entertaining and considering the proposal of the Government of Kerala in future and also to negative the proposal and return it to the Government of Kerala.

The Ministry of Environment, Forest & Climate Change in its letter dated 15.7.2015 to the Government of Tamil Nadu informed that as per the notification for EIA Study of 2006, in respect of construction of new dam, the clearance given to Kerala for EIA Study has been cancelled in view of the Orders of Supreme Court.

Further Ministry of Environment, Forest & Climate Change in letter dated 4.8.2015 informed that it closed the file and also removed the proposal of Kerala from its website. It

also stated that this fact has also been intimated to Government of Kerala.

In the circumstances, the unilateral action of Kerala to construct new dam and to conduct study has been stopped because of the actions of the Government of Tamil Nadu.

14.3. Palar River

When the Government of Andhra Pradesh proposed to construct a dam at Ganeshapuram in Kuppam Taluk with a storage capacity of about 0.6 T.M.C.ft. for irrigation and drinking water to Kuppam town and surrounding areas, as instructed by the Hon'ble Chief Minister, the Government of Tamil Nadu filed a Suit with an Interlocutory Application in the Supreme Court on 10.02.2006. The Suit is now being heard.

In the Memorandum presented by the Hon'ble Chief Minister to the Prime Minister on 14.06.2011, it was urged to advise the Government of Andhra Pradesh not to go ahead with any work relating to the construction of the proposed reservoir across the river Palar.

In the meantime, when reports were received that the Government of Andhra Pradesh has unilaterally increased the height of the Check dam across Palar river at Perumpallam Village, in Chittoor District near the Andhra Pradesh-Tamil Nadu border, from the existing height of 5ft. to 12ft., the Hon'ble Chief Minister of Tamil Nadu immediately on 1.7.2016 addressed the Chief Minister of Andhra Pradesh lodging Tamil Nadu's strong protest and requesting to intervene immediately and issue instructions to the officials concerned to take urgent steps to reduce the height of the Check dam to its original height, allow the natural flows to flow into Tamil Nadu, etc.

Meanwhile there were reports that the Government of Andhra Pradesh, has increased the height of 3 more check

dams across the river Palar situated within the limits of the State of Andhra Pradesh by 0.50m to 1.5m. The Government of Tamil Nadu lodged its strong protest against the action of Government of Andhra Pradesh, in its letter dated 11.7.2016 and requested to immediately reduce the height of the check dams to the original level, not to store water additionally, and not to carry out any construction activities in violation of the Madras-Mysore Agreement, 1892.

The Government of Tamil Nadu, in the letter dated 11.7.2016 has also requested the Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India to immediately intervene in the matter and issue appropriate instructions to the Government of Andhra Pradesh in the matter.

Since, there was no response either from the Government of Andhra Pradesh or from the Ministry of Water Resources, as instructed by the Hon'ble Chief Minister, the Government of Tamil Nadu, filed a Suit along with an Interlocutory Application in the Supreme Court on 18.7.2016.

The prayers made in the Suit are as follows:-

(A) Prayers in the Suit

- (i) Declare that the unilateral action of the 1st Defendant, State of Andhra Pradesh in having increased the height of existing Check Dams and in having constructed new check dams across the Palar river and its tributaries without obtaining the prior consent of the plaintiff State are illegal and also infringes the fundamental rights of the inhabitants of the plaintiff State;
- (ii) Grant mandatory injunction directing the 1st Defendant State of Andhra Pradesh to restore the height of the Check Dams across the Palar river situated at Perumballam village, Kanganahalli, Chittavoor, and Kangundi to their original stage;

