

# **WATER RESOURCES DEPARTMENT**

## **1.0. General**

Water is the elixir of life. It is needed for all living beings - human, flora and fauna to survive. It is also important for health and wealth and is increasingly becoming one of the limiting resources for sustained economic development. The State is endowed with 3 percent of water resources of the country. The State average annual rainfall is 960.00mm. It also varies among sub-regions, making available water and its distribution naturally unequal.

The main objective of the Water Resources Department is to conserve surface water, recharge ground water so as to provide equity irrigation upto tail end area and to meet out the various demands. For achieving this, new irrigation structures such as reservoirs, anicuts, barrages, tail end regulators, check dams etc., are being constructed, new channels / canals are being formed, existing irrigation systems such as tanks, supply channels etc., are being rehabilitated, restored and improved under various Schemes. In addition, interlinking of rivers within the State and flood mitigation works are also under implementation.

By all the efforts, the critical challenge of ensuring adequate water supply to meet the growing demands is being achieved.

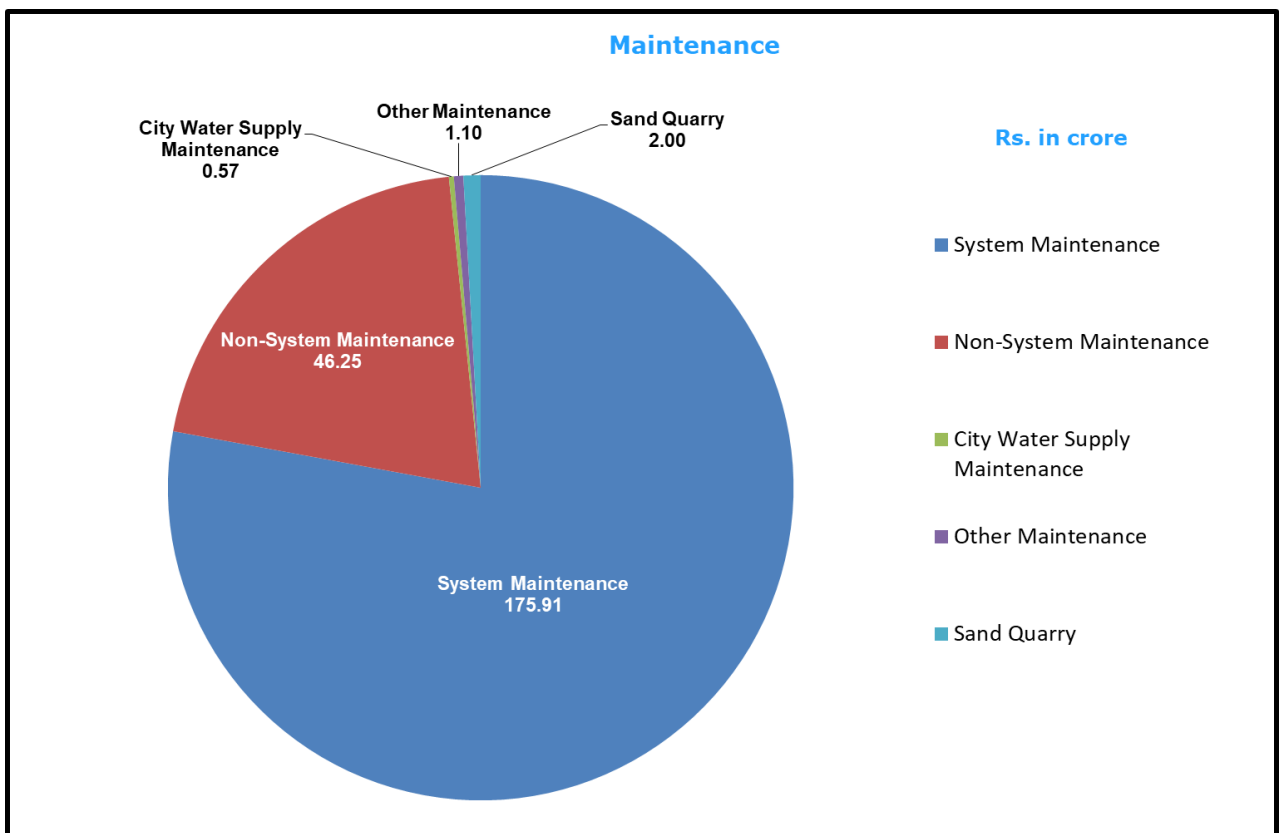
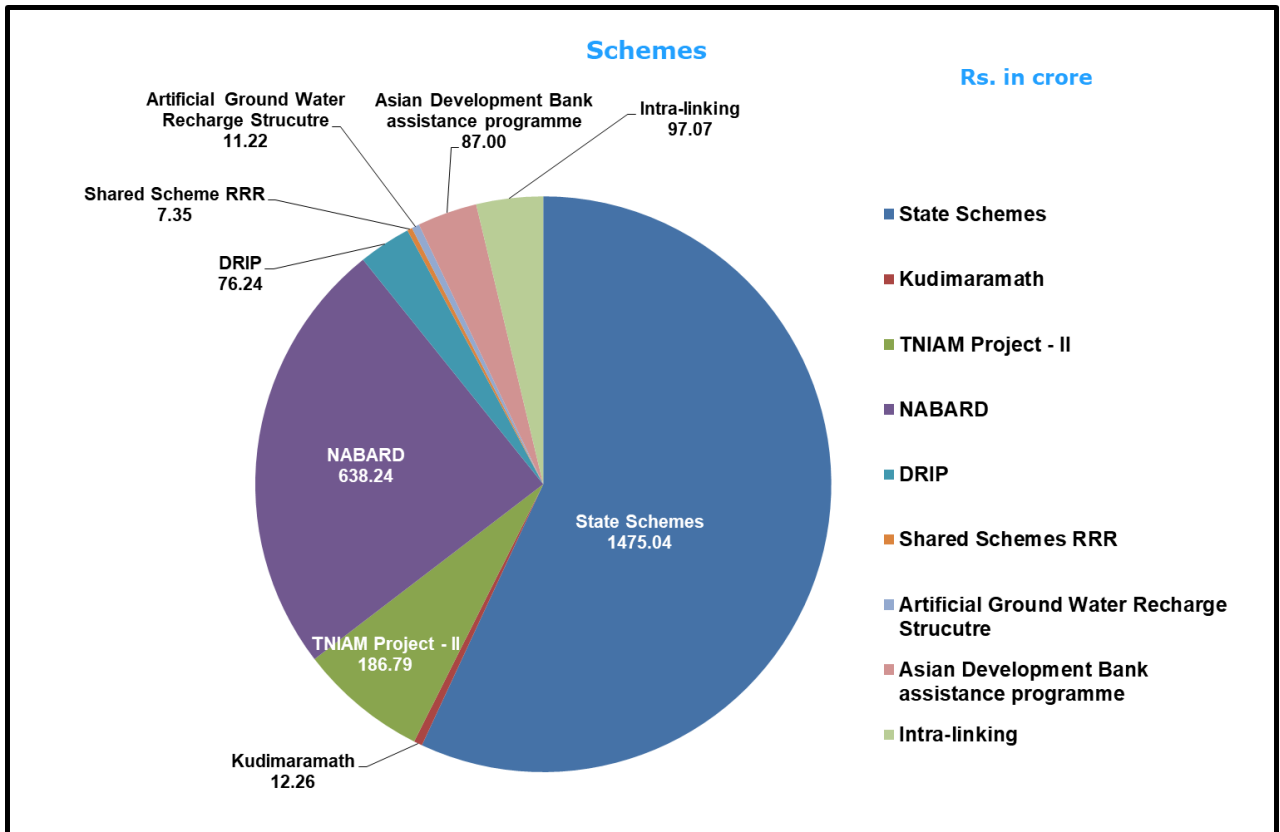
## **2.0. Performance during the year 2021-2022**

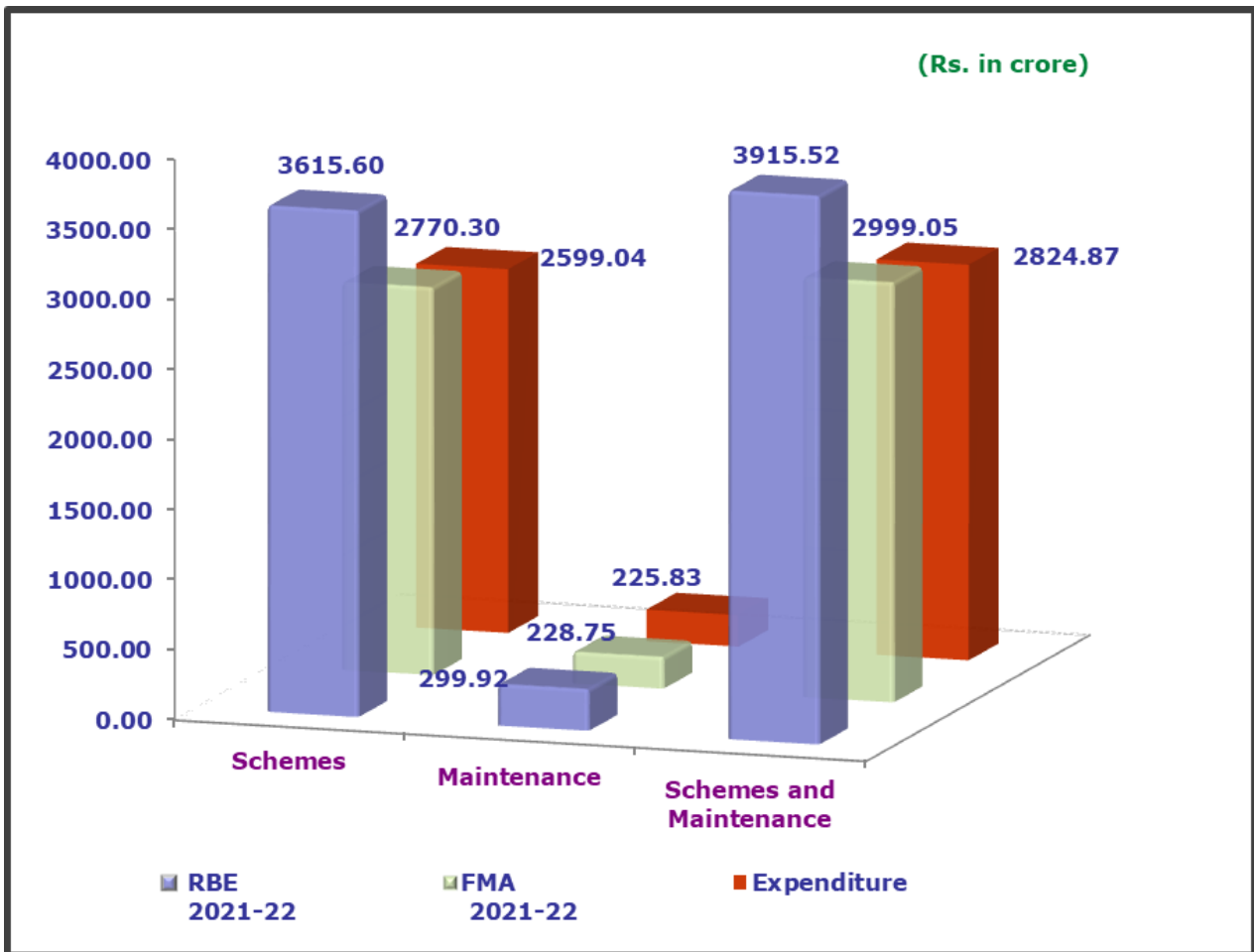
The financial achievement, details of various schemes completed / in progress and other activities taken up during 2021-22 are as under:

(Rs.in crore)

