



**PUBLIC WORKS DEPARTMENT
WATER RESOURCES DEPARTMENT**

**PERFORMANCE BUDGET
2018–2019**

©

GOVERNMENT OF TAMILNADU

2019

PUBLIC WORKS DEPARTMENT
WATER RESOURCES DEPARTMENT

1.0. General

Water Resources Management deals with efficient planning, development, distribution and optimum utilization of water resources. An Integrated Water Management and Sustainable Development need attention, as there is growing demand for water between ecosystems and socio-economic sectors. This water demand challenges and necessitates interventions across an entire economy. The Government on a proactive basis address these challenges effectively by implementing various schemes and projects to ensure timely availability of the required quantum of water to the farming community and required food production & security.

Schemes on River inter-linking, Flood Management Programme, Coastal Protection Works, Ground water development and Management are all implemented by this Department.

2.0. Performance during the year 2018-2019

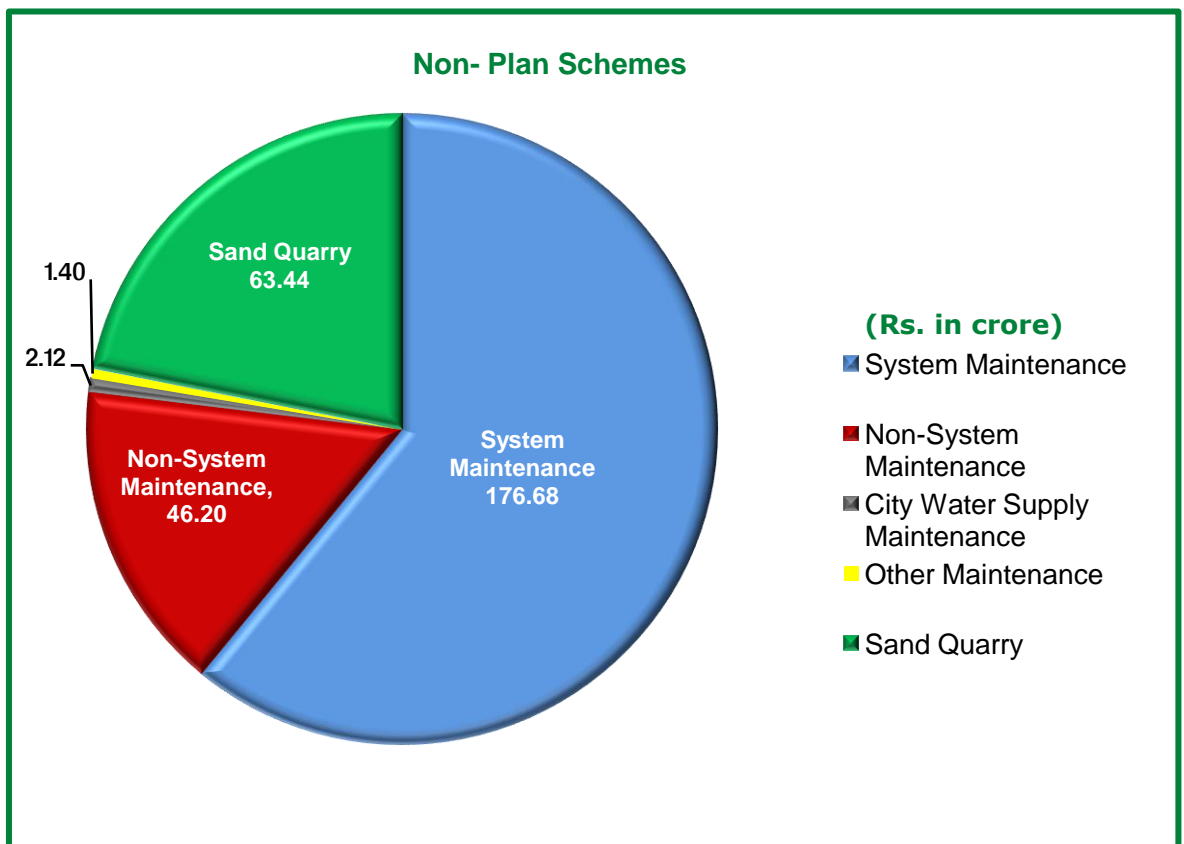
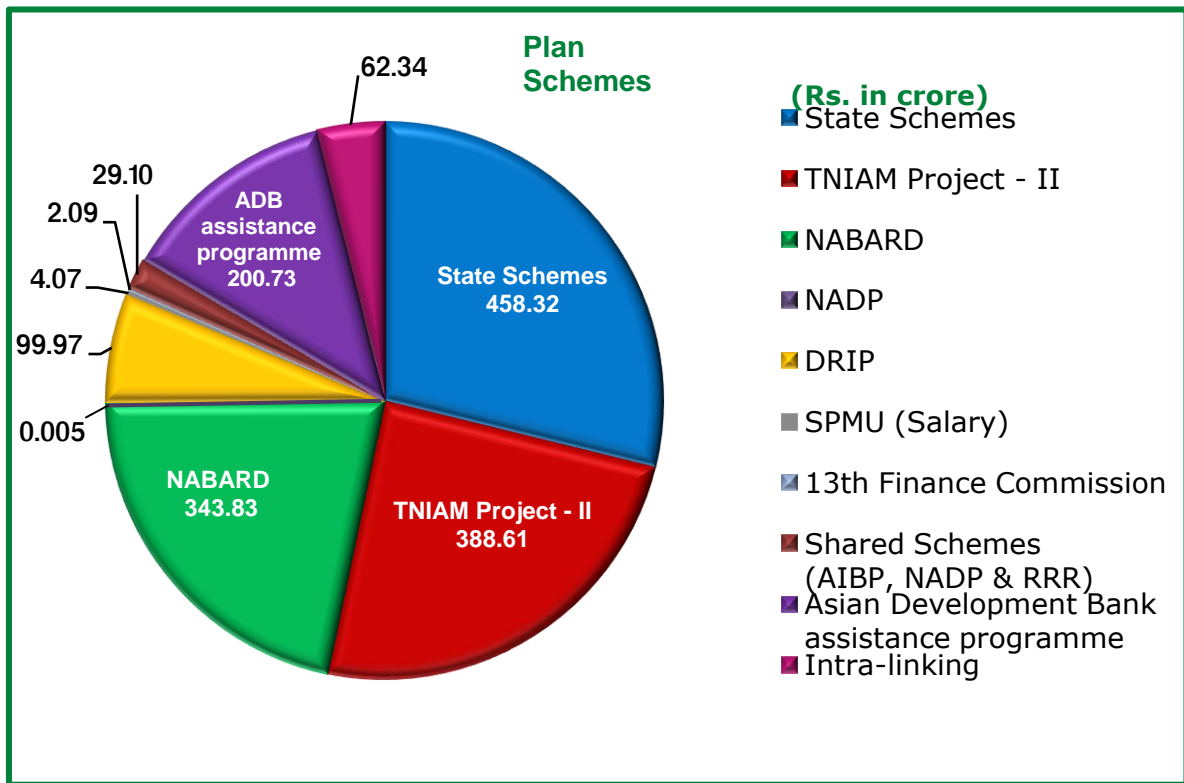
The financial achievement, details of various schemes completed / In progress and other activities taken up during 2018-2019 are as under:

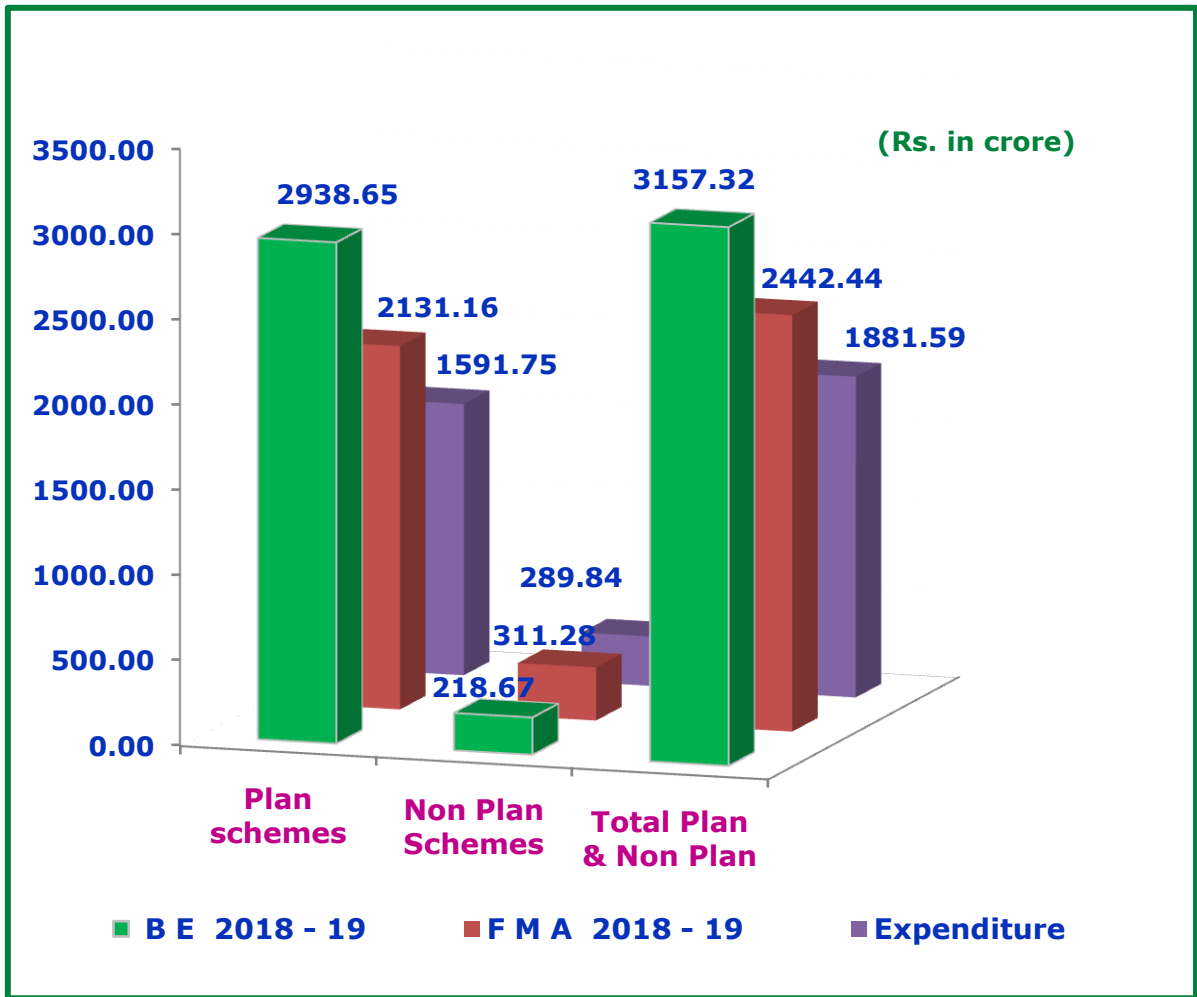
(Rs.in crore)