- (iii) Grant permanent injunction restraining the 1st Defendant, State of Andhra Pradesh from increasing the height of Check Dam / diversion structure across the Palarriver and its tributaries in the State of Andhra Pradesh;
- (iv) Grant permanent injunction directing the 1st Defendant, State of Andhra Pradesh to remove the new Check Dams constructed across Palarriver and its tributaries;
- (v) Grant permanent injunction restraining the 1st Defendant, State of Andhra Pradesh from storing water additionally and ensuring the natural flows in the Palarriver and its tributaries to the Plaintiff State;
- (vi) Grant permanent injunction restraining the 1st Defendant State of Andhra Pradesh from proposing any new Check Dam / diversion structure / increasing the height of any existing structure (s) or any modification to the existing structure(s) across Palar river and its tributaries without obtaining previous consent from the Plaintiff State;
- (vii) Grant mandatory injunction directing 3rd Defendant Union of India to take action on Plaintiff's letter dated 11.07.2016 with reference to Check Dams and diversion structures undertaken by 1st Defendant; State of Andhra Pradesh; and
- (viii) Pass such further decree or decrees or order or orders as this Hon'ble Court may deem fit and proper in the facts and circumstances of the case.

(B) Prayer in the Interlocutory Application

- (i) Grant ad-interim injunction restraining the 1st Defendant State of Andhra Pradesh from proceeding with any further activity with regard to the construction of five new check dams across the tributaries of Palar river of Deprevu, Pavalenka in the Veeramalai forest area, pending disposal of the suit;

- (ii) Grant ad interim injunction directing the 1st Defendant, State of Andhra Pradesh to ensure natural flows to the Plaintiff State as it stood prior to the increase in the height of the existing check dams and also the construction of new check dams across the Palar river, pending disposal of the suit;
- (iii) Pass such further decree or decrees or order or orders as this Hon'ble Court may deem fit and proper in the facts and circumstances of the case.

14.4. Pennaiyar River

The river Pennaiyar is one of the 15 Rivers mentioned in Schedule-A of the Madras-Mysore Agreement, 1892. As per Clause-II of the agreement, the upstream State should not, without the previous consent of the downstream Tamil Nadu State, build any new anicut or any structure to obstruct, divert or store the waters of the river across any part of the river.

When the Government of Karnataka proposed to build Check Dams and diversion structures across the river Pennaiyar, Hon'ble Chief Minister on 19.05.2012 wrote to the Prime Minister stating that the Government of Karnataka has neither sought the consent of the Government of Tamil Nadu nor have they furnished any information to the Government of Tamil Nadu, despite the Government of Tamil Nadu taking up the matter with the Government of Karnataka to furnish the details of the schemes and also urging them not to commence any work without the consent of the Government of Tamil Nadu and requesting him to intervene and advise the Government of Karnataka to stop forthwith the execution of any check dams or diversion structures etc., across the river Pennaiyar. Hon'ble Chief Minister on 27.03.2013 has once again sought the intervention of the Prime Minister to advise the Government of Karnataka to stop any

construction activity across the river Pennaiyar and not to venture upon any schemes in the river without the prior consent of Tamil Nadu.

The Ministry of Water Resources, Government of India, on 14.02.2014 informed that as far as the issue of construction of Check dam across the Markandeyanadhi, a tributary of Pennaiyar is concerned, no DPR / proposal in this regard has been received in CWC for examination from inter – State angle and the same was reiterated by the CWC in letter dated 05.03.2015.

As instructed by the Hon'ble Chief Minister, the Government of Tamil Nadu, filed a Suit (O.S.No.2 of 2015) in the Supreme Court on 05.06.2015 along with an I.A restraining Karnataka from letting the untreated effluents into Cauvery and Pennaiyar rivers, their main streams, tributaries and all other streams before the same enter Tamil Nadu. The Suit is pending. In the meanwhile, in the application filed by an individual in NGT, SZ, the Government of Tamil Nadu on 14.10.2015 filed its reply. This is pending.

The Government of Tamil Nadu is taking all steps to protect the interest of the farmers who depend on the waters of the river Pennaiyar.

EDAPPADI K. PALANISWAMI
MINISTER FOR PUBLIC WORKS,
HIGHWAYS AND MINOR PORTS