Description	B.E. 2021-22	FMA 2021-22	Expenditure
<b>I Schemes</b>			
State Funded Schemes	1789.85	1528.73	1475.04
Kudimaramath Scheme	33.11	13.81	12.26
TNIAM Project-II	517.29	216.87	186.79
NABARD Funded Schemes	810.29	686.19	638.24
Dam Rehabilitation and Improvement Project (DRIP)	199.97	76.94	76.24
State Project Management Unit -SPMU (Salary)	4.28	3.81	3.55
Repair, Renovation & Restoration	8.50	12.61	7.35
Artificial Ground Water Recharge Structure	25.20	11.22	11.22
Asian Development Bank assistance Programme	94.13	87.73	87.00
Inter linking of Rivers within the State	126.67	127.52	97.07
<b>Sub Total (schemes)</b>	<b>3609.29</b>	<b>2765.43</b>	<b>2594.75</b>
Multi-Disciplinary Project Unit (Establishment)	6.31	4.87	4.28
<b>Total (Schemes and Establishment)</b>	<b>3615.60</b>	<b>2770.30</b>	<b>2599.04</b>
<b>II Maintenance</b>			
Irrigation System Maintenance	162.15	178.65	175.91
Irrigation Non-System Maintenance	46.41	46.41	46.25
City Water Supply Maintenance	0.58	0.58	0.57
Other Maintenance	1.12	1.12	1.10
Sand Quarry	89.66	2.00	2.00
<b>Sub Total (Maintenance)</b>	<b>299.92</b>	<b>228.75</b>	<b>225.83</b>
<b>GRAND TOTAL</b>	<b>3915.52</b>	<b>2999.05</b>	<b>2824.86</b>

## EXPENDITURE INCURRED UNDER DEMAND No. 40





### 3.0. Important Ongoing schemes

#### 3.1. Interlinking of Tambiraparani - Karumeniyar - Nambiyar Rivers Scheme in Tirunelveli and Thoothukudi Districts

During the year 2008, Administrative Sanction was accorded at an estimated cost of Rs.369.00 crore in anticipation of funding assistance from Government of India under Accelerated Irrigation Benefits Programme (AIBP) for Interlinking of Tambiraparani, Karumeniyar and Nambiyar rivers by excavating a new flood carrier canal to utilize 2,765 Mc.ft. of surplus water. By implementation of this scheme, 56931.84 acres of land will be benefited in Tirunelveli and Thoothukudi Districts.

Second Revised Administrative Sanction (Part I) (Stage I & II works and Stage I, II, III & IV land Acquisition of the Project) was accorded

for Rs.556.86 crore on 23.05.2020. The Revised Administrative Sanction (Part II) for Stage III works of the project was accorded for Rs.216.37 crore on 28.08.2018. The Revised Administrative Sanction (Part III) for Stage IV works of the project was accorded for Rs.160.00 crore on 23.05.2020. The Total Revised Administrative Sanction accorded works out to Rs.933.23 crore.

In Stage I, all the works under 18 Packages were completed. In Stage II, out of 18 Packages, works in 16 Packages were completed and in remaining 2 Packages, works are in progress. In Stage III, out of 18 Packages, works in 12 Packages were completed and in remaining 6 Packages works are in progress. In Stage IV, out of 16 Packages, works in 3 Packages were completed and in remaining 13 Packages, works are in progress.

The Funding proposal for the financial year 2021-2022 has been submitted to the Ministry of Jal Shakthi, Union Government for getting Funding Assistance. As per the revised guidelines of the Ministry of Jal Shakthi, Union Government, the inclusion proposal of the project under PMKSY-AIBP has been sent to Central Water Commission, New Delhi by the Director, Central Water Commission, Chennai. Based on the efforts taken by this Government, Union Government has sanctioned an amount of Rs.44.22 Crore and released a sum of Rs.9.0425 Crore as a 1st installment on 31.03.2022 under PMKSY-AIBP for this project.

### **3.2. Cauvery - Agniyar - South Vellar – Manimuthar – Vaigai - Gundar link canal scheme**

In this scheme, it is proposed to form a new canal taking off from Kattalai barrage to connect the Agniyar, South Vellar, Manimuthar,

Vaigai and Gundar Rivers in 3 phases for a total length of 262.19 Km viz., Phase I - Cauvery (Kattalai Barrage) to South Vellar (LS 0 Km – LS 118.45 Km) Phase II- South Vellar to Vaigai (LS 118.45 Km – 228.145 km) and Phase III -Vaigai to Gundar (LS 228.145 Km – 262.19 Km)

Phase I - The Government of Tamil Nadu have accorded “In-principle” approval for an amount Rs. 6941.00 crore for the formation of a new canal from Cauvery (Kattalai) to South Vellar (LS 0 Km - 118.45 Km) as the 1<sup>st</sup> phase of this scheme. It is proposed to implement this scheme under NIDA funding assistance. The Government of Tamil Nadu have also accorded Administrative Sanction to form flood carrier for a length of 4.10Km in Karur District for an amount of Rs. 171.00 crore and 5.355 Km length in Trichy and Pudukottai Districts for an amount of Rs. 160.00 crore.

Phase II & Phase III - Presently, the estimate has been prepared for Phase II (LS 118.45 Km – 228.145 Km) and Phase III (LS 228.145 Km – 262.19 Km) of this scheme.

By implementing this scheme, the total command area of 52332.63 ha, including 45810.84 ha for stabilization and 6521.79 ha of gap, lying in between Cauvery and Gundar basin would get benefited.

For this Scheme, for Phase I, totally 1200.77.87 Ha of patta land & 138.63.15 Ha of Poramboke land are required.

### **3.3. Construction of New Regulator across Southern and Northern arms of Upper Anicut of Kollidam River in Tiruchirapalli District**

Construction of a new regulator across Southern and Northern arms of the Kollidam River on the downstream side of the existing regulator at Mukkombu (Upper Anicut) in Tiruchirappalli District at an estimated cost of Rs.387.60 crore under NABARD assistance to benefit an ayacut of 12,58,460 acres in lieu of damaged Mukkombu regulator is under implementation. This scheme envisages construction of new regulator, single Lane Bridge over regulator, guide walls, standardization of flood banks and allied works. 92% work completed. Remaining works are in progress.

### **3.4. Construction of a Barrage with head sluices across the Kollidam River at Adhanur, Kumaramangalam Villages in Cuddalore and Nagappattinam Districts**

Construction of Barrage with head sluice across the River Kollidam, between Adhanur and Kumaramangalam villages of Cuddalore and Nagappattinam Districts for an amount of Rs.494.60 crore to store 1.072 TMC ft. in 4 fillings to benefit an ayacut of 31,221 acres in tail end area is in progress. So far, 85% work is completed.

### **3.5. Construction of Barrage across Cauvery River in Nanjai Pugalur**

The Government have accorded sanction for an estimated cost of Rs. 406.50 crore for the deposit work of Construction of a Barrage across the River Cauvery in Nanjai Pugalur Village in Pugalur Taluk in Karur District under NABARD Infrastructure Development Assistance

(NIDA). By implementing this scheme, 800 Mcft of water will be stored and an ayacut of 4041 acres will be benefited in Karur & Namakkal Districts and to cater the need of the water requirement of Tamil Nadu Newsprint and Papers Limited. So far, 22 % works completed, remaining works are in progress.

### **3.6. Extension, Renovation and Modernization of irrigation infrastructures in Cauvery Basin (ERM)**

State is implementing Extension, Renovation and Modernization of irrigation infrastructures in Cauvery Basin Project for efficient irrigation management at an estimated cost of Rs.7705.75 crore to benefit an ayacut area of 883426 acre to meet modern day concepts on safety and present day demand of water for irrigation, water supply and other diverse uses, as detailed below:-.

- Kattalai High Level Canal irrigation system at a cost of Rs.335.50 crore.
- Rajavoikkal Irrigation System at a cost of Rs.184.00 crore.
- Noyyal River System at a cost of Rs.230.00 crore.
- Lower Bhavani Project at a cost of Rs.933.10 crore.
- Cauvery Sub Basin at a cost of Rs.3384.00 crore.
- Grand Anicut Canal system at a cost of Rs.2639.15 crore.

#### **Works completed**

Extension, Renovation and Modernisation of Noyyal river Irrigation system from LS 72 KM to 158.35 Km has been completed at an estimated cost of Rs.55.04 crore during 2020-2021.



Extension, Renovation and Modernisation of Noyyal river Irrigation system from LS 34 KM to 72 Km has been completed at an estimated cost of Rs.86.33 crore.

Extension, Renovation and Modernisation of Kumarapalayam Vaikkal and Mohanur Vaikkal in Raja Vaikkal Irrigation System in Cauvery Basin in Paramathivelur and Mohanur Taluk of Namakkal District has been completed at an estimated cost of Rs.92.00 crore.

### **Works in progress**

Extension, Renovation and Modernisation of Noyyal river Irrigation system from LS 0 km to 34 km at an estimated cost of Rs.88.63 crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main canal Irrigation system from Mile 0-0-373 to 18-1-375 in Erode District at an estimated cost of Rs.194.15 crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main canal Irrigation system from Mile 18-1-375 to 39-0-000 in Erode District at an estimated cost of Rs.127.65 crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main canal Irrigation system from Mile 39-0-000 to 63-0-560 in Erode District at an estimated cost of Rs.198.25 crore is in progress.

Extension, Renovation and Modernisation of Lower Bhavani Project Main canal Irrigation system from Mile 63-0-560 to 124-2-560 in Erode Tiruppur and Karur Districts at an estimated cost of Rs.189.55 crore is in progress.

Extension, Renovation and Modernisation of Kalingarayan Channel Irrigation system from Mile 15-4.5-195 to 56-5.5-328 in Erode District at an estimated cost of Rs.76.80 crore (LBP package) is in progress.

Extension, Renovation and Modernisation of Thadappalli Channel and Arakkankottai Canal Irrigation system in Kodiveri Anicut system in Erode District at an estimated cost of Rs.146.70 crore (LBP package) is in progress.

Extension, Renovation and Modernisation of Kattalai High Level Canal Irrigation System in Cauvery Basin at an estimated cost of Rs.335.50 crore is in progress.

Extension, Renovation and Modernisation of Raja Vaikkal and Poiyeri Vaikkal in Raja Vaikkal Irrigation System in Cauvery Basin in Paramathivelur and Mohanur Taluk of Namakkal District at an estimated cost of Rs.92.00 crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A. Main Canal L.S. from 0.000 Km. to 12.624 Km. and G.A.No.1A Channel, G.A.No.1 Rear Channel, G.A.No.1B Rear Channel with Feeding Tanks in Budalur Taluk of Thanjavur District at an estimated cost of Rs.173.00 crore is in progress.

Rehabilitation of Irrigation Infrastructures in G.A. Main Canal L.S. from 12.640 Km. to 30.430 Km, G.A.No.2 Rear Channel, G.A.No.3 Channel and Chakkara Branch Channels with Feeding Tanks in Budalur and Thanjavur Taluks of Thanjavur District at an estimated cost of Rs.192.00 crore is in progress.

Rehabilitation of Irrigation Infrastructures in G.A. Main Canal L.S. from 30.430 Km. to 45.290 Km. and G.A. No.4 Channel, G.A. No.5 Channel, G.A. No.5A Rear channel and Neivasal TBranch Channels with Feeding Tanks in Papanasam and Orathanadu Taluks of Thanjavur District at an estimated cost of Rs.169.00 crore is in progress.

Rehabilitation of Irrigation Infrastructure in G.A.Main Canal L.S. from 45.290 Km. to 58.650 Km, V.T.Channel, G.A.No.6 Channel, G.A.No. 7 Channel, G.A.No. 8 Channel, G.A No.8 Rear Channel, and Kalyanaodai Branch Canal L.S. from 0.000 Km. to 13.000 Km, Kulamangalam main Channel, Paruthikkottai Channel, Melavannipattu Channel with Feeding Tanks in Thanjavur, Papanasan, Orathanadu Taluks of Thanjavur District at an estimated cost of Rs.265.00 crore is in progress.