Scheme	B E 18 - 19	F M A 18 - 19	Expenditure
I Plan			
State Schemes	843.14	712.88	458.32
TNIAM Project - II	661.58	517.80	388.61
NABARD Fund Assistance	698.44	409.69	343.83
National Agriculture Development Project (NADP)	10.00	0.04	0.005
Dam Rehabilitation and Improvement Project (DRIP)	168.86	116.60	99.97
State Project Management Unit - SPMU (Salary)	4.54	4.49	4.07

Scheme	B E 18 - 19	F M A 18 - 19	Expenditure
13th Finance Commission Funded Schemes	0.00	2.31	2.09
State and Central Shared Schemes (AIBP, NADP & RRR)	8.68	36.42	29.10
Asian Development Bank assistance programme (ADB)	437.41	230.74	200.73
Intra-linking Schemes	100.88	95.90	62.34
Sub Total Plan schemes (Works)	2933.53	2126.87	1589.06
M D P U (Estt.)	5.12	4.29	2.68
Total Plan schemes	2938.65	2131.16	1591.75
II Non-Plan			
Irrigation System Maintenance	157.69	182.72	176.68
Irrigation Non-System Maintenance	42.19	46.41	46.20
City Water Supply Maintenance	2.54	2.20	2.12
Other Maintenance	0.95	1.41	1.40
Sand Quarry	15.30	78.54	63.44
Sub Total (Non-Plan)	218.67	311.28	289.84
GRAND TOTAL (Plan & Non-Plan)	3157.32	2442.44	1881.59

FUNDS APPROVED UNDER DEMAND No. 40





3.0. Important Ongoing schemes

3.1. Kudimaramath - Water Bodies Restoration with Participatory Approach

In 29 Districts, 1511 works for an estimated amount of RS.328.95 Crore were sanctioned for the year 2017-18. So far, 1408 works have been completed, 46 works are in progress, 57 works are to be taken up.

The District wise details are furnished below:

(Rs.in Crore)

Sl. No	Name of District	Total No. of works	Estimate Amount (Rs. in Crore)	No. of works completed
1	Ariyalur	19	3.74	19
2	Coimbatore	34	4.94	34
3	Cuddalore	55	11.50	55
4	Dharmapuri	10	3.27	10
5	Dindigul	21	4.45	21
6	Erode	53	8.99	53
7	Kancheepuram	31	6.88	31
8	Kanniyakumari	39	5.83	0
9	Karur	22	3.57	22
10	Madurai	128	31.09	116
11	Nagapattinam	51	7.98	51
12	Namakkal	23	7.37	22
13	Perambalur	15	1.75	15
14	Pudukkottai	29	9.22	24
15	Ramanathapuram	64	31.20	61
16	Salem	31	9.80	30
17	Sivagangai	104	24.67	95
18	Thanjavur	70	11.09	66
19	Theni	5	1.92	5
20	Tiruppur	159	14.96	149
21	Tiruvallur	66	14.62	61
22	Tiruvarur	41	5.10	41
23	Thoothukudi	22	9.53	19
24	Tirunelveli	144	34.14	137
25	Thiruvannamalai	34	8.50	33
26	Trichy	65	9.68	62
27	Vellore	62	11.68	62
28	Villupuram	55	12.50	54
29	Virudhunagar	59	18.98	58
	TOTAL	1511	328.95	1406

3.2. Athikadavu-Avinashi scheme

The Government have accorded administrative sanction for implementation of Athikadavu-Avinashi Irrigation, Groundwater recharge and Drinking water supply scheme in Coimbatore, Tiruppur and Erode Districts at an estimated cost of Rs.1652.00 crore under State fund in a Design, Build, Operate and Transfer (DBOT) basis.

This project mainly aims at providing irrigation facilities to the drought prone areas and ground water depleted areas of Coimbatore, Tiruppur and Erode Districts.

It is proposed to construct Check Dam across the river Bhavani, downstream of Kalingarayan anicut and to convey 1.5 TMC ft surplus water through pipelines by pumping to feed 32 Public Works Department tanks, 42 Panchayat Union tanks and 971 percolation ponds thereby recharge ground water, develop drinking water facilities in addition to irrigate existing 24468 acres in Coimbatore, Tiruppur and Erode districts.

Present Status of Works is as follows:

- 1) Main Line Survey works for 105.33km have been completed.
- 2) Branch Line Survey works for 913.90km have been completed.
- 3) The Survey works for 1044 Nos of Tanks and Ponds have been completed.
- 4) Proposal has been prepared and submitted to the State Environmental Impact Assessment Authority (SEIAA), Chennai for obtaining Environmental clearance for this scheme.
- 5) The conceptual design is under consideration of the consultant M/s. WAPCOS Limited.

3.3. Strengthening of existing Regulator at Mukkombu Upper Anicut in Tiruchirapalli district

Regulator at Mukkombu (Upper Anicut) was damaged during last year flood (2018). To ease flood water during monsoon and to supply water for irrigation till the construction of new anicut strengthening of Upper Anicut by constructing Coffor Dam at Upstream and Cut off wall at Down Stream for an amount of Rs.38.85 crore has been sanctioned and work is in progress.

Coffor Dam for length of 220m at Up stream is completed. Out of 645m Cut off wall at Down stream 120m length is completed. Remaining works are in progress.

3.4. Construction New Regulator across Southern and Northern arms of Upper Anicut of Kollidam River in Tiruchirapalli district

Mukkombu (Upper Anicut) was constructed across Kollidam River by Sir Arthur Thomas Cotton in 1836. Administrative sanction for Rs.387.60 crore has been accorded with NABARD Assistance for construction of new regulator in lieu of the old one which was affected by flood during last year (22.08.2018). At present foundation work (Pile Foundation) is in progress.

3.5. Construction of a Barrage with head sluices across the Kollidam River at Adhanur, Kumaramangalam Villages in Cuddalore and Nagapattinam Districts

Construction of a barrage with head sluices across the River Kollidam at RD 74/3 mile in Adhanur and Kumaramangalam Villages in Cuddalore and Nagapattinam Districts has been sanctioned for an estimated amount of Rs.428.00 crore. The amount comprises Rs.396.414 crore for the civil works, Rs.31.345 crore for Land acquisition and Rs.24.00 lakh for Surveying and Levelling operations of the scheme.

This barrage is proposed for the total usable annual storage of 1.336 T.M.C. ft. adopting 4 no. of fillings. The total ayacut benefitted would be 31,221 acres, out of which 26810 acres through stabilisation and 4411 acres by recharging of existing nearby wells in Cuddalore and Nagapattinam Districts water stored by this scheme is taken to Veeranam tank is utilised for Chennai city drinking water purpose. The Villages on both the banks of river Kollidam will be linked by the provision of bridge over the regulator. In this scheme construction of Coffe Dam, Raft foundation , Approach road works, strengthening of North rajan canal bund and construction of Two way bridge connection South rajan canal and Narimudukku drain are in progress.

4.0. Supply of Vandal

The Government have allowed potters, public and farmers to take the clay, silt, savudu and gravel from the beds of tanks, channels, and reservoirs at free of cost in the notified water Bodinayakkanures after obtaining prior permission from the concerned District Administration (The Amendment to Rule 12(2) and 12 (2-A) (a) of the Tamil Nadu Minor Minerals. Concession Rules, 1959 made on 27.04.2017)

So far, 72.867 M.Cum of vandal soil has been supplied to 6,49,059 beneficiaries throughout Tamil Nadu. Out of this, 16.272 M.Cum of vandal earth has been issued to 1,18,215 beneficiaries through Water Resources Department.

5.0. CREATION OF NEW IRRIGATION INFRASTRUCTURE

5.1. New Reservoirs/ Barrages

Works in progress

Formation of Reservoir across Marudaiyaru River near Kottarai Village in Alathur Taluk of Perambalur District at an estimated cost of

Rs.124.20 crore is in progress, to benefit an ayacut of 4194 acre. 80% of the works have been completed.

Formation of a New reservoir near Kannankottai and Thervoy Kandigai Villages in Gummidipoondi Taluk of Tiruvallur District at an estimated cost of Rs.380.00 crore is in progress, to benefit an ayacut of 696 acre. 75% of the works have been completed.

5.2. New Anicuts / Regulators

Work completed

Construction of an Anicut across Cheyyar River near Vengancheri Village in Uthiramerur Taluk of Kancheepuram District has been completed at an estimated cost of Rs.8.00 crore, benefiting an ayacut of 810 acre.

Construction of an Anicut across Kallar River near V. Kalathur Village to feed Ayanperaiyur Tank and Keeranur Tank in Veppanthattai Taluk of Perambalur District at an estimated cost of Rs.8.00 crore, benefiting an ayacut of 471 acre.

Construction of an Anicut across Manimuthar River to feed S.R.Pattanam tank and other tanks in Kurunthampattu Village of Karaikudi Taluk of Sivagangai District has been completed at an estimated amount of Rs.6.81 crore, benefiting an ayacut of 814 acre.

Construction of an Anicut across Cheyyar River near Anaivadi Village to feed Karaipoondi tank and Koralpakkam tank in Polur Taluk (Kalasapakkam) of Tiruvannamalai District has been completed at an estimated cost of Rs.7.30 crore, benefiting an ayacut of 588 acre.

Construction of an Anicut across Kowshikanadhi in Avudaiyapuram Village to feed Kaalaperumalpatti tank in Virudhunagar Taluk and District has been completed at an estimated cost of Rs. 3.50 crore, benefiting an ayacut of 292 acre.

Works in progress

Construction of Tail end Regulator across Kittianai Uppanar at LS 7.100 km in Pudupattinam Village (nearby Thargas Anjaneyar Temple back side) of Sirkali Taluk of Nagapattinam District at an estimated cost of Rs.9.77 crore is in progress, to benefit an ayacut of 48129 acre. 25% of the works have been completed.

Construction of an anicut across Kozhuvanar River to feed Alathur and Vengakudi Tanks under NADP Scheme in Pilluvalasai Village in Avudaiyarkovil Taluk of Pudukkottai District at an estimated cost of Rs.4.00 crore is in progress, benefiting an ayacut of 667 acre. 60% of the works have been completed.

Construction of an Anicut across Virusuliyar River to feed Mallanur tank and other tanks in Tiruvadana Taluk of Ramanathapuram District at an estimated cost of Rs.1.896 crore is in progress, to benefit an ayacut of 549.06 acre. 35% of the works have been completed.

Construction of an Anicut across Paralaiyar River to feed Keelasivankulam tank etc, in Melaparthibanoor Village in Paramakudi Taluk of Ramanathapuram District at an estimated cost of Rs.2.91 crore is in progress, to benefit an ayacut of 388.39 acre. 52% of the works have been completed.

Construction of an Anicut across Paralayar River to feed Perianaikulam Tank etc., in Perianaikulam village in Kamuthi Taluk in Ramanathapuram District at an estimated cost of Rs.2.82 crore is in progress, to benefit an ayacut of 377.75 acre. 15% of the works have been completed.

Construction of an Anicut across Palar River to feed Perumi Tank and other Tanks in Thiruvudaiyarpatti Village under NADP Scheme in Thirupathur Taluk of Sivagangai District at an estimated cost of Rs.2.50 crore is in progress, benefiting an ayacut of 215 acre and stabilising a gap of 379 acre. 93% of the works have been completed.

Construction of an Anicut across Naganadhi River near Ammapalayam village to feed Melnagar Tank in Arni Taluk of Tiruvannamalai District at an estimated cost of Rs.3.28 crore is in progress, to benefit an ayacut of 757 acre. 60% of the works have been completed.

Construction of an Anicut across Kallar River near Nemili & Asanallikuppam Villages feeding to Sayanavaram Tank in Arakonam Taluk in Vellore District at an estimated cost of Rs.9.90 crore is in progress, to benefit an ayacut of 2340 acre. 35% of the works have been completed.

Construction of an Anicut across Pennaiyar between Enaderimangalam Village in Panruti Taluk in Cuddalore District and Dalavanur Village in Villupuram Taluk in Villupuram District at an estimated cost of Rs.25.35 crore is in progress, to benefit an ayacut of 2114 acre. 15% of the works have been completed.

5.3. New Tanks / Ponds

Works in progress

Formation of Tank across Nallathangal Odai Near Kothaiyam Village of Oddanchataram Taluk in Dindigul District at an estimated cost of Rs.17.38 crore is in progress, to benefit an ayacut of 800 acre. 91% of the works have been completed.

Formation of Percolation pond across Kaanimar odai in Mammaniyur Hamlet in Kombaripatti village in Vedachandur Taluk of Dindigul District at an estimated cost of Rs.1.92 crore is in progress, to benefit an ayacut of 193.47 acre.

Formation of Tank across jungle stream near Kanakampalayam village in Gobichettipalayam Taluk of Erode District at an estimated cost of Rs.64.20 crore is in progress, to benefit an ayacut of 500 acre.

5.4. New Canals / Supply Channels / Barrels

Works completed

Formation of a Branch Channel to Nedumadurai Tank and Thottiyapatti Tank from Nilayur Extension Channel in Thirupparankundram Taluk of Madurai District has been completed at an estimated cost of Rs.1.30 crore, benefiting an ayacut of 906 acre.

Construction of a 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 has been completed at an estimated cost of Rs.2.20 crore, to drain storm water.

Works 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 crore is in progress, to benefit an ayacut of 4241 acre. 18% of the works have been completed.

Construction of Barrel at LS 2046 m across Kannadian Channel to divert the drainage water of Kallidaikurichi town in Ambasamudram Taluk of Tirunelveli District at an estimated cost of Rs.1.60 crore is in progress, to divert the drainage water of Kallidaikurichi town. 10% of the works have been completed.

Linking of Parambikulam Aliyar Project System to Uppar Canal in Dharapuram Taluk of Tiruppur District at an estimated cost of Rs.8.10 crore is in progress, to benefit an ayacut of 6,060 acre.

5.5. New Check Dams / Bed Dams / Grade walls / Diaphragm walls

Works completed

Construction of Check Dam across Vilankudi Odai in Vilankudi Village in Ariyalur Taluk and District has been completed at an estimated cost of Rs. 1.00 crore, benefiting an ayacut of 40.80 acre.

Construction of Checkdam across Kodaganar river near Velakavundampatti in Seevalsaragu Village of Athur Taluk of Dindigul District has been completed at an estimated cost of Rs. 1.82 Crore, benefiting an ayacut of 187 acre.

Construction of Checkdam across Nanganiyar river in SF.No.605 in Virupakshi Village of Oddanchathiram Taluk of Dindigul District has been completed at an estimated cost of Rs. 1.32 Crore, benefiting an ayacut of 260 acre.

Construction of Check Dam across Marudhanadhi river near Ravutharthotam in Konampatti Village in Nilakottai Taluk of Dindigul District has been completed at an estimated cost of Rs. 0.89 Crore, benefiting an ayacut of 124 acre.

Construction of a Check Dam across Thirumanimuthar near Mulaiyoor Village in Natham Taluk of Dindigul District has been completed at an estimated cost of Rs. 0.59 Crore, benefiting an ayacut of 104 acre.

Construction of a Check dam across Amaravathi River near Periyar Nagar in Andankoil Village in Manmangalam Taluk of Karur District has been completed at an estimated cost of Rs.15.16 crore, benefiting an ayacut of 1621 acre.

Construction of Check Dam across Periyapallam odai near Vavalthoppu in S.F No.109 of Kolathur Village in Mettur Taluk of Salem District has been

completed at an estimated cost of Rs. 0.74 Crore, benefiting an ayacut of 10 acre.

Construction of a Check dam across Vaigai river near Thirupuvanam Town Panchayat in Thirupuvanam Taluk of Sivagangai District has been completed at an estimated cost of Rs.10.00 crore, benefiting an ayacut of 1329 acre.

Construction of Check Dam across Palar River in Kalappur Village of Singampunari Taluk of Sivagangai District has been completed at an estimated amount of Rs.2.76 crore, benefiting an ayacut of 319 acre.

Construction of a Check dam across Vedapuri river at LS 35.00 km in Poyundarkudikkadu Village in Orathanadu Taluk of Thanjavur District has been completed at an estimated amount of Rs.3 crore, benefiting an ayacut of 494 acre.

Construction of Check Dam across Panankulam surplus drain at L.S 2.00 km in Vannankollaipatti Village of Orathanadu Taluk in Thanjavur District has been completed at an estimated amount of Rs.0.51 crore, benefiting an ayacut of 210 acre.

Construction of Check Dam across Thalayamangalam eri drain at L.S 1.60 km in Thalayamangalam Village of Orathanadu Taluk in Thanjavur District has been completed at an estimated amount of Rs.0.49 crore, benefiting an ayacut of 218 acre.

Construction of Check dam across Kottakudi River in S.F.No 683/2 of Bodinayakkanur Village in Bodinayakkanur Taluk of Theni District has been completed at an estimated amount of Rs.1.5 crore, benefiting an ayacut of 650 acre.

Construction of a Check Dam across Valaiyar near Mamarathuvayal in Boothipuram Village in Bodinayakkanurnayakkanur Taluk of Theni District

has been completed at an estimated cost of Rs. 0.72 Crore, benefiting an ayacut of 149 acre.

Construction of a Check Dam across Valaiyar near Nattamaithoppu in Boothipuram Village of Bodinayakkanurnayakkanur Taluk of Theni District has been completed at an estimated cost of Rs. 0.66 Crore, benefiting an ayacut of 102 acre.

Construction of a Check Dam across Pillayaroothu odai in Devaram Village in Uthamapalayam Taluk of Theni District has been completed at an estimated cost of Rs. 0.36 Crore, benefiting an ayacut of 138 acre.

Construction of a Check dam across Tamirabarani River in Serndamangalam Village near Mukkani in Srivaikundam Taluk of Thoothukudi District has been completed at an estimated cost of Rs.25.75 crore, benefiting an ayacut of 990 acre.

Construction of Check Dam across Uppodai River in Avudaiyammalpuram Village in Kovilpatti Taluk of Thoothukudi District has been completed at an estimated amount of Rs.0.86 crore, benefiting an ayacut of 231 acre.

Construction of Check Dam across Hanumanadhi Down Stream side of Arunthavapiratti Anicut in Surandai Village in Veerakeralamputhur Taluk of Tirunelveli District has been completed at an estimated amount of Rs.3.00 crore, benefiting an ayacut of 187 acre.

Construction of Check Dam across Hanumanadhi near infall point of Chittar River in Surandai Village in Veerakeralamputhur Taluk of Tirunelveli District has been completed at an estimated amount of Rs.2.17 crore, benefiting an ayacut of 125 acre.

Construction of Check Dam across Nambiyar River at D/S side of Rajakkalmangalam anicut in Rajakkalmangalam Village of Nanguneri

Taluk in Tirunelveli District has been completed at an estimated cost of Rs. 1.87 Crore, benefiting an ayacut of 288 acre.

Construction of a Check Dam across Uppar River in Periyakumarapalayam Village in Dharapuram Taluk of Tiruppur District has been completed at an estimated cost of Rs. 2.3 Crore, benefiting an ayacut of 249 acre.

Construction of a Check Dam across Nallar River in SF No 271 of Devanurpudur Village in Udumalpet Taluk of Tiruppur District has been completed at an estimated cost of Rs.1.80 crore, benefiting an ayacut of 59 acre.

Construction of Checkdam across Periyakarai odai in SF. No. 453 of Chinnamuthur Village in Kangeyam Taluk in Tiruppur District has been completed at an estimated cost of Rs. 0.90 Crore, benefiting an ayacut of 639 acre.

Construction of Check dam across Kosasthalaiyar river in between Pudahukuppam and Kuthiraipallam Village in Ponneri Taluk of Tiruvallur District has been completed at an estimated cost of Rs. 9.90 crore, benefiting an ayacut of 988 acres.

Construction of a Check Dam across Kosasthalaiyar River near Attrambakkam Village in Uthukottai Taluk of Tiruvallur District has been completed at an estimated cost of Rs.7.00 crore, benefiting an ayacut of 356 acre.

Construction of a Diaphragm wall across Malattar river near Masigam village in Gudiyatham Taluk of Vellore District has been completed at an estimated cost of Rs.3.00 crore, benefiting an ayacut of 378 acre.

Construction of Check Dam across Uppodai in Nalli village (near Swaminatham village) in Sathur Taluk of Virudhunagar District has been

completed at an estimated cost of Rs. 1.20 Crore, benefiting an ayacut of 149 acre.

Works in progress

Construction of Check Dam across the Koraiyar River in S.F. No. 1 in Mannur Village in Pollachi Taluk in Coimbatore District at an estimated cost of Rs.1.80 crore is in progress, to benefit an ayacut of 60 acre. 90% of the works have been completed.

Construction of Check Dam across Periyapallam in Thekkampatti Village in Mettupalayam Taluk of Coimbatore District at an estimated cost of Rs.1.47 crore is in progress, to benefit an ayacut of 111 acre. 80% of the works have been completed.

Construction of Check Dam across Periyapallam in Kemmarampalayam Village in Mettupalayam Taluk of Coimbatore District at an estimated cost of Rs.1.02 crore is in progress, to benefit an ayacut of 111 acre. 80% of the works have been completed.

Construction of Check Dam across Kumittipathi River in S.F. No. 364 of Thirumalayampalayam Village near Theppakulathuparai in Coimbatore South Taluk of Coimbatore District at an estimated cost of Rs.0.87 crore is in progress, to benefit an ayacut of 122.05 acre. 60% of the works have been completed.

Construction of Check Dam across Vellar River in Gudalur Village in Thittagudi Taluk of Cuddalore District at an estimated cost of Rs.15.77 crore is in progress, to benefit an ayacut of 153 acre. 35% of the works have been completed.

Construction of Check Dam across Manimuktha River in Paravalur village in Virudhachalam Taluk in Cuddalore District at an estimated cost of

Rs.10.05 crore is in progress, to benefit an ayacut of 160 acre. 20% of the works have been completed.

Construction of Check Dam across Vaigai River at LS 35.05 Km in Chithargalnatham Village in Nilakottai Taluk of Dindigul District at an estimated cost of Rs.12.30 crore is in progress, to benefit an ayacut of 290.40 acre. 75% of the works have been completed.