Rehabilitation of Irrigation Infrastructures in G.A. Main Canal from L.S. 58.650 km to 92.200 km Akkaravattam Main channel, Alivalam Channel, Naduvikottai Channel, G.A. No. 13 Channel and G.A. No. 14 Channel with Feeding Tanks in Orathanadu and Pattukkottai Taluks of Thanjavur District and Karambagudi Taluk of Pudukottai District at an estimated cost of Rs.237.70 crore is in progress.

Extension, Renovation and Modernization of Irrigation Infrastructure in Cauvery River from mile 17/2 to 26/6 of Cauvery sub basin in Budalur Taluk of Thanjavur District District at an estimated cost of Rs.122.60 crore is in progress.

Extension, Renovation and Modernization of Irrigation Infrastructure in Cauvery River from mile 26/6 to 37/1 of Cauvery sub basin in Budalur

Taluk of Thiruvaiyaru Taluks of Thanjavur District at an estimated cost of Rs.102.20 crore is in progress.

### **3.7. Mettur Sarabanga Lift Irrigation**

Diversion of flood surplus water from Mettur Dam to dry tanks in Sarabanga Basin in Salem District by Lift Irrigation at an estimated cost of Rs.565 crore is under implementation. By implementing this scheme, an ayacut of 4238 acres will be benefitted.

During 2021-2022, when the Mettur Dam surplus above 120 feet, the pumping operation in Thippampatty pumping station for Thippampatty-Kalipatty group tanks commenced on 16.11.2021 and was stopped on 25.12.2021. The total quantity of 79.70 Mcft of surplus water from Mettur dam has been pumped to fill 8 tanks. In Mettur Taluk 3 Nos. of tanks viz Kalipatty tank, Rayappan tank, Chinna eri and 4 Nos of tanks in Omalur taluk viz, Manathal tank, T.Maramangalam tank, Periyeripatty tank, Periyakadampatty tank got filled up 100%. Tharamangalam tank in Omalur Taluk got filled up 50%, 648 acres benefited. At present, 83% of work completed, remaining works are in progress.

### **3.8. Athikadavu - Avinashi pumping scheme**

The Government have accorded Administrative Sanction on 28.03.2018 for Implementation of Athikadavu Avinashi scheme as Irrigation, Groundwater recharge and drinking water supply scheme at an estimated cost of Rs.1652 crore under State fund in a DBOT basis. Subsequently, Revised Administrative Sanction has been accorded on 08.04.2021 for an amount of Rs.1756.88 crore. This Scheme involves pumping of 1.5 TMCft of surplus water of Bhavani River from the downstream of Kalingarayan anicut to benefit

32 PWD tanks, 42 Union tanks and 971 Ponds in Coimbatore, Tiruppur and Erode Districts. By implementing this scheme 24,468 acres of land will be benefited. The project work started on 25.12.2019. 94% work completed. Civil works are nearing completion in weir and 6 Pump Houses, laying of MS & HDPE Pipes are in progress and Electrical works, Transformers, HT/LT Panels, VT Pumps & Motors, EOT Cranes, Trash rack & Stop log gates are erected in all Pump houses.

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

As a first stage of project, works in 6 rivers / drains viz. Harichandranathi, Adappar, Vellaiyar, Pandavaiyar, Valavanar Drain, Vedharanyam Canal and Uppanar Drain and 13 pumping schemes in part of Vennar system in Cauvery Delta are in progress at revised estimate cost of Rs.1110.17 crore.

Out of 7 packages, 4 packages namely Pandavaiyar, Valavanar Drain, Vedharanyam Canal and Uppanar Drain, and 13 pumping schemes were fully completed and the balance 3 packages namely Harichandranathi, Adappar and Vellaiyar are planned to complete before 30.06.2022.

Based on the approval of the Government on 13.09.2021, Preliminary Project Report for works in 6 Rivers viz., Vennar, Baminiyar, Koraiyar, Kaduvaiyar, Marakkakoraiyar, Manankondanar and 6 pumping schemes for an amount of Rs.1,825 crore (US \$ 250 Million) was submitted to the Department of Economic Affairs, on 22.09.2021 by online mode for implementing follow on Project as Phase 2. Reply submitted for the Comments / Observations of the Department of

Economic Affairs on 10.01.2022 and 17.02.2022. Approval of the Project is anticipated from the Department of Economic Affairs, Union Government of India.

## **5.0. World Bank Assisted Tamil Nadu Irrigated Agriculture Modernization Project (TNIAMP)**

In this project, Rehabilitation Works was planned for implementation in four phases. Also, Administrative sanction was accorded for rehabilitation of flood affected 59 tank Systems consisting of 57 tanks and 2 Main Irrigation Channels grouped into 16 packages for Rs.43.63 crore under World Bank Retro Active Funding. Works have been completed in all 16 packages.

In Phase-I, Administrative sanction was accorded for rehabilitation of 1325 tanks, 107 anicuts and construction of 42 artificial recharge wells in 18 sub basins grouped into 204 packages at an estimated cost of Rs.743.57 crore, including 18 packages of Environment component at an estimated cost of Rs.1.86 crore. Out of 204 packages, Rehabilitation works were completed in 183 packages and are in progress in 2 packages. 1 Package has been dropped. 18 Environment work packages are under progress.

In Phase-II, Administrative Sanction was accorded for the rehabilitation of 906 tanks, 181 anicuts and construction of 37 artificial recharge wells in 16 sub basins grouped into 45 packages at an estimated cost of Rs.649.55 crore, including 16 packages of Environment component at an estimated cost of Rs.1.53 crore. Rehabilitation works were completed in 12 packages and in progress in 17 packages. Further, Environment works are in progress in 16 packages.

In Phase III, Administrative Sanction has been accorded for rehabilitation of 329 tanks and 56 anicuts and construction of 16 Artificial Recharge wells in 9 Sub Basins grouped into 25 packages at an estimated cost of Rs.189.81 Crore, including 9 packages of Environment component at an estimated cost of Rs.0.77crore. Action is being taken for implentation

In Phase IV, it is proposed to take up additional works in 10 Sub basins which were already implemented in IAMWARM project & TNIAMP. In principle approval has been obtained from the World Bank. 10 Detailed Project Reports (DPRs) have been sent to the World Bank for approval, in which 2 DPRs have been approved.

## **6.0. Free Issue of Vandal**

Public, Farmers and Potters in the same Village or in the adjoining Villages in the State (except Chennai, Kancheepuram, Chengalpattu and Tiruvallur Districts) are permitted to take the clay, silt, savudu and gravel from the beds of tanks, channels and reservoirs after obtaining permission from the District Administration concerned at free of cost.

In the Water Resources Department, so far a quantum of 2,11,31,929 cubic metre silt has been provided to 1,29,891 beneficiaries comprising farmers, potters and the public.

## **7.0. Creation of New Irrigation Infrastructure**

### **7.1. New Reservoirs**

#### **Works in progress**

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

Rs.149.40 crore is in progress, to benefit an ayacut of 4194 acre. 95% of the works have been completed. This reservoir starts filling during North East Monsoon 2021 and reaches full capacity then it surpluses on 17.10.2021 @ 8.00 AM upto 02.02.2022 @ 6.00 AM. Totally 108 days surplus water was discharged through uncontrolled weir and the maximum discharge observed as 4069 cusecs on 26.11.2021 @ 6.00 PM to Marudaiyaru River. Canal excavation works in progress.

Formation of a Reservoir by upgrading the capacity of the Twin Tanks of Kattur and Thatamanji in Minjur Block of Ponneri Taluk in Tiruvallur District at an estimated cost of Rs. 62.36 crore is in progress, to benefit an ayacut of 5804 acre. 75% of the works have been completed.

## **7.2. New Anicuts / Regulators**

### **Work Completed**

Construction of Anicut across Ullar River to feed Kannachammal Kulam in Tenmalai Village in Sivagiri Taluk in Tenkasi District at an estimated cost of Rs.2.00 crore has been completed to benefit an ayacut of 230 acre.

### **Works in progress**

Construction of an Anicut across Mangarai River to feed Mayandikulam near Ulagampatty at Agaram Village in Dindigul West Taluk of Dindigul District at an estimated cost of Rs.7.70 crore to benefit an ayacut of 96.32 acre. 70% of the works have been completed.



Construction of an Anicut across Manimuthar River in Kadambur Village to feed Visumbur Tank and Other Tanks of Thiruvadana Taluk in Ramanathapuram District at an estimated cost of Rs.9.00 crore is taken up for implementation to benefit an ayacut of 719.49 acre.

Construction of a Diversion Weir across Virusuliyar River to feed Mangalakudi and Other Tanks in Thiruvadana Taluk of Ramanathapuram District at an estimated cost of Rs.2.00 crore is taken up for implementation to benefit an ayacut of 727.18 acre.

Construction of an Anicut across Palar River to feed Kottaierruppu and Nattarmangalam Tanks in Madhavarayanpatti Village of Thiruppathur Taluk of Sivagangai District at an estimated cost of Rs.7.00 crore is taken up for implementation to benefit an ayacut of 583.06 acre.

Construction of Anicut across Kottamalayar River to feed Dharugapuram Sirukulam and its series of Tanks in Chinthamani Village of Kadayanallur Taluk in Tenkasi District at an estimated cost of Rs.2.39 crore to benefit an ayacut of 628.8 acre. 85% of the works have been completed.

Construction of an Anicut across Ullar River to feed Melakarisalkulam in Royagiri Village of Sivagiri Taluk in Tenkasi District at an estimated cost of Rs.2.17 crore to benefit an ayacut of 78.23 acre. 85% of the works have been completed.

Construction of an Anicut across the Perambur Vari in Madhaiyanaipatti Village to feed the Avoor Tank in Viralimalai Taluk of Pudukkottai District at an estimated cost of Rs.2.983 crore to benefit an ayacut of 205.68 acre. 85% of the works have been completed.

Construction of an Anicut across the Thenar River to feed Oyyakondan Tank and other Tanks near O.Siruvayal Village of Karaikudi Taluk in Sivagangai District at an estimated cost of Rs.5.42 crore is taken up for implementation for benefiting an ayacut of 376 acre

Construction of an Anicut across Pennaiyar River near Melkumaramangalam Village in Panruti Taluk of Cuddalore District at an estimated cost of Rs.37.91 crore to benefit an ayacut of 3445 acre. 65% of the works have been completed.

Construction of Tail End Regulator across Manjalar River @ LS.146.500 Km in Kalamanallur Village of Tharangambadi Taluk in Nagapattinam District at an estimated cost of Rs.7.89 is taken up for implementation for benefiting an ayacut of 3258 acre.

Construction of a Tail End Regulator across Vellapallam Uppanar at LS 21.200 Km in Thirunagari Village of Sirkazhi Taluk in Nagapattinam District at an estimated cost of Rs.30.965 crore to recharge Ground water. 15% of the works have been completed.

Construction of a new Tail End Regulator across Kaduvaiyar River at LS 156.130 KM in Chettycherry Village of Nagapattinam Taluk and District at an estimated cost of Rs.16.273 crore to recharge Ground water & to avoid sea water intrusion. 59% of the works have been completed.

Construction of a Tail End Regulator below the confluence of the Thirunagari Channel of the Thiruvalli Tank with Nattu Kanni Manniyar to arrest Sea water intrusion in Thennampattinam Village in Sirkazhi Taluk in Nagapattinam District at an estimated cost of Rs.9.758 crore

to recharge the Ground water & to avoid sea water intrusion. 80% of the works have been completed.