Construction of Check Dam across Santhanavarthini River near Velampatti Hamlet of Marambadi Village in Vedasandur Taluk in Dindigul District at an estimated cost of Rs.4.27 crore is in progress, to benefit an ayacut of 741.30 acre. 75% of the works have been completed.

Construction of Check Dam across Manjalar River near Uchapatti in Kunnuvarayankottai Village in Nilakottai Taluk of Dindigul District at an estimated cost of Rs.2.47 crore is in progress, to benefit an ayacut of 264.39 acre. 20% of the works have been completed.

Construction of Check Dam across Manjalar River at L.S. 14000 m in Kanavoipatti Village in Nilakottai Taluk of Dindigul District at an estimated cost of Rs.2.11 crore is in progress, to benefit an ayacut of 215 acre. 10% of the works have been completed.

Construction of a Check Dam across Palar River near Esoor and Vallipuram Villages in Maduranthangam Taluk in Kancheepuram District at an estimated cost of Rs.30.95 crore is in progress, to benefit an ayacut of 341.44 acre. 60% of the works have been completed.

Construction of Check Dam across Kuzhithuraiyar near Eraimanthurai in Kanniyakumari District at an estimated cost of Rs.15.37 crore to prevent sea water intrusion is in progress.

Construction of Check Dam across Pennaiyar River in Bendrahalli Village in Pochampalli Taluk in Krishnagiri District at an estimated cost of

Rs.9.24 crore is in progress, to benefit an ayacut of 236.40 acre. 45% of the works have been completed.

Construction of Check Dam across Pennaiyar River in SF No.464 of Barur village near Arasampatti in Pochampalli Taluk of Krishnagiri District at an estimated cost of Rs.8.84 crore is in progress, to benefit an ayacut of 508 acre. 80% of the works have been completed.

Construction of Check Dam across Koneri / Pokkuniyar river in Ladapuram Village in Perambalur Taluk and District at an estimated cost of Rs.1.65 crore is in progress, to benefit an ayacut of 752.21 acre.

Construction of Check Dam across Ponaikuthi vari drain at L.S 2.50 km in Manamadai Village of Karampakudi Taluk in Pudukkottai District at an estimated cost of Rs.0.46 crore is in progress, to benefit an ayacut of 250 acre.

Construction of Check Dam across Gundar River near Kakkudi Village in Kamuthi Taluk of Ramanathapuram District at an estimated cost of Rs.3.80 crore is in progress, to benefit an ayacut of 709.47 acre. 20% of the works have been completed.

Construction of Check Dam across Gundar River near Sayalkudi Village in Kadaladi Taluk in Ramanathapuram District at an estimated cost of Rs.3.18 crore is in progress, to benefit an ayacut of 490.22 acre. 5% of the works have been completed.

Construction of Check Dam across Swetha Nadhi in Laddhuvadi Village in Gangavalli Taluk of Salem District at an estimated cost of Rs.2.43 crore is in progress, to benefit an ayacut of 43.88 acre. 10% of the works have been completed.

Construction of Check Dam across Swetha Nadhi in Upstream of Kalamman Koil in Kudamalai Village in Gangavalli Taluk in Salem District

at an estimated cost of Rs.1.88 crore is in progress, to benefit an ayacut of 65.63 acre. 15% of the works have been completed.

Construction of Check Dam across Kallar River in Panaimadal Village of Pethanaickenpalayam Taluk in Salem District at an estimated cost of Rs.1.37crore is in progress, to benefit an ayacut of 503 acre. 10% of the works have been completed.

Construction of Check Dam across Perumpallam Odai near Chinnathanda in S.F Nos.232 and 305 in Lakkampatti Village in Mettur Taluk in Salem District at an estimated cost of Rs.0.95 crore is in progress, to benefit an ayacut of 22.50 acre. 50% of the works have been completed.

Construction of Grade wall across Arasalar river at mile 52/3-4 in Sundaraperumalkovil Village in Kumbakonam Taluk of Thanjavur District at an estimated cost of Rs.5.20 crore is in progress, to benefit an ayacut of 1185 acre. 40% of the works have been completed.

Construction of Grade wall across Keerthimannar in mile 62/7 in Poundrigapuram Village in Thiruvidaimarudur Taluk of Thanjavur District at an estimated cost of Rs.3.90 crore is in progress, to benefit an ayacut of 614 acre. 75% of the works have been completed.

Construction of Check Dam across Ayyanapuram vari in S.F. No.28/88 in Vendayampatti Village of Budalur Taluk in Thanjavur District at an estimated cost of Rs.2.61 crore is in progress, to benefit an ayacut of 629 acre. 18% of the works have been completed.

Construction of 2 Check Dams across Pattuvanachi Drain @ L.S 6.500 km and 11.000 km in Vellur and Thoundrampattu Village in Orathanadu Taluk in Thanjavur District at an estimated cost of Rs.0.93 crore is in progress, to benefit an ayacut of 335 acre. 5% of the works have been completed.

Construction of Check Dam across Arumalai drain at L.S 1.25 km in Arumalai Village of Orathanadu Taluk in Thanjavur District at an estimated cost of Rs.0.49 crore is in progress, to benefit an ayacut of 204 acre. 50% of the works have been completed.

Construction of Check Dam across Vannanvari at L.S 2.100 km in Thoppuviduthi Village of Orathanadu Taluk in Thanjavur District at an estimated cost of Rs.0.44 crore is in progress, to benefit an ayacut of 280 acre. 86% of the works have been completed.

Construction of Check Dam across Kosasthalaiyar River in Pattaraiperumbudur Village to channelize water to Arulmigu Veeraraghavaperumal Temple tank in Thiruvallur Taluk and District at an estimated cost of Rs.25.00 crore is in progress. Ground Water table in and around the tank is expected to raise by this work. 40% of the works have been completed.

Construction of Grade wall across Odambogiyar river at mile 74/4 in Nadupadugai village in Kudavasal Taluk in Thiruvarur District at an estimated cost of Rs.2.47 crore is in progress.

Construction of Grade wall across Keerthimananar river at mile 72/7 to feed Serugudy channel in Serugudy village of Kudavasal Taluk in Thiruvarur District at an estimated cost of Rs.1.49 crore is in progress, to benefit an ayacut of 322 acre. 60% of the works have been completed.

Construction of 2 nos. of Check Dams across the arms of Vembar River near Vembar Village and Periyasamipuram Village in Vilathikulam Taluk of Thoothukudi District at an estimated cost of Rs.17.98 crore is in progress, to benefit an ayacut of 573 acre. 5% of the works have been completed.

Construction of new Check Dam across Tambiraparani River near Agaramkudiyiruppu in Vallanadu Village of Srivaikundam Taluk of

Thoothukudi District at an estimated cost of Rs.12.29 crore is in progress, to benefit an ayacut of 2347 acre. 5% of the works have been completed.

Construction of Check Dam across Karumeniyar River in Pallakurichi Village of Sathankulam Taluk in Thoothukudi District at an estimated cost of Rs.2.84 crore is in progress, to benefit an ayacut of 195 acre. 50% of the works have been completed.

Construction of Check Dam across Uppodai River in Savalaperi Village in Kovilpatti Taluk of Thoothukudi District at an estimated cost of Rs.2.32 crore is in progress, to benefit an ayacut of 564 acre. 50% of the works have been completed.

Construction of Bed Dam across Kottamalaiyar River offtake at Achanthikulam Channel in Puliyankudi Village in Kadayanallur Taluk of Tirunelveli District at an estimated cost of Rs.2.16 crore is in progress, to benefit an ayacut of 299 acre. 5% of the works have been completed.

Construction of Check Dam across Chittar River at Down Stream side of Nettur Anicut in Agaram Village in Veerakeralamputhur Taluk of Tirunelveli District at an estimated cost of Rs.1.79 crore is in progress, to benefit an ayacut of 184 acre.

Construction of Bed Dam across Elumichaiyar River near Maruthankulam offtake in Therkku Kallidaikurichi Village in Ambasamudram Taluk of Tirunelveli District at an estimated cost of Rs.1.73 crore is in progress, to benefit an ayacut of 225 acre. 95% of the works have been completed.

Construction of Check Dam across Nichabanadhi in Panaiyur Village in Sankarankovil Taluk in Tirunelveli District at an estimated cost of Rs.1.13 crore is in progress, to benefit an ayacut of 204 acre. 5% of the works have been completed.

Construction of Check Dam across Uppar Odai in S.F.No.135 of Amandhakadavu Village in Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.1.52 crore is in progress, to benefit an ayacut of 126 acre. 80% of the works have been completed.

Construction of Check Dam across Cheyyar River near Thellur village in Arani Taluk in Tiruvannamalai District at an estimated cost of Rs.5.64 crore is in progress, to benefit an ayacut of 179 acre. 27% of the works have been completed.

Construction of Check Dam across Cheyyar near Kottavur of Paramanandal village in Chengam Taluk in Tiruvannamalai District at an estimated cost of Rs.2.00 crore is in progress, to benefit an ayacut of 71 acre. 40% of the works have been completed.

Construction of Check Dam across Agaram river near Karungali Village in Anicut Taluk in Vellore District at an estimated cost of Rs.5.00 crore is in progress, to benefit an ayacut of 428 acre. 55% of the works have been completed.

Construction of Check Dam across Pambar river near Chinnarampatti Village in Tirupathur Taluk in Vellore District at an estimated cost of Rs.2.48 crore is in progress, to benefit an ayacut of 62 acre. 25% of the works have been completed.

Construction of Artificial Recharging Structure across Manimuktha river near SF No.87 of Eduttavainatham village of Chinnasalem Taluk in Villupuram District at an estimated cost of Rs.1.90 crore is in progress, to benefit an ayacut of 125 acre. 45% of the works have been completed.

5.6. New Dividing Dam

Works in progress

Construction of Dividing Dam across Kalingalar at offtake point of Gudalurkulam in Naranapuram Village in Sivagiri Taluk of Tirunelveli District at an estimated cost of Rs.1.40 crore is in progress, to benefit an ayacut of 1228 acre. 60% of the works have been completed.

5.7. New Roads / Bridges

Works completed

Construction of Bridge across Sarabanga nadhi in SF.No.293 Avaniperur east village in Edappadi taluk of Salem District has been completed at an estimated cost of Rs.1.90 crore.

Works in progress

Construction of Bridge across Ponnar Main Channel at LS.10.70 Km in Sripuranthan Village of Udayar Palayam Taluk in Ariyalur District at an estimated cost of Rs.0.67 crore is in progress.

Construction of two lane bridge across South Bank Canal, Krishnarayapuram channel, New Kattalai High Level Canal and North Bank Canal near Mayanur Village in Krishnarayapuram taluk of Karur District at an estimated cost of Rs.6.86 crore is in progress.

5.8. New Buildings

Works in progress

Construction of Sub Division Office Building with Section Offices for the South Vellar Basin Sub Division, Keeranur in Kulathur Taluk of Pudukkottai District at an estimated cost of Rs.0.40 crore is in progress.

Construction of a Sub Division Office Building with two Section Offices for the Lower Vaigai Basin Sub Division, Thiruvadana in Thiruvadana Taluk of Ramanathapuram District at an estimated cost of Rs.0.36 crore is in progress.