Construction of an Anicut across the Vaigai River to feed Keelapasalai and Other Tanks in Manamadurai Village of Manamadurai Taluk in Sivagangai District at an estimated cost of Rs.16.864 is taken up for implementation to benefit an ayacut of 1353 acre.

Construction of an Anicut across Gundar in Kalkurichi Village to feed Panthanenthal Tank in Kariapatti Taluk of Virudhunagar District at an estimated cost of Rs.10.10 crore to benefit an ayacut of 792 acre. 75% of the works have been completed.

### **7.3. New Tanks / Ponds**

#### **Works in progress**

Formation of New Tank across Ponni Odai in Chokkanur Agrahara Village in Gangavalli Taluk of Salem District at an estimated cost of Rs.26.30 crore to benefit an ayacut of 937 acre. 30% of the works have been completed.

Formation of a Percolation Pond and a Check Dam across the Puliodai to recharge the ground water for benefitting the nearby Ayacuts in E.Pudhukottai Village of Periyakulam Taluk in Theni District at an estimated cost of Rs.4.68 is taken up for implementation to benefit an ayacut of 535.77 acre

### **7.4. New Canals / Supply Channels / Barrels**

#### **Work Completed**

Construction of Drainage inlet arrangements and providing Demarcation stones in Omandur Tank Surplus course in Omandur

Village and Sirugudi Village and Peramangalam Tank in Sirupathur Village of Manachanallur Taluk in Trichy District at an estimated cost of Rs.0.520 crore has been completed to benefit an ayacut of 1785 acre.

Excavation of a new Canal from Marankulam to Kallur Tank under the Kangeyan Anicut System in Gadana River of Tirunelveli District at an estimated cost of Rs.1.83 crore has been completed to benefit an ayacut of 100 acre.

### **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.18.00 crore to benefit an ayacut of 4241 acre. 18% of the works have been completed.

Diversion of Surplus water from Kattaru in Chinnakalrayan Therkkunadu Village at Kaikanvalavu to Kariyakoil Reservoir in Pethanaickenpalayam Taluk of Salem District at an estimated cost of Rs.7.30 crore to benefit an ayacut of 6865 acre. 73% 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 to recharge the Groundwater. 10% of work has been completed.

Excavation of new Canal to include 7 number of Tanks under the Vadakku Pachaiyar Reservoir System near Ulagankulam and Karisalpatti Villages in Cheranmahadevi Taluk of Tirunelveli District at

an estimated cost of Rs.1.89 crore to benefit an ayacut of 98 acre. 75% of the works have been completed.

Diversion of flood water of the Pennaiyar River by excavation of a New Canal from the right side and left side of the existing Ennekol Anicut to the drought prone sub basin areas in Krishnagiri and Dharmapuri Districts at an estimated cost of Rs.233.35 crore work has commenced for benefiting an ayacut of 3408 acre.

Diversion of surplus water of the Pennaiyar River by Excavation of a New Supply Canal from L.S.8.80km 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 cost of Rs.56.85 crore has commenced for benefiting an ayacut of 851acre.

Diversion of surplus water of the Chinnar River by Excavation of a New Supply Canal from L.S.5.00km of the existing Jerthalav Canal to feed Erranahalli Tank, Pulikarai Tank and 12 Other Tanks in Palacode Taluk of Dharmapuri District at an estimated cost of Rs.30.38 crore has commenced for benefiting an ayacut of 432.80 acre.

Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tenkasi District at an estimated cost of Rs.41.08 crore is taken up for implementation, to benefit an ayacut of 4050 acre. Clearance of National Board for Wild Life awaited.

Excavation of a New Link Canal from Urmelalagiyan Tank to Karunkulam Tank in Kadayanallur Taluk of Tenkasi District at an estimated cost of Rs.1.97 crore to benefit an ayacut of 207 acre. 31% works have been completed.

Linking of Parambikulam Aliyar Project system to Uppar Canals in Dharapuram Taluk of Tiruppur District at an estimated cost of Rs.8.10 crore to benefit an ayacut of 6060 acre. 96% of the works have been completed.

## **7.5. New Checkdams / Bed Dams / Grade Walls**

### **Work Completed**

Construction of Checkdam across the Nanganjiyar River in Javvadhupatti Village of Oddanchatram Taluk in Dindigul District at an estimated cost of Rs.1.94 crore has been completed, benefiting an ayacut of 314.52 acre.

Construction of cascade of Checkdam across Jungle stream in S.F.No. 198 of Kuppandampalayam Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.2.71 crore has been completed, benefiting an ayacut of 61 acre.

Construction of cascade of Checkdam across Kombupallam odai in SF.No.12 of Kottuveerampalayam Village in Sathy Taluk of Erode District at an estimated cost of Rs.1.57 crore has been completed, benefiting an ayacut of 52 acre.

Construction of cascade of Checkdam across Narayana Kombupallam Odai in S.F .No 317 of Athani Village in Anthiyur Taluk of Erode

District at an estimated cost of Rs.1.57 crore has been completed, benefiting an ayacut of 57 acre.

Construction of a Checkdam across Arjuna Nadhi (near Sri Sankili Karuppasamy koil) in S.Ammapatti & Vadugapatti Villages of Watrap Taluk in Virudhunagar District at an estimated cost of Rs.2.59 crore has been completed, benefiting an ayacut of 57 acre.

Construction of a Check dam across Palar River near Ullavur (Palayaseevaram) Village in Walajabad Taluk of Kancheepuram District at an estimated cost of Rs. 42.16 crore has been completed, benefiting an ayacut of 3688 acre.

Construction of Check dam across Ponniyar river in SF No.194 of Eranapuram Village in Magudanchavadi Block of Sangagiri Taluk of Salem District at an estimated cost of Rs.1.16 crore has been completed to recharge ground water.

Construction of Checkdam across Ayyar River in Perur Village of Musiri Taluk in Trichy District at an estimated cost of Rs. 3.652 crore has been completed to recharge of 93 No. of wells to benefit an ayacut of 454.11 acre.

Construction of two Checkdams across Aachipatti stream (upstream side) for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 2.47 crore has been completed, benefiting an ayacut of 754 acre.

Construction of Checkdam (cascade system type) across Kothavady stream for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an

estimated cost of Rs. 1.47 crore has been completed, benefiting an ayacut of 652 acre.

Construction of Series of New Checkdams (cascade system) across the Sulakkal River for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 9.25 crore has been completed, benefiting an ayacut of 4174 acre.

Construction of Bed Dam across the Vaigai River to feed Madakulam Tanks for recharging the ground water in Ponmeni, Ellis Nagar, Palanganatham, SS Colony, Madakulam and TVS Nagar in Madurai Corporation Area at an estimated cost of Rs. 17.40 crore has been completed.

Construction of Check Dam across Goundanathi River in Thirali village of Thirumangalam Taluk in Madurai District at an estimated cost of Rs. 2.37 crore has been completed, benefiting an ayacut of 368.01 acre.

Construction of Checkdam across Therkkar River in Sathankudi Village of Thirumangalam Taluk in Madurai District at an estimated cost of Rs. 2.55 crore has been completed, thereby recharging the Kokkualm Firka which is classified as critical ground water zone.

Construction of a Bed Dam across the Pennaiyar River near Agaram-Maruderi Bridge in Maruderi Village of Pochampalli Taluk in Krishnagiri District at an estimated cost of Rs. 10.90 crore has been completed, benefiting an ayacut of 339.71 acre.



Construction of a Grade Wall across the Kallar River near Arigalpadi Village in Arakonam Taluk of Ranipet District at an estimated cost of Rs.5.67 crore has been completed, benefiting an ayacut of 341 acre.

Construction of a Checkdam across Kanar near Vannandhurai Village in Ambur Taluk of Thirupathur District at an estimated cost of Rs. 2.50 crore has been completed, benefiting an ayacut of 105 acre.

Construction of a Checkdam across Kiliyar River near Sempoondi (Pasuvangaranai) Village in Maduranthagam Taluk of Chengalpattu District at an estimated cost of Rs.5.56 crore has been completed, benefiting an ayacut of 220 acre.

### **Works in progress**

Construction of a Check dam across Varattaru River in S.F.No.400 of Sokkanur Village in Kinathukadavu Taluk of Coimbatore District at an estimated cost of Rs. 2.25 crore to benefit an ayacut of 58.87 acre. 40% of the works have been completed.

Construction of a Checkdam across Solasulahalli River in S.F.No.545 of Puravipalayam Village in Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 1.38 crore to benefit an ayacut of 469.44 acre. 81% of the works have been completed.

Construction of a Check Dam across Kodaganar River Zamin Athur Village of Aravakurichi Taluk of Karur District at an estimated cost of Rs.8.35 crore is taken up for implementation to benefit an ayacut of 499 acre.

Construction of Check dam across Karumanthankinaru Odai near Aduvapatti of Pakkanadu Village in Edappadi Taluk of Salem District at an estimated cost of Rs.0.47crore to recharge Ground water. 20% of the works have been completed.

Construction of Checkdam across Kotamalaiyar River in Chinthamani Village of Kadayanallur Taluk in Tenkasi District at an estimated cost of Rs. 1.94 crore to benefit an ayacut of 139.7 acre. 45% of the works have been completed.

Construction of a Check Dam across Vaigai River near Solaithevanpatti in Vallalnathi Village of Andipatti Taluk in Theni District at an estimated cost of Rs.3.85 crore to benefit an ayacut of 565.7 acre. 15% of the works have been completed.

Construction of Checkdam across Manjalar River near Genguvarpatti Village (Vinayagar Temple) of Periyakulam Taluk in Theni District at an estimated cost of Rs. 2.36 crore to benefit an ayacut of 234.75 acre. 2% of the works have been completed.

Construction of Checkdam across Pambar River near Irunapattu Village in Thirupathur Taluk and District at an estimated cost of Rs.1.91 crore is in progress to benefit an ayacut of 392 acre. 75% of the works have been completed.

Construction of Checkdam across Nagari River near Illuppur Village in Thiruthani Taluk of Thiruvallur District at an estimated cost of Rs.17.86 crore is in progress. 60% of the works have been completed.

Construction of a Check Dam across the Amaravathi River at L.S 102.000 Km of Mambadi - Pungandurai Village in Dharapuram Taluk

of Tiruppur District at an estimated cost of Rs.11.00 crore is taken up for implementation to benefit an ayacut of 570 acre.

Construction of Check Dam across Deviar (Vaippar) River near Melanmarainadu in Appayanayakkanpatti Village in Vembakottai Taluk of Virudhunagar District at an estimated cost of Rs. 3.80 crore to benefit an ayacut of 308 acre is in progress. 95% of the works have been completed.

Construction of a Check dam across Ongur River between Vanniyanallur and Rayanallur Villages in Cheyyur Taluk Chengalpattu District at an estimated cost of Rs.4.51 crore is taken up for implementation to benefit an ayacut of 524 acre

Construction of a Check Dam across Kumittipathi river in S.F.No. 402 of Thirumalaiyam-palayam Village in Coimbatore South Taluk of Coimbatore District at an estimated cost of Rs.2.29 crore is taken up for implementation to benefit an ayacut of 79 acre.

Construction of a Check Dam across Odai in S.F.No.195 near Kambathumadai in Arisipalayam Village in Madukkarai Taluk of Coimbatore District at an estimated cost of Rs.1.96 crore is taken up for implementation to benefit an ayacut of 196.79 acre.

Construction of a Check dam across Kesarkuli River in SF No: 451 of Thirumalvadi Village in Palacode Taluk of Dharmapuri District at an estimated cost of Rs.1.81 crore is taken up for implementation to benefit an ayacut of 40.60 acre .

Construction of a Check Dam across Santhanavarthini River in Mullipadi Village in Dindigul East Taluk of Dindigul District at an

estimated cost of Rs.4.76 crore is taken up for implementation to benefit an ayacut of 250 acre.