6.0. REHABILITATION OF IRRIGATION INFRASTRUCTURE AND SYSTEMS

6.1. Rehabilitation of Dams - Dam Rehabilitation and Improvement Project (DRIP)

The Dam Rehabilitation and Improvement Project (DRIP) with World Bank loan assistance is under implementation at a total project cost of Rs.745.49 crore. Rehabilitation works have been taken up by the Water Resources Department in 69 dams at an estimated cost of Rs.469.94 crore. The details of works completed and in progress during 2018- 2019 are detailed below:

Works completed

Civil, Electrical, Hydro-Mechanical works and Rehabilitation works were completed in 67 dams viz. Siddhamalli dam in Ariyalur District, Lower Nirar, Sholayar, Aliyar and Upper Nirar dams in Coimbatore District, Willington dam and Veeranam Tank in Cuddalore District, Thumbalahalli, Kesarigulihalla, Nagavathy, Thoppiar, Vaniyar and Chinnar dams in Dharmapuri District, Marudhanadhi, Kodaganar, Kuthiraiyar and Palar-Porandhalar dams in Dindugul District, Varattupallam, Kunderipallam and Bhavanisagar dams in Erode District, Poigaiyar, Chittar-I, Chittar-II and Perunchani dams in Kanniyakumari District, Noyyal-Athupalayam dam in Karur District, Shoolagiri Chinnar, Krishnagiri, Pambar and Kelavarapalli dams in Krishnagiri District, Mettur, Anaimaduvu and Kariakoil dams in Salem District, Lower Anicut in Thanjavur District, Manjalar, Sothuparai, Shanmuganadhi and Vaigai dams in Theni District, Ponnaniyar and Uppar dams in Tiruchirapalli District, Adavinainarkoil, Vadakkupachayar, Kodumudiyar, Nambiar, Gadana, Karuppanadhi and Ramanadhi dams in Tirunelveli District, Thirumurthy, Amaravathy and Uppar (Tiruppur) dams in Tiruppur District, Poondi, Redhills and Cholavaram tanks in Tiruvallur District, Sathanur dam in Tiruvannamalai District, Mordhana dam in Vellore District, Gomuki, Vidur and Manimukthanadhi dams in Villupuram

District, Pilavakkal Periyar, Golwarpatti, Vembakottai, Pilavukkal Kovilar, Kullur Sandai and Anaikuttam dams in Virudhunagar District, Chembarambakkam Tank in Kancheepuram District, Peruvairipallam, Parambikulam and Thunakadavu dams in Palghat District (Kerala), at an estimated cost of Rs.342.10 crore.

Works in progress

Rehabilitation and Improvement works in Pechiparai Dam in Kalkulam Taluk of Kanniyakumari District at an estimated cost of Rs.61.30 crore is in progress.

Rehabilitation and Improvement works in Manimuthar dam in Ambasamuthram Taluk of Tirunelveli District at an estimated cost of Rs.17.97 crore is in progress.

6.2 Rehabilitation of Anicuts / Regulators

Works Completed

Rehabilitation and Modernisation of the Parthibanoor regulator across Vaigai River in Paramakudi Taluk of Ramanathapuram District has been completed at an estimated cost of Rs. 3.68 crore, benefiting an ayacut of 67853 acre.

Rehabilitation and improvements to 6 Anicuts and 10 Tanks in Sarabanga Nadhi sub basin in Salem District has been completed at an estimated cost of Rs.14.62 crore, benefiting an ayacut of 1614 acre.

Works in Progress

Rehabilitation of Mariamman Kovilpallam Anicut in Palayampudur village of Nallampalli Taluk in Dharmapuri District at an estimated cost of Rs.2.95 crore is in progress. 30% of the works have been completed.

Rehabilitation of Old Corroded Shuttering arrangements in Cauvery, Vennar and Kollidam arm and Sand Vent shutters of Kallanai in Thanjavur District at an estimated cost of Rs.8.53 crore is in progress. 98% of the works have been completed.

6.3. Rehabilitation of Tanks

Works Completed

Repair, Renovation and Restoration works under RRR scheme have been completed in 7 tanks viz., Kovilpallam, Sinthalpadipallam, Maravathipallam, Acharikinathupallam, Goduvaipallam, Pallipatty, Papparapatti Big Tank in Pennagaram Taluk of Dharmapuri District at an estimated cost of Rs.2.77 crore, benefiting an ayacut of 956.94 acre.

Repair, Renovation and Restoration works under RRR scheme have been completed in 8 tanks viz., Perunkalathur, Maligaipattu, Palli, Velliyanallur Veerammal Palaveri, Vinnamangalam, Periyakoil, Vadaelapakkam, Navalpakkam in Cheyyar Taluk of Thiruvannamalai District at an estimated cost of Rs.2.49 crore, benefiting an ayacut of 1207.26 acre.

Permanent restoration to damaged portions of Maniyankurichi Tank in Maniyankurichi Village of Mannachanallur Taluk in Trichy District has been completed at an estimated cost of Rs.0.70 crore, benefiting an ayacut of 141 acre.

Eco-Restoration works of Paruthipattu Lake in Avadi in Tiruvallur District have been completed at an estimated cost of Rs. 28.16 crore.

Repair, Renovation and Restoration works have been completed in 6 tanks viz., Melmonavur Big Tank, Thellur, Kammasamudram, Melnayakkanpalayam, Vanakkampadi and Mosur in Vellore, Anicut and Arcot Taluks of Vellore District at an estimated cost of Rs.2.65 crore, benefiting an ayacut of 1126.13 acre.

Repair, Renovation and Restoration works have been completed in 16 tanks viz., Pattamputhur, Sennalkudi, Palavanatham New Tank, Palavanatham Old Tank, Mannarkottai, Keppilingampatti, Kalaperumalpatti, Chatrareddiapatti, V.Kumaralingapuram, Mathiyasenai, Pullalakottai, Kalayarkurichi, Injar Sengulam, Melamadai,

Vadamalaikurichi and Golwarpatti in Virudhunagar, Aruppukottai, Kariapatty, Sattur and Sivakasi Taluks of Virudhunagar District at an estimated cost of Rs.10.11 crore, benefiting an ayacut of 3751.73 acre.

Works in progress

Eco Restoration and Protection of Peerkankaranai tank in Tambaram Taluk of Kancheepuram District at an estimated cost of Rs.9.81 crore is in progress. 30 % of the works have been completed.

Rehabilitation of Vandiyur Tank in Madurai North Taluk of Madurai District at an estimated cost of Rs.1.32 crore is in progress, to benefit an ayacut of 124.93 acre. 28% of the works have been completed.

Rehabilitation and Restoration of 9 Ex-Zamin Tanks in Paramakudi and Thiruvadana Taluks of Ramanathapuram District at an estimated cost of Rs.2.15 crore is in progress, to benefit an ayacut of 474.38 acre. 40% of the works have been completed.

Rehabilitation and improvements to 7 Nos. of Tanks and Construction of 7 Nos. of artificial recharge well structures in Sarabanganadhi sub basin of Omalur Taluk in Salem District at an estimated cost of Rs.9.65 crore is in progress, to benefit an ayacut of 1177.28 acre. 15% of the works have been completed.

Augmentation of Water Supply, Strengthening and Deepening, strengthening banks of Meerusamuthiram Tank in Allinagaram Village of Theni Taluk and District at an estimated cost of Rs.4.41 crore is in progress. 35% of the works have been completed.

Desilting the Bed of Vaduvur tank in Vaduvur Agraharam village of Needamangalam Taluk and providing Feeder channel to Citheri tank in Moovarkottai Village of Mannargudi Taluk in Thiruvavarur District at an estimated cost of Rs.3.42 crore is in progress, to benefit an ayacut of 1672 acre. 30% of the works have been completed.

Creation of additional water storage in four tanks viz. Cholavaram Tank, Porur Tank, Nemam Tank and Ayanambakkam tank and Restoration of additional storage space in Chembarambakkam Tank in Kancheepuram and Tiruvallur Districts at an estimated cost of Rs.130.00 crore is in progress. 95% of the works have been completed.

Repair, Renovation and Restoration works in 6 tanks viz., Ariyur Chitheri, Ariyur Big Tank, Nagaleri, Pallipattu, Adiyur and Palampakkam in Thirupathur, Vaniyambadi and Vellore Taluks of Vellore District at an estimated cost of Rs.2.64 crore are in progress.

Repair, Renovation and Restoration works in 6 tanks viz., Chettikurichi Big, Sethurajapuram, Thiruvirundalpuarm, Seeniyapuram, Thathaperumalkulam and Vadi in Arupukottai and Virudhunagar Taluks of Virudhunagar District at an estimated cost of Rs.2.77 crore are in progress.

6.4. Rehabilitation of Rivers / Canals / Supply Channels

Works Completed

Rehabilitation of Kalingarayan Channel from L.S. mile 9/7 to mile 12/5-361 in Erode Taluk of Erode District has been completed at an estimate cost of Rs.36.75 crore, benefiting an ayacut of 6373 acre.

Regradation of Goundanathi River from Sowdarpatti Anicut to Thirali Anicut in Thirumangalam Taluk of Madurai District has been completed at an estimated cost of Rs. 2.98 Crore, benefiting an ayacut of 1194 acre.

Improvement works on Manankondanar Drain from Ls 0.000km to 16.000km in Vedaranyam Taluk of Nagapattinam District has been completed at an estimated cost of Rs.2.94 crore, benefiting an ayacut of 10830 acre.

Rehabilitation of Mettur East Bank Canal from L.S. 45.303 km to 58.000 km in Kumarapalayam Taluk of Namakkal District has been completed at an estimated cost of Rs.25.00 crore, benefiting an ayacut of 7481 acre.

Rehabilitation of Mettur West Bank Canal from L.S. 7.283 km to 13.92 km in Mettur Taluk of Salem District has been completed at an estimated cost of Rs.25.00 crore, benefiting an ayacut of 14672 acre.

Strengthening the slipped portions at L.S. 10.685 Km, 17.425 Km, 17.521 Km, 18.650 Km and 19.220 Km of Kandaleru Poondi Canal in Uthukottai Taluk of Tiruvallur District has been completed at an estimated cost of Rs.2.67 crore.

Strengthening of the severely damaged portions from L.S. 0 Km to 14.175 Km (at L.S. 800 m, L.S. 1985 m, L.S. 2829 m, L.S. 4217 m, L.S. 13794 m and L.S. 13800 m) of the Krishna Water Supply Project Feeder Canal in Tiruvallur District has been completed at an estimated cost of Rs.1.44 crore.

Krishna Water Supply Project - Special Repairs to Kandaleru Poondi Canal from LS 0 km to 25 km and Feeder Canal from LS 0 m to 21400 m has been completed at an estimated cost of Rs. 0.83 Crore.

Krishna Water Supply Project - Renewal and Rehabilitation of damaged shuttering arrangements of Head Sluice, Outlet, Canal Regulator of Kandaleru-Poondi Canal and Scour Vent of Araniyar Anicut in Thiruvallur District has been completed at an estimated cost of Rs. 0.39 crore.

Rehabilitation and Reconstruction works in Koliyanur Channel in Villupuram Taluk of Villupuram District has been completed at an estimated cost of Rs. 8 Crore, benefiting an ayacut of 1349 acre.