Construction of a Check Dam across Santhanavarthini River near Periyakottai Village of Dindigul East Taluk In Dindigul District at an estimated cost of Rs.4.76 crore is taken up for implementation to benefit an ayacut of 350 acre .

Construction of a Check Dam across Santhanavarthini River near Rajakkapatti Village of Dindigul East Taluk in Dindigul District at an estimated cost of Rs.4.73 crore is taken up for implementation to benefit an ayacut of 250 acre.

Construction of a Check Dam across Santhanavarthini River near Kulathur Village of Vedasanthur Taluk in Dindigul District at an estimated cost of Rs.3.62 crore is taken up for implementation to benefit an ayacut of 250 acre .

Construction of a Check Dam across Santhanavarthini River near Seelapadi Village in Dindigul East Taluk of Dindigul District at an estimated cost of Rs.3.43 crore is taken up for implementation to benefit an ayacut of 250 acre .

Construction of a Check Dam across Kodaganar River at Ponnimanthurai Hamlet of Sindalagundu Village of Dindigul Taluk and District at an estimated cost of Rs.3.05 crore is taken up for implementation to benefit an ayacut of 350 acre .

Construction of a Check Darn across Mangarai River In S.F.No.470 at Vellaiyampatti Hamlet of Silvarpatti Village of Dindigul West Taluk In Dindigul District at an estimated cost of Rs.2.49 crore is taken up for implementation to benefit an ayacut of 262.52 acre .

Construction of a Check Dam across Periya Odai in Javvathupatti Village of Oddanchatram Taluk in Dindigul District at an estimated cost of Rs.1.96 crore is taken up for implementation to benefit an ayacut of 174.53 acre.

Construction of a Check Dam across Mangarai River at Silvarpatti Village in Dindigul West Taluk of Dindigul District at an estimated cost of Rs.1.94 crore is taken up for implementation to benefit an ayacut of 251.70 acre .

Construction of a Check Dam across Mangarai River near Rajapudur at Kodalvavi Village of Dindigul Taluk and District at an estimated cost of Rs.1.24 crore is taken up for implementation to benefit an ayacut of 500 acre .

Construction of a Check Dam across odai near Naripon pallam at Chinnalagu Naickanur H/O R.Kombai Village in Vedasandur Taluk of Dindigul District at an estimated cost of Rs.1.02 crore is taken up for implementation to benefit an ayacut of 163.16 acre .

Construction of a Check Dam across Perumal kovil Odai in Athikombai Village in Ottanchathiram Taluk of Dindugul District at an estimated cost of Rs.2.40 crore, is taken up for implementation to benefit an ayacut of 338.12 acre.

Construction of Checkdam across Chinna Odai in Odaipatti Village in Ottanchatram Taluk of Dindigul District at an estimated cost of Rs.1.48 crore, is taken up for implementation to benefit an ayacut of 272.30 acre.

Construction of a Check Dam across Kuranganpalayam odai in S.F.No. 118 of Kolathupalayam Village near Arampalayam in

Kodumudi Taluk of Erode District at an estimated cost of Rs.1.86 crore is taken up for implementation to benefit an ayacut of 212.06 acre.

Construction of a Check Dam across Kuranganpaliam Odai in S.F.No. 192 of Kombanaipudur Village in Kodumudi Taluk of Erode District at an estimated cost of Rs.1.57 crore is taken up for implementation to benefit an ayacut of 99.33 acre .

Construction of a Checkdam across Puthali Maduvu near Irumaram Village in Uthiramerur Taluk of Kancheepuram District at an estimated cost of Rs.2.95 crore is taken up for implementation to benefit an ayacut of 378.07 acre.

Construction of a Check Dam across Pazhayar in Thamaraikulam Village of Agastheeswaram Taluk in Kanyakumari District at an estimated cost of Rs.5.23 crore is taken up for implementation to arrest the sea water intrusion.

Construction of Check Dam across Nanganjar River Velambadi Village of Aravakurichi Taluk in Karur District at an estimated cost of Rs.5.40 crore, is taken up for implementation to benefit an ayacut of 294 acre.

Construction of a Check Dam across Markandanadi in Guntapalli Village of Krishnagiri Taluk in Krishnagiri District at an estimated cost of Rs.3.33 crore is taken up for implementation to benefit an ayacut of 334.3 acre.

Construction of a Check Dam across Goundanadhi in Sedapatti Village of Peraiyur Taluk in Madurai District at an estimated cost of

Rs.2.62 crore is taken up for implementation to benefit an ayacut of 397.4 acre.

Construction of a Check Dam across Goundanadhi in Periyakattalai Village of Peraiyur Taluk in Madurai District at an estimated cost of Rs.1.88 crore is taken up for implementation to benefit an ayacut of 210.4 acre.

Construction of Check Dam across Chinnar River in Bramadesam Village of Veppanthattai Taluk in Perambalur District at an estimated cost of Rs.10 crore is taken up for implementation to benefit an ayacut of 165 acre.

Construction of a Check Dam across Kalpadi Odai at Kalpadi Village of Perambalur Taluk in Perambalur District at an estimated cost of Rs.3.42 crore is taken up for implementation to benefit an ayacut of 110 acre.

Construction of a Check Dam across Madathuvari near Kurumbalur Village in Perambalur District & Taluk at an estimated cost of Rs.1.34 crore is taken up for implementation to benefit an ayacut of 80 acre.

Construction of a Check Dam across Kosasthalaiyar River near Kariyakudal Village in Nemili Taluk of Ranipet District at an estimated cost of Rs.7.60 crore is taken up for implementation to benefit an ayacut of 441.87acre.

Construction of Check Dam across Swethanadhi at Kanavaikadu in Gangavalli Village of Gangavalli Taluk of Salem District at an estimated cost of Rs.3.80 crore is taken up for implementation to benefit an ayacut of 116.77 acre.

Construction of a Check Dam across Swethanadhi in 74 Krishnapuram Village of Gangavalli Taluk of Salem District at an estimated cost of Rs.3.69 crore is taken up for implementation to benefit an ayacut of 131.18 acre.

Construction of a Check Dam across Palar River in Kirungakottai Village of Singampunari Taluk in Sivagangai District at an estimated cost of Rs.4.98 crore to benefit an ayacut of 509.60 acre is taken up for implementation.

Construction of a Check Dam across Kakanadhi on downstream of Railway Bridge in Sennikulam (Vayali) Village of Sankarankovil Taluk in Tenkasi District at an estimated cost of Rs.2.09 crore is taken up for implementation to benefit an ayacut of 227.10 acre.

Construction of a Check Dam across Maharajasamudram River in Sillathur Village of Orathanadu Taluk in Thanjavur District at an estimated cost of Rs.3.80 crore is taken up for implementation to benefit an ayacut of 571.0 acre.

Construction of a Check Dam across Nariyar Drain near Kariyaviduthi Village of Orathanadu Taluk in Thanjavur District at an estimated cost of Rs.2.09 crore is taken up for implementation to benefit an ayacut of 584.63 acre.

Construction of a Check Dam across Nagalar Odai near S.F.No: 107 in Kothappatti Village of Andipatti Taluk of Theni District at an estimated cost of Rs.2.12 crore is taken up for implementation to benefit an ayacut of 450 acre .

Construction of a Check Dam across Pambar River near Matrapalli Village of Tirupathur District & Taluk at an estimated cost of



Rs.3.80 crore is taken up for implementation to benefit an ayacut of 612.20 acre.

Construction of a Check Dam across Pambar River near Jondrampalli Village of Tirupathur District & Taluk at an estimated cost of Rs.3.325 crore is taken up for implementation to benefit an ayacut of 994.92 acre.

Construction of Check dam across Amaravathy river at LS 93.00Km near Kavundaiyanvalasu Village of Dharapuram Taluk of Tiruppur District at an estimated cost of Rs.10.58 crore is taken up for implementation to benefit an ayacut of 479.79 acre .

Construction of a Check dam across Cooum River near Soranjeri Village in Poonamallee Taluk of Thiruvallur District at an estimated cost of Rs.5.62 crore is taken up for implementation to benefit an ayacut of 440.29 acre .

Construction of a Check dam across Kamandalanaganadhi near Kamakkur Village in Arni Taluk of Tiruvannamalai District at an estimated cost of Rs.4.66 crore is taken up for implementation to benefit an ayacut of 214.63 acre .

Construction of a Check Dam across Uppar Surplus course in Thathamangalam Village of Mannachannallur Taluk in Trichy District at an estimated cost of Rs.4.50 crore is taken up for implementation to benefit an ayacut of 209.91 acre .

Construction of a Check Dam across Mamundiyar River in Kannudaiyanpatti Village of Manapparai Taluk in Trichy District at an estimated cost of Rs.4.47 crore to benefit an ayacut of 477.45 acre is taken up for implementation.

Construction of Check dam across Thekkamalaiyar River at North Ammapatti of Kumaravadi village of Manapparai Taluk in Trichy District at an estimated cost of Rs. 1.979 crore to benefit an ayacut of 557.36 acre is taken up for implementation.

Construction of a Check dam across Agaram river near Govindhambadi Village in Anicut Taluk of Vellore District at an estimated cost of Rs.10.44 crore is taken up for implementation to benefit an ayacut of 528.74 acre .

Construction of a Check dam across Palar river near Poigai Village in Anicut Taluk of Vellore District at an estimated cost of Rs.16.59 crore is taken up for implementation to benefit an ayacut of 780.49 acre .

Construction of a Check Dam across Gowsiga River near Kuppampatti Village in Virudhunagar Taluk and District Rs. 2.44 crore is taken up for implementation to benefit an ayacut of 100.00 acre.

Construction of a Bed Dam cum Flood Regulator across the Madhurapakkam Odai in Ottiambakkam Village of Tambaram Taluk in Chengalpattu District at an estimated cost of Rs.3.42 crore. 95% of the works have been completed.

Construction of series of checkdams (Cascade systems) across the Korayaru River for harnessing the flood water and for augmentation of the Ground water recharging in Pollachi Taluk of Coimbatore District at an estimated cost of Rs. 8.66 crore is in progress, to benefit an ayacut of 3942 acre. 62% of the works have been completed.

Construction of Checkdam across Manjalar River near Ucchapatti in Kunnuvarayankottai Village of Nilakottai Taluk in Dindigul District at an

estimated cost of Rs. 2.47 crore to benefit an ayacut of 264.39 acre is in progress. 20% of the works have been completed.

Construction of Checkdam across Manjalar River at L.S. 14000 m in Kanavoipatti Village of Nilakottai Taluk in 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 cascade of check dams from Bhavanisagar Dam to Kalingarayan Anicut of Erode District- Checkdam across Bhavani River in SF no 392 of Aalathukombai Village in Sathy Taluk of Erode District at an estimated cost of Rs.21.13 crore to benefit an ayacut of 234 acre is in progress. 70% of the works have been completed.

Construction of cascade of Checkdams from Bhavanisagar dam to Kalingarayan anicut of Erode District- Check Dam across Bhavani River in SF no 557 of Vaniputhur B Village at Kasipalayam in Gobi Taluk of Erode District at an estimated cost of Rs.18.95 crore is in progress to benefit an ayacut of 223 acre. 77% of the works have been completed.

Construction of cascade of Checkdams from Bhavanisagar Dam to Kalingarayan anicut of Erode District- Checkdam across Bhavani River in SF. no 111 of Kuppandampalayam Village in Anthiyur Taluk of Erode District at an estimated cost of Rs.18.61 crore is in progress to benefit an ayacut of 220 acre. 95% of the works have been completed.

Construction of cascade of Checkdams from Bhavanisagar Dam to Kalingarayan anicut of Erode District- Checkdam across Bhavani River in SF. no 322 of Arakkankottaikarai Village in Gobi Taluk of Erode

District.at an estimated cost of Rs.15.29 crore is in progress to benefit an ayacut of 226 acre. 82% of the works have been completed.