Works in progress

Removal of prosopis juliflora in Vagai River from LS 38.00 km to 70.00 km (Chithanai Anicut to Kamarajar Bridge) in Madurai District at an estimated cost of Rs.3.3 crore is in progress.

Rehabilitation and improvement of Trash rack at LS 4000 feet of Leading Channel Pentagonal trash rack at Sarkarpathy Power Tunnel (SPT) and construction of boundary wall from LS 4000 feet to Sarkarpathy Power Tunnel (SPT) of Thunakadavu Dam of Thunakadavu in Chitthur Taluk of Palghat District at an estimated cost of Rs.2.48 crore is in progress. 85% of the works have been completed.

Rehabilitation of Mettur East Bank Canal from LS 14000m to 31400m in Edappadi and Sankari Taluks of Salem District at an estimated cost of Rs.48.86 crore is in progress, to benefit an ayacut of 9039 acre. 85% of the works have been completed.

Modernisation of Vadavar Extension channel from 0/0 -1/3465 (LS 0.00 km to 4.10 km) in Mannargudi Taluk of Thiruvarur District at an estimated cost of Rs.9.74 crore is in progress, to benefit an ayacut of 21170.6 acre. 30% of the works have been completed.

Lining the Tirunelveli Channel and improvements to sluices of the Tirunelveli Channel in Tirunelveli District at an estimated cost of Rs.15.00 crore is in progress, to benefit an ayacut of 2000 acre. 78% of the works have been completed.

Removal of Prosopis Juliflora (Seemai Karuvelam) in a stretch of 10.00 km from Vilagam to Naranammalpuram bridge in Thambiraparani River within Tirunelveli Corporation limit at an estimated cost of Rs.1.40 crore is in progress.

Rehabilitation of leftout reaches in Udumalpet Main Canal from LS 0.000 km To 16.600 km and its distributaries in Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.4.93 crore is in progress, to benefit an ayacut of 58318 acre. 48% of the works have been completed.

6.5. Rehabilitation of Check Dams

Works in progress

Rehabilitation and Improvement works of flood damaged portion of the Check Dam across Kosasthalaiyar River near Thirukandalam Village in Uthukottai Taluk of Thiruvallur District at an estimated cost of Rs.18.18 crore is in progress. 15% of the works have been completed.

6.6. Rehabilitation of Roads / Bridges

Works Completed

Reconstruction of Culvert across Periyakalanthai to Vadachittur road in Vadachittur branch Canal at LS 9.010 Km in Periyakalanthai Village of Kinathukadavu Taluk in Coimbatore District has been completed at an estimated cost of Rs. 0.27 Crore, benefiting an ayacut of 149 acre.

Reconstruction of Single Lane Bridge across the Buckingham Canal in Paramankeni Village of Cheyyur Taluk of Kancheepuram District has been completed at an estimated cost of Rs. 9.97 crore.

Reconstruction of Bridge across Grand Anicut Canal LS 4.150 km in Kiliyur village of Thiruverumbur Taluk in Thiruchirappalli District has been completed at an estimated cost of Rs.2.32 Crore.

Works in progress

Rehabilitation and Improvements of Sethumadai to Anaipadi Ghat road from 21/400 km to 34/400 km in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.5.30 crore is in progress. 98% of the works have been completed.

6.7. Rehabilitation of Buildings / Parks

Works Completed

Renovation and restoration of the approach road to the Butterfly park in Melur village of Srirangam taluk in Trichy District has been completed at an estimated cost of Rs.1.94 crore.

Works in progress

Renovation of Dormitory Block - II at Thekkady in Idukki District at an estimated cost of Rs.0.5 crore is in progress.

Providing Landscaping arrangements, sitting benches, Fountain pathway, Children Play equipments, Gazebo, Statue and other works in Andiyappanur odai Reservoir in Vellore District at an estimated cost of Rs.4.67 crore is in progress.

Tourism development works in Andiyappanur Odai Reservoir area in Vaniyambadi Taluk of Vellore District at an estimated cost of Rs.1.30 crore is in progress. 30% of the works have been completed.

7.0. Flood Protection Works

Works Completed

Improvements to increase the carrying capacity of Manavaikkal and Old Kollidam to avoid flood damages in Kattumannarkoil and Chidambaram Taluks in Cuddalore District was completed at an estimate cost of Rs.75.00 Crore.

Permanent flood protection works to Paasimuthan Odai, Thillaiamman Odai, Omakulam Drain, Khan Sahib Canal and Muthiahpillai Surplus in Chidambaram Taluk of Cuddalore District was completed at an estimated cost of Rs.25.00 crore.

Rehabilitation and Strengthening of Gadilam River from Visoor Village to Devanampattinam Village in Cuddalore District was completed at an estimated cost of Rs.22.50 crore.

Rehabilitation and Strengthening of Visoor odai and Periyakattupalayam odai in Panruti Taluk in Cuddalore District was completed at an estimated cost of Rs.14.60 crore.

Rehabilitation and Improvements to Velapakkam Channel in Panruti and Cuddalore Taluks in Cuddalore District was completed at an estimated cost of Rs.2.91 crore.

Rehabilitation and restoration of the flood damaged Adyar River and its tributaries by widening, desilting and standardization of the river regime in Kancheepuram District was completed at an estimated cost of Rs.19.00 crore.

Rehabilitation and restoration of the flood damaged Vegavathy River in the Kancheepuram town limit in Kancheepuram District was completed at an estimated cost of Rs.4.50 crore.

Long term flood mitigation works in the very high vulnerable areas in Chennai, Kancheepuram & Tiruvallur Districts in Araniyar, Kosasthalaiyar, Cooum, Adyar and Kovalam sub basins have been sanctioned at an estimated cost of Rs.100.10 crore . Out of 16 works sanctioned, the following three works at an estimated cost of Rs. 12.10 crore have been completed.

1. Conversion of the existing surplus weir into surplus regulator in Tiruninravoor tank in Cooum Sub Basin in Tiruvallur District at an estimated cost of Rs. 0.40 crore.
2. Construction of Cut & Cover Macro Drain along the Flood Vulnerable reach in the surplus course from Weir No. 2 of Adanur Tank from L.S. 0 m to L.S. 670 m in Sriperumbudur Taluk of Kancheepuram District in Adayar Sub Basin at an estimated cost of Rs.8.50 crore.
3. Providing Flood Regulators and additional flood discharge arrangements for Nandhivaram,Nanmangalam, Puthu Tambaram and Irumbulicheri tanks in Adayar Sub Basin and Narayanapuram, Perumbakkam,Thiruvancheri and Ottiyambakkam tanks in Kovalam Sub Basin at an estimated cost of Rs.3.20 crore.

Works in progress

Widening of Pappan Channel by providing Cut & Cover at head reach of 700 m in Adayar Sub Basin at an estimated cost of Rs.7.00 crore.

Formation of Single Vent Cut & Cover with provision for velocity accelerator and dewatering sump at head reach in Adayar Sub Basin at an estimated cost of Rs.20.00 crore.

Intra Basin Transfer channel with regulator from Orathur Tributary to Manimangalam in Adayar Sub Basin at an estimated cost of Rs.4.50 crore.

Formation of Connecting bund to form reservoir in between Arambakkam tank and Orathur Tank in Adayar Sub Basin at an estimated cost of Rs.1.50 crore.

Deepening and Capacity addition Manimangalam Tank including foreshore reclamation in Adayar Sub Basin at an estimated cost of Rs.2.00 crore.

Formation of cut and cover with single vent from the Chitlapakkam Tank to Sembakkam Tank including Desilting of Chitlapakkam Thangal in Kovalam Sub Basin at an estimated cost of Rs.12.00 crore.

Construction of Cut & Cover Macro Drain along the most flood vulnerable reach from Narayanapuram Tank to Pallikaranai Swamp in Sholinganallur Taluk of Kancheepuram District in Kovalam Sub Basin at an estimated cost of Rs.20.00 crore.

Providing link to the Urapakkam Tank with Thangal and Nandhivaram Surplus course including deepening for increasing storage capacity in Adayar Sub Basin at an estimated cost of Rs.2.00 crore.

Deepening and increasing storage capacity of Adhanur, Guduvancheri, Urapakkam tanks in Adayar Sub Basin and Nanmangalam tank in Kovalam Basin at an estimated cost of Rs.4.00 crore.

Construction of 12 Nos. of box culverts with M.S screw gear shutters across the newly formed flood banks of Kosasthalaiyar River in Kargil Nagar Area in Kosasthalaiyar Sub Basin at an estimated cost of Rs.2.00 crore.

Providing protective measures along red hills tank surplus course by construction of retaining wall for 1.00 km at 8 locations and forming a earthen channel for a missing link in Amullavoyal village in Kosasthalaiyar Sub Basin at an estimated cost of Rs.10.00 crore.

Formation of earthen foreshore bund with inlet box culverts and screw gear shutters across it and construction of masonry drain along its toe in the residential areas to collect storm water and dispose it to Cooum river through a deeper drain across the right flank end of Tiruninravoor tank in Cooum Sub Basin at an estimated cost of Rs.1.00 crore.

Widening and desilting the North Buckingham canal between Ennore creek and Araniar confluence point from LS 20.00 km to 31.20 km in Cooum Sub Basin at an estimated cost of Rs.2.00 crore.

8.0. Coastal Protection Works

Works Completed

Construction of Groynes at Keelavaippar in Vilathikulam Taluk of Thoothukudi District were constructed at an estimated cost of Rs.11.75 crore under State Fund.

Construction of Groynes at Mandaikaduputhoor in Kalkulam Taluk of Kanniyakumari District were constructed at an estimated cost of Rs.7.82 crore with NABARD Funding Assistance.

Construction of Groynes at Rehabilitation of RMS Wall in Eraviputhenthurai village of Vilavancode Taluk of Kanniyakumari District were constructed at an estimated cost of Rs.3.00 crore with NABARD Funding Assistance.

Works in progress

Coastal study from Vattakottai to Neerodi in Kanniyakumari District at an estimated cost of Rs.11.50 lakh is in progress.

Construction of series of 9 Numbers of Groynes from Ennore to Ernavoorkuppam (LS 19/000 km. - 15/200 km.) along Coastal area in Madhavaram Taluk of Thiruvallur District at an estimated cost of Rs.38.39 crore is in progress.

Construction of Groyne at Poothurai in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.14.69 crore is in progress.

Reformation of RMS Wall for protection of houses in front of community Hall & Church in Vallavilaithurai and Chinnathurai in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.2.90 crore is in progress.

9.0. World Bank Assisted Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP)

Rehabilitation of Flood Affected Tanks and Irrigation Channels:

Administrative sanction has been accorded for the rehabilitation of flood affected 59 tank Systems consisting of 57 tanks and 2 Main Irrigation Channels grouped into 16 packages in 4 Districts under funding of World Bank in TN IAMP, for Rs.43.63 crore. So, far, 6 packages have been completed. The district wise details are as below:

S. No	District	No. of Packages	Estimate Amount (Rs. in Lakhs)	No. of Works completed	Estimate Amount (Rs. in Lakhs)
1	Tiruvallur	3	474.20	3	474.20
2	Thiruvannamalai	1	90.82	1	90.82
3	Cuddalore	1	197.69	1	197.69
4	Kancheepuram	11	3600.53	1	318.60
	Total	16	4363.24	6	1081.31

Phase I Works:

Administrative sanction has been accorded for the rehabilitation of 1325 tanks, 107 anicuts and 45 artificial recharge wells in 18 sub basins grouped into 204 packages covering 22 Districts at an estimated cost of Rs.743.57 Crore, including 18 packages of Environment component at an estimated cost of Rs.1.86 crore. So far, 36 packages have been completed. The district wise details are as below:

Sl. No.	District	No. of Packages	Estimate Amount (Rs. in Lakhs)	No. of Works completed	Estimate Amount (Rs. in Lakhs)
1	Tiruvallur	3	363.00	-	-
2	Krishnagiri	7	2287.17	2	730.50
3	Dharmapuri	2	816.83	2	816.83
4	Cuddalore	14	7157.68	-	-
5	Villupuram	2	1006.03	1	460.00
6	Kancheepuram	31	8638.72	-	-
7	Trichy	9	3584.25	1	76.00
8	Pudukkottai	9	1372.04	-	-
9	Thanjavur	28	10850.37	-	-
10	Tiruvarur	7	3974.00	-	-
11	Nagapattinam	20	8620.79	-	-
12	Perambalur	1	385.53	-	-
13	Coimbatore	2	270.00	1	265.00
14	Erode	9	3807.00	7	3442.13
15	Madurai	13	4019.22	6	1950.31
16	Dindigul	7	1705.10	2	317.39
17	Virudhunagar	2	295.52	1	254.12
18	Sivagangai	2	136.85	1	136.05
19	Ramanathapuram	3	1916.76	3	1916.76
20	Theni	8	2135.34	3	671.19
21	Tirunelveli	16	7828.74	4	1953.96
22	Thoothukudi	9	3185.55	3	1178.77
	Total	204	74356.49	36	14169.01

10.0. Climate Change Adaptation Programme in Cauvery Delta with the assistance of Asian Development Bank (ADB)

The Climate Change Adaptation Programme in Cauvery Delta is under implementation at a cost of Rs.1,560 crore, out of which the loan assistance of Asian Development Bank (ADB) will be Rs.1,092 crore and the State Share will be Rs.468 crore. Construction of tail end regulators, re-construction / rehabilitation of all the tail end regulators and improvements to the drains for the required distance by widening and desilting in the upstream to bring them to standards are proposed.

The works in rivers / drains viz., Harichandranathi, Adappar, Vellaiyar, Pandavaiyar, Valavanar Drain, Vedharanyam Canal and Uppanar Drain, and 13 various pumping schemes in part of Lower Vennar system in Cauvery Delta have been sanctioned at an estimated cost of Rs.960.66 crore and are in various stages of implementation. The works for setting up of Project Management Unit, Project Implementing Units, Environmental and Coastal Regulation Zone (CRZ) clearance, Appointment of Consultant for Environmental Impact and Resettlement at an estimated amount of Rs.164.21 crore are also in progress.

11.0. Linking of Tambiraparani - Karumeniyar - Nambiyar Rivers in Tirunelveli and Thoothukudi Districts

This scheme is proposed for inter-linking of Tambiraparani, Karumeniyar and Nambiyar rivers by excavating a new flood Carrier Canal to utilize 2,765 Mcft. of surplus water.

By implementation of this scheme, 56,908.8 acre of lands will be benefited. An extent of 33,298.07 acre of ayacut in Tirunelveli District and 23,610.73 acre of ayacut in Thoothukudi District will be benefited.

Administrative Sanction was accorded at an estimated cost of Rs.369.00 crore in anticipation of funding assistance from Government of

India under AIBP. The revised length of flood Carrier Canal is 62.225 km in Tirunelveli District and 12.95 km in Thoothukudi District.

Revised Administrative Sanction for the Part of the scheme was accorded at an estimated cost of Rs.543.32 crore on 13.04.17 covering the works in Stage I & II and land Acquisition works in Stage I to IV.

In Stage I, out of 18 Packages, 12 Packages were completed and 6 Packages are in progress. In Stage II, out of 18 Packages, 12 Packages were completed and 6 Packages are in progress.

Further, Revised Administrative Sanction for the Stage III works was accorded at an estimated cost of Rs.216.37 crore on 28.08.2018. Honourable Chief Minister has laid foundation stone for Stage III works on 19.02.2019. Works are in progress.

For Stage IV, survey works are under progress.

The Government of Tamil Nadu has submitted the funding proposal under PMKSY – AIBP to the Government of India. Further, the Government requested the MoWR, RD&GR for granting extension of time up to 31.12.2020, for completion of the above project and also for getting Government of India assistance under PMKSY Scheme.

In this connection, the Government of India have called for certain additional details, report etc., and the same is under process. During the year 2018-19 an expenditure of Rs.498.82 crore was incurred.

12.0.Desilting of Dams and Water Bodies

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

Preparation of Detailed Project Report and Rapid Environment Impact Assessment Study for 4 reservoirs and 1 anicut was entrusted to M/s.WAPCOS Limited at a cost of Rs.8.35 crore. The Detailed Project

Reports for desilting of Vaigai Reservoir, Amaravathy Reservoir, Pechipparai, Mettur and Srivaikundam Anicut have been prepared.

Rapid Environmental Impact Assessment Study are under preparation for desilting of Vaigai, Pechipparai, Mettur and Amaravathy Reservoirs.

Detailed Estimate for Desilting of Vaigai Reservoir in Theni District at an amount of Rs.9.00 crore with the expected revenue generation of Rs.211.76 crore is under consideration.

Detailed Estimate for Desilting of Pechipparai Reservoir in Kanniyakumari District at an amount of Rs.5.12 crore with the expected revenue generation of Rs.95.60 crore is under consideration.

Detailed Estimate for Desilting of Mettur Reservoir in Salem District is under preparation.

Detailed Estimate for Desilting of Amaravathi Reservoir in Tiruppur District at an amount of Rs.7.30 crore with the expected revenue generation of Rs.172.81 crore is under consideration.

Restoration of Srivaikundam Anicut to its original capacity at an estimated cost of Rs.5.93 crore was taken up. Pending judgement, work has been temporarily stopped based on the directions of the National Green Tribunal.

12.2. Desilting of Parappalar Reservoir

It is proposed to restore the capacity of Parappalar reservoir by taking up desilting works. Government have accorded Administrative Sanction for an amount of Rs.66.96 lakh for catchment area treatment Plan and fixing of boundary stones in Parappalar reservoir Water spread area so to obtain Stage II Clearance .Stage II approval has been accorded by the Govt of India Ministry of Environment, Forests & Climate change (MoEF&CC). Now, Desilting Estimate at an amount of Rs.1.1925 crore with expected revenue generation of Rs.7.849 crore is under consideration.

12.3. 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.

12.4 Desilting of Chennai City drinking water supply tanks

Desilting of Chembarambakkam tank in Pallavarm Taluk of Kancheepuram District at an estimated cost of Rs.4.03 crore is in progress

Desilting of Cholavaram tank in Ponneri Taluk, Sathiyamoorthy Sagar Reservoir in Poondi village, Redhills tank in Madhavaram Taluk of Thiruvallur District at an estimated cost of Rs.5.43 crore, Rs.10.98 crore and Rs.9.90 crore respectively are in progress.

By desilting the above Chennai City drinking water supply tanks, storage capacity of 1.904 TMC feet will be restored.

12.5. Sedimentation Study of Dams / Reservoirs

During the year 2018-2019, Sedimentation study for the following 13 Dams / Reservoirs were completed at a cost of Rs.0.60 crore under DRIP :-

1. Upper Aliyar Dam (Coimbatore District)
2. Kelavarapalli Dam (Krishnagiri District)
3. Siddhamalli Dam (Ariyalur District)
4. Uppar Dam (Tiruchirappalli District)
5. Ponnaniyar Dam (Tiruchirappalli District)
6. Chittar II Dam (Kanniyakumari District)
7. Mordhana Dam (Vellore District)
8. Marudhanadhi Dam (Dindigul District)
9. Schoolagiri chinnar Dam (Krishnagiri District)

10. Avalanchi Dam (The Nilgiris District)
11. Emerald Dam (The Nilgiris District)
12. Mukurthy Dam (The Nilgiris District)
13. Thirumurthy (Tiruppur District)

13.0.Schemes under Investigation

Detailed investigation at an estimated cost of Rs.0.10 crore for the scheme of diversion of flood water from Maniyachipallam Odai to Varattupallam Reservoir in Andhiyur Taluk of Erode District is in progress.

Detailed investigation and levelling works at an estimated cost of Rs.0.10 crore for the formation of a new channel from Suruliyar to the areas which are already fed by a channel of Shanmuganadhi reservoir in Thottamanthurai of Uthamapalayam Taluk in Theni District is in progress.

Conducting surveying and levelling operations for Diversion of Surplus water from Krishna Tank to the Periya Tank in Devampadivalasu Village, Zamin Uthukuli in Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 0.96 crore is in progress.

Detailed investigation for Interlinking of Amaravathi River, Shanmuganadhi, Varadhamanadhi, Nallathangal odai and Nanganjar River in Dindigul District at an estimated cost of Rs.0.10 crore is in progress.

Conducting detailed investigation including sub soil investigation and for preparation of DPR for work of Formation of Reservoir across Koraiyar River in V.K. Puram Village of Ambasamudram Taluk in Tirunelveli District at an estimated amount of Rs.0.24 Crore is in progress.

Conducting surveying and Levelling Operation for detailed investigation on formation of reservoir across Pennaiyar River at the Confluence point of Chinnar river at Vannioddu near Sikalapalli Village in Hosur taluk of

Krishnagiri District at an estimated amount of Rs.0.10 Crore is in progress.

First Phase works of conducting detailed investigation and Land Acquisition for the scheme of Excavation of supply canal from LS 15.95 Km of Barur East Main Canal to feed to 33 tanks in Uthangarai and Pochampalli Taluks in Krishnagiri District at an estimated amount of Rs.14.00 Crore is in progress.

Land Acquisition and surveying and Levelling Operation for scheme of Diversion of surplus water from Ramanadhi Reservoir to Jambunadhi System in Tenkasi and Alangulam Taluks in Tirunelveli District at an estimated amount of Rs.42.00 Crore is in progress.

Land Acquisition in Krishnagiri and Dharmapuri Districts for diversion of flood water of Pennaiyar River by Excavation of New Canals from Right and Left sides of the Existing Ennekol Anicut in Krishnagiri District to the drought prone sub basin areas in Krishnagiri and Dharmapuri Districts at an estimated amount of Rs.72.00 Crore is in progress.

Land Acquisition in Dharmapuri District for Diversion of surplus water of Chinnar River by excavation of New supply Canal from LS 5.00 Km of the existing Jerthalav Canal to feed Errnahalli Tank, Pulikarai Tank and 12 other Tanks in Palacode Taluk of Dharmapuri District at an estimated amount of Rs.7.20 Crore is in progress.