Construction of Checkdam across the Bhavani River in SF.No.962/1 of Jambai "A" Village in Bhavani Taluk of Erode District at an estimated cost of Rs.13.26 crore is in progress to benefit an ayacut of 216.81 acre. 2% of the works have been completed.

Construction of a Checkdam across Kuzhithuraiyar near Eraiyumanthurai in Kanyakumari District at an estimated cost of Rs.15.37 crore to prevent sea water intrusion. 81% of the works have been completed.

Construction of a Check Dam and Recharge Shafts across Vaigai River for recharge of Ground Water near Aarapalayam of Madurai West Taluk in Madurai District at an estimated cost of Rs. 11.9855 crore is in progress, to meet out the drinking water needs of Madurai Corporation. 30% of the works have been completed.

Construction of a Checkdam across the Kallar River in Pandagapadi Village of Veppanthattai Taluk in Perambalur District at an estimated cost of Rs. 6.58 crore is in progress, to benefit an ayacut of 712.29 acre. 95% of the works have been completed.

Construction of a Checkdam across the Kallar River in V.Kalathur Village in Veppanthattai Taluk in Perambalur District at an estimated cost of Rs. 6.21 crore is in progress, to benefit an ayacut of 591.00 acre. 85% of the works have been completed.

Construction of a Check Dam across Sarabanga River in Omalur Village and Taluk of Salem District at an estimated cost of

Rs. 2.32 crore is taken up for implementation to benefit an ayacut of 227 acre.

Construction of a Checkdam across the Agniyar River in Rajamadam Village of Pattukottai Taluk in Thanjavur District at an estimated cost of Rs.18.00 crore is in progress, to benefit an ayacut of 573.10 acre. 5% of the works have been completed.

Construction of a Grade Wall across Vennar River at LS 79.250Km to maintain the theoretical bed level and to feed Muniyur and Vikramanar Channels in Thennancholai Village of Papanasam Taluk in Thanjavur District at an estimated cost of Rs. 7.682 crore is taken up for implementation to benefit an ayacut of 6329 acre.

Construction of a Grade Wall across Vennar River at LS 85.180Km to maintain the theoretical bed level and to feed Nanjumanar Channel in Ivelithottam Village of Papanasam Taluk in Thanjavur District at an estimated cost of Rs. 5.857 crore is taken up for implementation to benefit an ayacut of 1836 acre.

Construction of a Grade Wall across Vettar River at LS 73.635Km to maintain the theoretical bed level and to feed Surakkayur and Kavalur channels in Surakkayur Village of Papanasam Taluk in Thanjavur District at an estimated cost of Rs. 4.881 crore is taken up for implementation to benefit an ayacut of 14397 acre.

Construction of a Checkdam across Nasuviniyar Drain at LS 11.70 Km in Ponnaavarayankottai Village of Pattukottai Taluk in Thanjavur District at an estimated cost of Rs. 3.00 crore is in progress to recharge Ground water to benefit an ayacut of 772.64 acre. 88% of the works have been completed.

Construction of Checkdam across Vaigai River in Kadamalaikundu Village of Andipatti Taluk in Theni District at an estimated cost of Rs.2.08 crore is in progress, to benefit an ayacut of 315.4 acre. 45% of the works have been completed.

Construction of a new Checkdam across Tamiraparani River near Agaramkudiyiruppu in Vallanadu Village of Srivaikundam Taluk of Thoothukudi District at an estimated cost of Rs. 12.29 crore to benefit an ayacut of 2347 acre is in progress. 95% of the works have been completed.

Construction of Tail end Checkdams at confluence points of Thamirabarani River with sea in Punnakayal and Sendamangalam Villages of Thiruchendur Taluk and Mukkani Village of Srivaikundam Taluk in Thoothukudi District at an estimated cost of Rs.46.14 crore is in progress, to benefit an ayacut of 2977.56 acre. 25% of the works have been completed.

Construction of a Checkdam across the Thamiraparani River between Alwarthoppu and Alwarthirunagari Villages of Srivaikundam Taluk in Thoothukudi District at an estimated cost of Rs. 25.14 crore is in progress, to benefit an ayacut of 1522 acre. Preliminary works are in progress. Environment Clearance awaited.

Construction of Checkdam across Kosasthalaiyar River in Pattaraiperumbudur Village to channelise water to Veeraraghavaperumal Temple Tank in Tiruvallur Taluk and District at an estimated cost of Rs. 25.00 crore is in progress. 95% of the works have been completed.

Construction of a Checkdam across the Palar River in Thethur Village of Marungapuri Taluk in Trichy District at an estimated cost of Rs.4.060 crore is in progress, to benefit an ayacut of 511.72 acre. 80% of the works have been completed.

Construction of Check dam across Ayyar River at Senappanallur Village of Thuraiyur Taluk in Trichy District at an estimated cost of Rs. 3.44 crore is in progress, to benefit an ayacut of 509.36 acre. 25% of the works have been completed.

Construction of a Check dam across Ponnai river near Kugainellore Village in Katpadi Taluk of Vellore District at an estimated cost of Rs.12.70 crore is taken up for implementation to benefit an ayacut of 715.99 acre.

## **7.6. Artificial Recharge Structures**

### **Work Completed**

Construction of a Artificial Recharging Structure across Nallavur River near Killyanur Village in Vanur Taluk of Villupuram District at an estimated cost of Rs.3.91 crore has been completed, benefiting an ayacut of 317 acre.

### **Works in progress**

Construction of an Artificial Recharging Structure across the Thondiyar River in Melchithamur Village near Vilukkam in Gingee Taluk of Villupuram District at an estimated cost of Rs.2.41 crore. 90% of the works have been completed.

Construction of one Sub Surface Dyke across Palar River near Shenbakkam Village in Vellore Taluk and District at an estimated cost

of Rs.18.31 crore is taken up for implementation to benefit an ayacut of 965 acre.

Construction of an Artificial Recharging Structure across the Malattar In Kongampattu Village near Mettupalaiyam in Villupuram Taluk and District at an estimated cost of Rs.2.99 crore is taken up for implementation to benefit an ayacut of 78.50 acre.

## **7.7. New Dividing Dam**

### **Works in progress**

Construction of Dividing Dam across Kottamalaiyar River at open offtake of Vannanerikal and Sakalanerikulam to feed Vannanerikulam and Sakalanerikulam in Chinthamani Village of Kadayanallur Taluk in Tenkasi District at an estimated cost of Rs.1.75 crore is in progress to benefit an ayacut of 308.51 acre. 40% of the work has been completed.

Construction of a Dividing Dam across the Panaiyur Supply Channel to feed Vayalimittankulam in Panaiyur village of Sankarankovil Taluk in Tenkasi District at an estimated cost of Rs.1.52 crore is in progress to benefit an ayacut of 1222.40 acre. 65% of the work has been completed.

## **7.8. New Roads / Bridges**

### **Work Completed**

Construction of Two Lane Bridge across South Bank Canal, Krishnarayapuram channel, New Kattalai High Level Canal and North Bank Canal near Mayanur Village in Krishnarapuram Taluk of Karur District at an estimated cost of Rs.6.86 crore has been completed.



Construction of a Bridge Across Mettur West Bank Canal at LS 11390M in Mettur Taluk of Salem District at an estimated cost of Rs.0.90 crore has been completed

Construction of 5 Nos. of Foot Bridges across Kattalai High Level Canal and South Bank Canal in Karur District at an estimated cost of Rs.2.49 crore has been completed.

### **Works in progress**

Construction of Bridge across Vennanguzhi odai Tank surplus course @ LS 150m in Vankudi Village of Udayarpalayam Taluk in Ariyalur District at an estimated cost of Rs.0.57 crore is in progress. 95% of the works have been completed.

## **7.9. New Buildings**

### **Works in progress**

Construction of Assistant Engineer Quarters at Veppur in Veppur Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.42 crore.

Construction of Assistant Engineer Quarters at Virudhachalam in Virudhachalam Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.42 crore.

Construction of Assistant Engineer Quarters at Keelacheruvai in Thittakudi Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.42 crore.

Construction of Assistant Engineer Quarters at Pelandurai Anicut Campus in Thittakudi Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.42 crore.

Construction of Assistant Engineer Office at Veppur in Veppur Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.40 crore.

Construction of Section office at Keelacheruvai Village in Thittagudi Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.39 crore.

Construction of Section office at Pelandurai campus in Thittagudi Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.39 crore.

Construction of Irrigation Section WRD Office Building, Kurinjipadi Taluk of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.25 crore. Construction of Sub Division office and Section office of PWD campus in Harur Taluk of Dharmapuri District is taken up for implementation at an estimated cost of Rs.0.76 crore.

Construction of Section Office Building at Pochampalli Village in Palacode Taluk of Dharmapuri District is taken up for implementation at an estimated cost of Rs.0.24 crore.

Construction of Section office Building at Pennagaram in Pennagaram Taluk of Dharmapuri District is taken up for implementation at an estimated cost of Rs.0.20 crore.

Construction of Quarters for the Work Inspectors and Irrigation Assistants of the Irrigation Section, Unjalur in Vengambur Village in Kodumudi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.1.616 crore.

Construction of Section Officer's Quarters for the Assistant Engineer, Irrigation Section, Unjalur in Vengambur Village in Kodumudi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.483 crore.

Construction of "C" Type Quarters at Thyampoodurai "A" village in Modakkuruchi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.34 crore.

Construction of "C" Type Quarters at Elumathur "A" village in Modakkuruchi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.32 crore.

Construction of Assistant Engineer's Quarters in PWD campus at Arachalur in Modakkurichi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.297 crore.

Construction of "C" Type Quarters in PWD campus at Arachalur in Modakkurichi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.29 crore.

Construction of "C" Type Quarters in PWD campus at Sivagiri in Kodumudi Taluk of Erode District is taken up for implementation at an estimated cost of Rs.0.29 crore.

Construction of Sub Division Office Building for Kodaganar Sub Division at PWD campus in Vendasandur of Dindigul District is taken up for implementation at an estimated cost of Rs.0.46 crore.

Construction of Section Office Building for the Kodaganar Dam Section at Kodaganar Dam in Alagapuri Village of Vendasandur Taluk in Dindigul District is taken up for implementation at an estimated cost of Rs.0.22 crore.

Construction of Building for Section office for irrigation section, Shoolagiri in Shoolagiri Taluk of Krishnagiri District is taken up for implementation at an estimated cost of Rs.0.21 crore.

Construction of New Section Office Building for Gundar Basin section, Sedapatti in Peraiyur Taluk of Madurai District is taken up for implementation at an estimated cost of Rs.0.15 crore.

Construction of New Section Office Building for Gundar Basin section, Peraiyur in Peraiyur Taluk of Madurai District is taken up for implementation at an estimated cost of Rs.0.15 crore.

Construction of integrated sub division Office Building for Gundar Basin Sub Division, Kamuthi and Kamuthi Section office 1 & 2 (first floor) in Kamuthi Taluk of Ramanathapuram District is taken up for implementation at an estimated cost of Rs.0.58 crore.

Construction of Section Office Building for Irrigation Section, Alwarkurichi at Alwarkurichi village of Tenkasi Taluk of Tenkasi District is taken up for implementation at an estimated cost of Rs.0.21 crore.

Construction of Section Office Building of P.C Patti Section, AE Quarters and Compound wall at P.C Patti in Theni taluk in Theni District is taken up for implementation at an estimated cost of Rs.0.43 crore.

Construction of Section Office Building in Manjalar Dam of Periyakulam taluk in Theni District is taken up for implementation at an estimated cost of Rs.0.39 crore.

Construction of 1 Assistant Executive Engineer Quarters and 2 Assistant Engineer Quarters and Irrigation Assistant Quarters in S.V.Nagaram Village in Arni Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.98 crore.