Land Acquisition in Krishnagiri District for Diversion of surplus water of Thenpennaiyar River by excavation of New Canal from LS 8.80 Km of the existing Aliyalam Right main Canal to feed 12 feasible tanks in Sulagiri and Denkanikottai taluks of Krishnagiri District and Dulchetti Eri in Dharmapuri District at an estimated amount of Rs.15.54 Crore is in progress.

Conducting surveying and Levelling Operation for detailed investigation on formation of New tank across Ponni odai near Chokkanur Agraharam

village in Gangavelli taluk of Salem District at an estimated amount of Rs.0.10 Crore is in progress.

Preparation of Environmental Impact Assessment Report by engaging a consultant for the diversion of flood water of 3.5 TMC from Pennaiyar river to Palar river during the months of October to December to stabilise 23,465 acres of existing command area through open wells and bore wells in Vaniyampadi Taluk of Vellore District at an estimated cost of Rs.0.67 crore is in progress.

14.0. Irrigation Management Training Institute (IMTI)

Irrigation Management Training Institute, Trichy is a premier State Training Institute, formed as per Tamil Nadu society Act 1975 and functioning from 1984 under the Water Resources Department (WRD) of the Government of Tamil Nadu.

During the last financial year (2018-2019), the training courses on Basic GIS, Advanced GIS, SWAT, AutoCAD, Irrigation Water Management, Agro meteorology, Weather Forecasting, Water Resources Management & River Basin Planning, DPR Preparation, Aqua Crop, Total Station, Climate Change and Mitigation in WRD, Environment, Workshop on Bench Marking, Dam Safety and Dam Instrumentation, Flood and Drought Management, Reservoir Operation, Data Migration from SWDES to SWIS Software, Legal Issues and RTI Act, 2005, Volumetric Supply of Irrigation Water and Simple Flow Measurement, Departmental Procedures & Acts Related to Water Resources, Water Saving Techniques, Disciplinary Procedures, Project Mgt. using M.S.Project Software etc. were organized by Irrigation Management Training Institute. Induction Training to the newly recruited Assistant Engineers of WRD (2016) Phase I was also conducted.

Study tour program on Polavaram, Godavari-Krishna Link project and Study tour program on Gujarat were organized. Two nos. of Workshop on convergence for effective service delivery under TNIAMP were also conducted.

Creating awareness on improved Farming Practices to Farmers was conducted under Asian Development Bank funding and trainings on Water Harvesting and Water Management. One day exposure visits through Agricultural Technology Management Agency (ATMA) were carried out. The training programmes on "Capacity Building" to field staff of WRD were also organized in the renovated Action Research Programme (ARP) Unit, Thiruvarur. During the last Financial Year 2018-19, 88 training programmes were conducted and 1340 officers, 1422 Farmers and 644 Students were benefitted.

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

Micro level Groundwater Potential Assessment taking Revenue Firka as a unit has been approved by the Government on 01.10.2018. Accordingly, 1,139 Firkas in Tamil Nadu are categorised into 5 categories viz. 358 Firkas as Over Exploited,105 Firkas as Critical, 212 Firkas as Semi Critical, 35 Firkas as Saline and 429 Firkas as Safe.

Water level is regularly monitored on monthly basis and water samples are collected bi-annually from 284 observation wells and analyzed in the Geo-Chemical laboratories to assess sea water, fresh water interface along the coast of Tamil Nadu.

The Geological, Geophysical and Hydro geological surveys are conducted every month. The data are analyzed and documented for identification of Aquifer boundaries. In order to get more realistic and accurate

groundwater level data, 386 sites were selected for the installation of Digital Water Level Recorder (DWLR) in the State.

Under National Hydrology Project, various Domain Trainings have been conducted to enhance the capacity of the Engineers and Geoscientists. Procurement of Video Conferencing System at Chennai, Madurai & Thanjavur has been completed.

Further, procurement of 3 Water Quality laboratory equipments at Chennai, Thanjavur and Madurai and Supply & Installation of Ground Water Real Time Data Acquisition System are being taken up at an estimated cost of Rs.6.39 crore.

16.0. Institute for Water Studies, Hydrology and Quality Control (IWSH&QC)

The Micro Level Reappraisal study for Pambar Kotakkaraiyar River Basin has been taken up during 2018-19 and is in progress. For this study, the satellite imageries and aerial photos were interpreted and the river basin morphological features were evaluated. Compilation of details for the already developed Geo Database on WRD tanks in co-ordination with Field officers of WRD was completed and communicated to concerned field officers. Coordinated with the "Tamil Nadu GIS" an Information Technology Department initiative, the works connected with GIS were continued along with the line Department. The task of data collection on irrigation structures such as Anicuts, Check dams, Barrages and Dykes for assigning unique code and creation of Geo data base was continued. The preparation of thematic maps such as Soil, Geology, Geomorphology, Drainage, Land use, Administrative boundary for the 66 sub basins taken up under TNIAMP was initiated. Suitable locations have been selected and sent to the Chairman, WRD Cell for harvesting excess water during monsoon period in Cauvery basin, Chennai basin, Paravanar and Varahanadhi basins.

17.0. Sand Quarry

In G.O. Ms. No.451, Public Works Department, dated 03.10.2003, the Government have accorded permission 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.

The Government in G.O. (Ms) No.325 Public Works (I.Spl.2) Department, dated 21.12.2013 have fixed the sand sale rate as Rs.800/- per 1 load/ 2 unit excluding tax and loading charges. The Government in G.O(Ms).No.135 Public Works (I.Spl.2) department dated 13.06.2017 have permitted to collect the cost of loading charges at river and sand depot, transportation charges from river to depot, rent and maintenance charges of sand depot in addition to sand sale cost for sand sale in sand depots.

In Tamil Nadu, to meet out the requirement of sand for construction purposes to the users, a website, "www.tnsand.in" and a mobile application "tnsand" have been launched. At present, booking of sand and the payment for the sale of sand is enabled through the above website.

The sand quarrying operations are carried out by the Mining and Monitoring Divisions functioning with its Headquarters at Chennai, Villupuram, Trichy, Thanjavur and Madurai.

The CCTVs installed at the quarries and depots are monitored in the Control Room established at Chennai in the Project Directorate. A robust Customer Care system is also in operation in the Control Room to redress the grievances of the public.

The revenue generated through the sand quarries during 2018-2019 is Rs.27.35 crore.

Imported sand

In G.O.(Ms.) No.242 / PW (I.Spl.2) Department, Dated 08.12.2017, Government have ordered that the sale of ordinary sand imported from other countries or brought from other States / Union Territories for construction purposes, shall be done only by the Public Works Department of the State Government. Necessary amendment has been made by industries department in Tamil Nadu Minor Minerals Concession Rules, 1959 by including a new Rule, 'Rule 38 D' to deal with 'Import of sand for construction purposes'.

The Government in G.O (Ms) No.55 PW (I.Spl.2) Department, dated 27.02.2018, have accorded permission to import approximately 5.00 lakh Metric Tons of Natural River Sand for construction purposes per month for a period of 2 years through 3 ports in Tamil Nadu viz., Kamarajar Port limited, Ennore, Adani Kattupalli Port, Ennore and V.O.Chidambaranar Port, Tuticorin by floating National Competitive Bid.

The Public Works Department is selling the imported natural river sand to the consumers from October 2018 through online booking from the Ports.

18.0. Directorate of Boilers

The Directorate of Boilers is enforcing the various sections of the Boilers Act, 1923 in all the Boiler user industries in Tamil Nadu, for the safety of Public Life and Property.

Based on the above, the Directorate of Boilers for the year 2018-19, has approved 2710 Design Documents for the manufacture of various types of boiler and components under IBR, 1950.

In that, 430 boilers have been manufactured and the databooklets as per IBR have been approved.

It has cleared 3,56,250 High Pressure valves, 31,050 High pressure piping components and 3,150 tubular components manufactured by the various industries have been inspected and certified as per IBR, 1950.

It has also conducted test to the welders during the year 2018-19, for qualifying the welder in Carbon Steel and Alloy Steel plate, pipe and tube welding and have certified 402 welders as per IBR, 1950.

Further, during last year TNDob has cleared 552 new boilers along with connected pipelines for registration at various industries in Tamil Nadu as per the Boilers Act, 1923. In addition to this, it has been carried out Annual Inspection and certified 5275 boilers out of the total strength of 5412 boilers for usage by the various industries.

During the year 2018-19 about 26 boilers were placed under repair during inspection and the same has been inspected and certified after the repairs have been carried out.

It is realizing considerable revenue to the Public Exchequer by the way of collecting inspection fees for approval of Design drawings for boiler and boiler components, manufacturing Inspection fees for Boilers and Boiler Components, conducting Annual Inspection of installed boilers, conducting the tests for welders and for conducting examination for Boiler Operation Engineers and Boiler Attendants. During the year 2018-2019 the Directorate of Boilers has earned the revenue of Rs.6.24 crores.

19.0. INTER-STATE ISSUES

19.1. Cauvery Water Dispute

The Cauvery Water Disputes Tribunal after detailed hearing delivered its Final Order on 5.2.2007. Due to untiring continuous legal battle made by Government of Tamil Nadu and with the intervention of Supreme Court, the Government of India Notified the Final Order of the Tribunal on 19.2.2013 in its Gazette. After hearing the Civil Appeals against the Final Order of the Tribunal, the Hon'ble Supreme Court delivered judgment on 16.2.2018. Since the Government of India did not frame a Scheme to implement the Final Order of the Tribunal and judgment of

the Supreme Court within a period of six weeks time, the Government of Tamil Nadu filed a Contempt Petition before the Supreme Court. Thereafter, the Government of India submitted a draft Scheme and the Court accepted it. On 1.6.2018 the Government of India notified the constitution of Cauvery Water Management Authority and Cauvery Water Regulation Committee and the officers have been appointed to the above machinery based on the nominations made by the Government of India and party States. So far, 4 meetings of the Cauvery Water Management Authority and 10 meetings of the Cauvery Water Regulation Committee were held and in those meetings the stand of Tamil Nadu have been continuously emphasised.

19.2. Mullai Periyar Dam - Balance Strengthening works to be carried out to restore the water level to + 152 ft.

Due to the efforts taken by the Government of Tamil Nadu in the Mullai Periyar Dam issue, the Supreme Court in its judgment dated 27.2.2006, permitted Tamil Nadu to raise the water level in Mullai Periyar Dam upto 142 ft. initially and after the remaining strengthening works are completed and examined by the independent experts, the water level can be restored to 152 ft., the FRL of the Dam. When the Government of Kerala created a situation to thwart the judgment of the Supreme Court, the Government of Tamil Nadu again approached the Supreme Court and the Court has affirmed its earlier judgment dated 27.2.2006 among others. As per the judgement, the water in the Dam reached the permitted level of 142 ft. on three occasions i.e., 21.11.2014, 7.12.2015 and 15.8.2018.

Based on the above judgment, to restore the water level of the Mullai Periyar Dam to 152 ft., the Government of Tamil Nadu sanctioned an amount of Rs.7.85 Crore to execute the remaining strengthening works in the main Dam and Baby Dam. To complete the strengthening works in Baby Dam, the Government of Tamil Nadu is taking efforts to get the clearances of Environment and Wild Life Departments of Government of India.

Edappadi K. Palaniswami
Chief Minister