Construction of Irrigation Section WRD Office Building, Cheyyar Town at Section Office Quarters Campus in Cheyyar Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.17 crore.

Construction of Irrigation Section WRD Office Building, Cheyyar Anicut at Cheyyar Anicut Inspection Bungalow Campus in Cheyyar Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.17 crore.

Construction of Irrigation Section WRD Office Building, Kovilur at Kovilur Inspection Bungalow Campus in Cheyyar Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.17 crore.

Construction of Irrigation Section WRD Office Building, Veerambakkam at Veerambakkam Inspection Bungalow Campus in

Cheyar Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.17 crore.

Construction of Irrigation Section WRD Office Building, Peranamallur at Peranamallur WRD Campus in Vandavasi Taluk of Thiruvannamalai District is taken up for implementation at an estimated cost of Rs.0.17 crore.

Reconstruction of South main channel Section Office Building in Thenthiruperai in Eral Taluk of Thoothukudi District is taken up for implementation at an estimated cost of Rs.0.21 crore.

Construction of Perungal Section Office Building at Manimuthar in Ambasamudram Taluk of Tirunelveli District is taken up for implementation at an estimated cost of Rs.0.21 crore.

Reconstruction of Ramanadhikal Section Office Building at Ambasamudram Taluk of Tirunelveli District is taken up for implementation at an estimated cost of Rs.0.21 crore.

Construction of Camp Section Office in the PAP Colony at Palladam in Palladam Taluk of Tiruppur District to be taken up for implementation at an estimated cost of Rs.0.30 crore.

## **8.0. Rehabilitation of Irrigation Infrastructure and Systems**

### **8.1. Rehabilitation of Dams**

#### **8.1.1. Dam Rehabilitation and Improvement Project - II (DRIP - II)**

On successful completion of Dam Rehabilitation and Improvement Project (DRIP) at a Revised Project cost of Rs.803.49 Crore, Phase II

of this project (DRIP - II) is being implemented in the State at the project cost of Rs.610.26 Crore with the loan assistance from World Bank (IBRD – International Bank for Reconstruction and Development) & AIIB (Asian Infrastructure Investment Bank) with an implementation period of 6 years starting from April – 2021

In DRIP II project, Rehabilitation and Improvement works are proposed for 37 dams, which includes catchment area treatment works in 5 dams.

### **Works completed**

#### **DRIP I**

Construction of a new office building (G+2) for Tamil Nadu State Project Management unit in Tharamani has been completed at an estimated cost of Rs.11.96 Crore.

Construction of Flood control room in 10 Dams viz., Redhills and Cholavaram tanks in Tiruvallur District, Veeranam Tank in Cuddalore District, Chembarambakkam Tank in Kancheepuram District, Mettur dam in Salem District, Vaigai dam in Theni District, Sholayar and Aliyar dams in Coimbatore District, Bhavanisagar dam in Erode District during 2020-21 and Perunchani dam in Kanniyakumari District has been completed at an estimated cost of Rs.1.04 crore during 2021-2022.

## **Works in progress**

### **DRIP I**

Construction of additional floor (3<sup>rd</sup> Floor) over new office building for Tamil Nadu State Project Management unit in Tharamani at an estimated cost of Rs.3.50 Crore is in progress.

Supply, installation, testing, commissioning, training and maintenance of Real Time Structural Health Monitoring Instrument system in 17 DRIP Dams viz., Mettur, Sholayar, Bhavanisagar, Amaravathi, Manimuthar, Vaigai, Sothuparai, Pechiparai, Perunchani, Parambikulam, Aliyar, Krishnagiri, Sathanur, Redhills, Chembarambakkam, Cholavaram and Veeranam at an estimated cost of Rs.21.50 crore are in progress.

### **Sedimentation Study of Dams / Reservoirs**

During the year 2021-2022, Sedimentation studies in 9 dams viz., Amaravathi Reservoir in Thiruppur District, Varattar Reservoir in Dharmapuri District, Sathanur Reservoir in Thiruvannamalai District, Perunchani and Poigaiyar Reservoir in Kanyakumari District, Shanmuganadhi Reservoir in Theni District, Sathaiyar Reservoir in Madurai District, Uppar Bhavani (TANGEDCO) and Moyar Reservoir (TANGEDCO) in Niligris District have been completed at an estimated cost of 0.45 crore.

### **DRIP II**

Rehabilitation and Improvement to Sathanur Dam in Thandarampattu Taluk of Tiruvannamalai District at an estimated cost of Rs.90.00 crore is in progress.



## **8.2. Other Schemes**

### **Works completed**

Renewal of emergency shutter and repairs to the service shutter of Parambikulam Dam Tunnel Entry at Parambikulam in Chittur Taluk of Palghat District at an estimated cost of Rs.1.50 crore has been completed.

Providing Dial Gauge and Hand Rail Arrangements in overhauling of Hoisting Arrangement and Roller Service and providing Abrasive Blast Cleaning, Application of High Performance Primary Coating and Coal Tar in the Spillway Shutter, Emergency Shutter River Sluice and Irrigation Sluice and Repair and Replacement of the Composite Shutters in LMC and RMC of the Marudhanadhi Dam in Athoor Taluk of Dindigul District at an estimated cost of Rs.2.01 crore has been completed.

### **Works in progress**

Strengthening of Earthen Bund in the left side of Energy Dissipation arrangement wall near additional three vents at Mullai Periyar Dam in Idukki District in Kerala is taken up for implementation at an estimated cost of Rs.9.00 crore.

Strengthening of Baby Dam by providing RCC backing and instrumentation for Main Dam and Baby Dam of Mullai Periyar Dam in Idukki District in Kerala at an estimated cost of Rs.7.85 crore is in progress. (MoEF clearance awaited - 2)

Pressure Grouting for Mullai Periyar Dam at 130 feet level along 130 feet ledge of Periyar Dam in Idukki District in Kerala (Phase I) is taken up for implementation at an estimated cost of Rs.4.14 crore.

Seismic Monitoring of the Periyar Dam by Installing Seismograph and Accelerographs at selected sites in the Dam structure is taken up for implementation at an estimated cost of Rs.1.00 crore.

Design, Fabrication and Erection of new Trash rack for replacement of old Trash rack at the tunnel entry and providing Electrically operating facility to the existing shutters at LS 4000 feet in Parambikulam Dam at an estimated cost of Rs. 5.00 crore is in progress. 81% of the works have been completed.

Additional works in Kannankottai Thervoikandigai Reservoir in Thervoikandigai Village in Gummudipoondi Taluk of Thiruvallur District. (Construction of inlets, Drop cum Regulator etc.,) at an estimated cost of Rs. 15.89 crore is in progress. 87% of the works have been completed.

Capacity addition by deepening, strengthening of the bund and remodelling of the spillways of the Maduranthagam Tank in Maduranthagam Taluk of Chengalpattu District at an estimated cost of Rs. 120.24 crore is taken up for implementation to benefit an ayacut of 2853 acre.

Reconstruction of the damaged IHH Sluices and construction of a Gauge Well at the upstream side of the Sathyamoorthy Sagar Reservoir in Poondi Village of Thiruvallur Taluk and District is taken up for implementation at an estimated cost of Rs.10.05 crore.

Renewal and Reconditioning of damaged components of Spillway Radial shutters of Kodaganar Dam in Alagapuri Village of Vedasandur Taluk in Dindigul District at an estimated cost of Rs.6.98 crore is in progress, to benefit an ayacut of 9000 acre. 73% of the works have been completed.

Repairs & Renovation to rollers in the shutters of 16 vent Ellis saddle escape, painting the high level sluice shutters, changing the corroded connection cables to non corrosive connection cables, Oil tray and painting the shutters of low level sluices in Stanley Reservoir in Mettur Taluk of Salem District is taken up for implementation at an estimated cost of Rs.6.87 crore .

Augmenting the storage capacity of the Ramanadhi Reservoir by regrading the river bed on upstream side of river/ canal sluices and providing trash rack shutters to dam sluices at Ramanadhi Reservoir in Melakadayam Village of Tenkasi Taluk and District to be taken up for implementation at an estimated cost of Rs.1.30 crore is in progress, 25% of the works have been completed.

Renovation and Replacement of corroded Sand Vent Shutters in Vent Nos. 8 & 9 and Repairs to the Underdeck of the Operating Platform of the Sathyamoorthy Sagar Dam at Poondi and Repairs to the Shutter in the Poondi Link Canal in the Poondi Reservoir Project in Thiruvallur District at an estimated cost of Rs.2.12 crore is in progress, 80% of the works have been completed.

Rehabilitation and Improvements to the Shenbagathope Reservoir Project in Polur Taluk of Tiruvannamalai District at an estimated cost of Rs.13.45 crore is taken up for implementation to benefit an ayacut of 7497 acre.

Desilting of Vidur Dam and Rehabilitation of its infrastructures in Tindivanam Taluk of Villupuram District at an estimated cost of Rs.42.44 crore is in progress, to benefit an ayacut of 3200 acre 30% of the works have been completed.

### **8.3. Rehabilitation of Anicuts**

#### **Work Completed**

Reconstruction of Kattuperiyakulam Anicut across Thirumanimuthar River in Natham village and Taluk of Dindigul District at an estimated cost of Rs.3.35 crore has been completed to benefit an ayacut of 96.66 acre.

Reconstruction of Paalathukulam Anicut across Palar River in Kosukurichi Village of Natham Taluk of Dindigul District at an estimated cost of Rs. 2.20 crore has been completed to benefit an ayacut of 47.95 acre.

Rehabilitation of Valikandapuram Anicut in Valikandapuram Village of Veppanthattai Taluk in Perambalur District an estimated cost of Rs.0.796 crore has been completed to benefit an ayacut of 150 acre.

Renovation of Rajavoikkal Anicut and Flood Protection wall in u/s & d/s of Rajavoikkal Anicut near Anaipillayarkoil in Bodinayakkanur Village of Bodinayakkanur Taluk of Theni District at an estimated cost of Rs.4.91 crore has been completed to benefit an ayacut of 2064 acre.

Reconstruction of the existing breached Korattur Anicut across the Coovam River near Puduchatram Village in Poonamalle Taluk of

Thiruvallur District at an estimated cost of Rs. 32.45 crore has been completed, benefiting an ayacut of 13223 acre.

Improvements to Thamaraipakkam Anicut by providing Up Stream Cut off Wall and Energy Dissipation Arrangements in Uthukottai Taluk of Thiruvallur District has been completed at an estimated cost of Rs.3.89 crore.

Rehabilitation of the Nallur Anicut near Nallur village in Gengavalli Taluk in Salem District at an estimated cost of Rs. 1.69 crore has been completed, to benefit an ayacut of 715 acre.

### **Works in progress**

Rehabilitation of Ramapattinam Chinna Anicut and Peria Anicut in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.0.98 crore is taken up for implementation to benefit an ayacut of 338 acre.

Rehabilitation of the Kumarampatti Anicut in Kumarampatti Village of Harur Taluk in Dharmapuri District at an estimated cost of Rs.4.49 crore is in progress, to benefit an ayacut of 119 acre. 10% of the works have been completed.

Rehabilitation and Modernisation of the O.V.C Anicut and Irrigation Channel in Thekkampatti Village in Mettupalayam Taluk of Coimbatore District at an estimated cost of Rs.6.54 crore to be taken up for implementation to benefit an ayacut of 323 acre. 3% of the works have been completed.

Renovation of the Chithanai Anicut across the Vaigai River in Kuruvithurai Village of Vadipatti Taluk in Madurai District at an

estimated cost of Rs.4.96 crore is in progress, to benefit an ayacut of 3402 acre. 30% of the works have been completed.

Reconstruction of the Anicut across the Chinnar River to feed the Vadakkalur Agraharam Tank in Kunnam Taluk of Perambalur District at an estimated cost of Rs. 5.939 crore is in progress, to benefit an ayacut of 152.4 acre. 90% of the works have been completed.

#### **8.4. Rehabilitation of Regulators**

##### **Works in progress**

Rehabilitation of Thirumalairajan – Kudamurutty Regulator across the Kudamurutty River at mile 47/6 in Rajagiri Village of Papanasam Taluk in Thanjavur District at an estimated cost of Rs. 2.49 crore is in progress, to benefit an ayacut of 88856 acre. 80% of the works have been completed.

#### **8.5. Rehabilitation of Barrages**

##### **Works in progress**

Rehabilitation of the component of the Kattalai Barrage near Mayanur Village of Krishnarayapuram Taluk in Karur District at an estimated cost of Rs.185.26 crore is in progress. 20% of the works have been completed.

#### **8.6. Renovation of Tanks**

##### **Works Completed**

Rehabilitation of the Reddiapatti Tank, Karikali Tank and Uthandampatti Tank in Thuraiyur and Musiri Taluks in Tiruchirappalli

District at an estimated cost of Rs.2.45 crore has been completed to benefit an ayacut of 419.70 acre.

### **Works in progress**

Repair, Renovation and Restoration works in 24 tanks viz., Kottur, Keelakavanavayal, Vasanthani, Surakudi, Kulathur, Sengulam, Chinna Kambani, Varivayal Sirumaruthur, Matti, Karadi, Nagamangalam, Nedumani, Panankattanvayal, Kannikudi, Udayanvayal, Thuttakudi, Kachakudi, Anaiyadi, Sathanankudi, Manikarambai, Kodakudi, Poodhankudi, Kanakkanvayal in Devakottai, Karaikudi and Thiruppathur Taluks of Sivagangai District at an estimated cost of Rs.10.29 crore is in progress.

Repair, Renovation and Restoration works in 7 tanks viz., Thanichiyam, C.Vagaikulam, Karumal, Theriruvveli Big, Mudhukulathur, Vilangalathur and Ervadi in Kadaladi and Mudukulathur Taluks of Ramanathapuram District at an estimated cost of Rs.7.30 crore is taken up for implementation.

Repair, Renovation and Restoration works in 10 tanks viz., Chatrampuliyankulam, Kovilankulam, Ulakkudy Big & small, Panaikudi, P.Pudupatti, Panikurippu, Kambikudi, Aviyur West, Puliyooran and Kilavanery in Kariapatti, Aruppukottai and Thiruchuli Taluks of Virudhunagar District at an estimated cost of Rs.11.90 crore is in progress.

Reclaiming and Rejuvenating the Kolavoy Lake in Chengalpattu Taluk and District for Augumentening Drinking water supply to the extended Chennai Urban and Chengalpattu areas an estimated cost of Rs.60.00 crore is in progress. 15% of the works have been completed.

Short Term Plan for Restoration of Korattur Tank is taken up for implementation at an estimated cost of Rs. 2.82 crore.

Restoration of the Sarkar Samarkulam Tank to its original standards in Annur Kurumbapalayam Village of Annur Taluk of Coimbatore Sub Urban of Coimbatore District at an estimated cost of Rs. 5.58 crore to benefit an ayacut of 108.95 acre is in progress. 10% of the works have been completed.

Augmenting the storage capacity of the Perumal Tank in Kurinjipadi Taluk of Cuddalore District at an estimated cost of Rs. 119.78 crore is taken up for implementation to benefit an ayacut of 6503 acre.

Eco Restoration and Protection of Peerkankaranai Tank in Tambaram Taluk of Chengalpattu District at an estimated cost of Rs.9.81 crore is in progress. 65% of the works have been completed.

Repair and Replacement of Roller arrangement, bottom and sides seal arrangement, modification of docking plane, primary coating and Coal tar epoxy in 19<sup>th</sup> vent and 5<sup>th</sup> vent in Chembarambakkam Tank in Sriperumbudur Taluk (now Kundrathur Taluk) of Kancheepuram District at an estimated cost of Rs.2.24 crore is in progress. 65% of the works have been completed.

Desilting, Strengthening of Banks, Restoration of Supply channel and Formation of Foot path in Tallakulam Puthukulam Tank in Madurai North Taluk of Madurai District at an estimated cost of Rs.0.88 crore is in progress, to benefit an ayacut of 13.79 acre.

Reclamation of Kodikulam Tank existing within the corporation limit in Madurai North Taluk of Madurai District at an estimated cost of Rs. 0.82 crore is in progress, to benefit an ayacut of 93.85 acre.



Reclamation of Vandiyur Tank to its original standards existing within the corporation limit in Madurai North Taluk of Madurai District at an estimated cost of Rs. 0.68 crore is in progress, to benefit an ayacut of 516.13 acre.

Reclamation of Andaneri Tank to its original standards existing within the corporation limit in Madurai North Taluk of Madurai District at an estimated cost of Rs. 0.66 crore is in progress, to benefit an ayacut of 73.19 acre.

Construction of Additional vents across the supply channel of the Ramanathapuram Big Tank in Ramanathapuram District at an estimated cost of Rs. 9.94 crore is in progress.

Rehabilitation and Improvements to the Seevalaperi Tank in Seevalaperi Village of Palayamkottai Taluk in Tirunelveli District at an estimated cost of Rs. 0.90 crore to benefit an ayacut of 629.75 acre is in progress. 90% of the works have been completed.

Reclaiming Kazhuvveli tank for storage of fresh water and sea water intrusion control measures and recharge shaft Well / Shafts in Marakanam Taluk of Villupuram District at an estimated cost of Rs.161.00 crore is in progress. 22% of the works have been completed.

Reconstruction of the Mulai sluice (No.4) in the Kaveripakkam Tank of Cheri Village in Nemili Taluk of Ranipet District at an estimated cost of Rs. 1.03 crore is taken up for implementation to benefit an ayacut of 711.00 acre.

Restoration/ Rehabilitation of 31 Minor Irrigation Tanks in Sivagangai and Ramanathapuram Districts at an estimated cost of Rs.14.42 crore is taken up for implementation to benefit an ayacut of 1679.575 acre.

Rehabilitation of the Vettakudi Tank in Karaiyavetti Village in Ariyalur Taluk and District at an estimated cost of Rs. 4.925 crore is in progress, to benefit an ayacut of 3385.00 acre. 95% of the works have been completed.

Rehabilitation of Vaiyapuri Tank & Sirunaikankulam, formation of foreshore bund with fencing arrangements and removal of encroachments around the Arulmigu Dhandayuthapani Temple at Palani, Dindigul District at an estimated cost of Rs. 4.72 crore is in progress, to benefit an ayacut of 119.7 acre. 65% of the works have been completed.

Rehabilitation of the Surplus Course and Sluice of Thoivalai Periakulam at Thoivalai Village in Thoivalai Taluk of Kanyakumari District at an estimated cost of Rs. 0.84 crore is in progress, to benefit an ayacut of 82.02 acre. 90% of the works have been completed.

Modernisation of the R.S.Mangalam Big Tank in R.S.Mangalam Taluk of Ramanathapuram District at an estimated cost of Rs. 18.82 crore is in progress, to benefit an ayacut of 12141.68 acre. 57% of the works have been completed.

Rehabilitation and Improvements to 79 Benefiting Tanks and Ponds under the scheme of Providing Surplus water of the Mettur Reservoir by Lift Irrigation in Salem District at an estimated cost of Rs. 42.10 crore is in progress. 61% of the works have been completed.

Repair, Renovation and Restoration works in 9 tanks viz., Thamaraiikulam, Puliyanikulam, Karunkulam, Rengasamudram, Periyakulam, Kattuperiyakulam, Avichipatty Poolankulam, Vadikulam and Thamaraiikulam (Narasingapuram) in Authoor and Natham Taluks of Dindigul District is taken up for implementation at an estimated cost of Rs.4.17 crore.

Repair, Renovation and Restoration works in 9 tanks viz., Agravaram, Ammanankuppam, Melmoil, Netteri, Oliyathur, Thirumani Ponniamman, Veppanganeri, Vickramachi and Virinjipuram in Gudiyatham, K.V.Kuppam and Anaicut Blocks of Vellore District is taken up for implementation at an estimated cost of Rs.3.14 crore.

Repair, Renovation and Restoration works in 3 tanks viz., Alapakkam, Karnavor and Valayathur in Kaveripakkam and Timiri Blocks of Ranipet District is taken up for implementation at an estimated cost of Rs.1.50 crore.

Repair, Renovation and Restoration works in 6 tanks viz., Alapuram, Dindal, Dobaipallam, Harur, Big Vachathi and Varatupallam in Pappireddipatti, Karimangalam, Harur and Pennagaram Blocks of Dharmapuri District is taken up for implementation at an estimated cost of Rs.5.01 crore.

Repair, Renovation and Restoration works in 4 tanks viz., Athimugam Thalavai Cheruvu, Govinda goundan, Kuppamma and Siddhaya Goundan in Shoolagiri and Thally Blocks of Krishnagiri District is taken up for implementation at an estimated cost of Rs.3.83 crore.

Repair, Renovation and Restoration works in 3 tanks viz., Attrambakkam, Koduvelli and Kottaiyur Kadapari in Poondi, Ellapuram

and Kadambathur Blocks of Tiruvallur District is taken up for implementation at an estimated cost of Rs.1.52 crore.

Repair, Renovation and Restoration works in 4 tanks viz., Mattavettu, Mudalaimadai, Perumballam Big and Vayaloor in Kalasapakkam, Thandarampet, Cheyyar and Kilpennathur Blocks of Tiruvanamalai District is taken up for implementation at an estimated cost of Rs.2.58 crore.

Repair, Renovation and Restoration works in 6 tanks viz., Eraiyanur, Kiledaiyalam, Melmalayanur, Narerikuppam, Perumbakkam and Vilangampadi in Marakkanam, Melmalyanur, Mailam and Kanai Blocks of Villupuram District is taken up for implementation at an estimated cost of Rs.4.02 crore.

Repair, Renovation and Restoration works in 2 tanks viz., Mudiyanur and Pu.Konalavadi in Thiyagadurgam and Ulundurpet Blocks of Kallakurichi District is taken up for implementation at an estimated cost of Rs.0.88 crore.

Repair, Renovation and Restoration works in Virupachi kanakan tank in Kurinjipadi Block of Cuddalore District is taken up for implementation at an estimated cost of Rs.0.42 crore.

Repair, Renovation and Restoration works in 7 tanks viz., Achankulam, Ayyanarkulampatti, Ayyanaroothu, Kaliyavoor, Melacheriyanthur, Therkkukalmedu and Veppalodai in Kayathar, Karungulam and Ottapidaram Blocks of Thoothukudi District is taken up for implementation at an estimated cost of Rs.3.39 crore.

Repair, Renovation and Restoration works in 10 tanks viz., Alanganur, Arunkulam, Kakkoor, Kallikudi, Kamuthakudi, Keelakodumalur,

Perungarai, Posukudi, Pudhukudi and Valanadu in Mudukulathur, Paramakudi and R.S. Mangalam Blocks of Ramanathapuram District is taken up for implementation at an estimated cost of Rs.10.34 crore.

Repair, Renovation and Restoration works in 24 tanks viz., Alathi, Alimadurai, Ariyandipuram, Athikarai, Emaneshwaram, Kakkattiruppu, Kanjipatty, Kanjiram, Koothakudi, Maringipatti, Muppiyur, Nandhanur, Nedungulam, Palkulam, Pattathi, Perumbalai, Selugai, Sengulam, Siramam, Thavasikudi, Udayanur, Valakani, Vallakulam and Velarendall in Kallal, Ilaiyankudi, Kalayarkoil and Devakottai Blocks of Sivagangai District is taken up for implementation at an estimated cost of Rs.16.78 crore.

Repair, Renovation and Restoration works in Chattirapatti Therkkulam tank in Kuruvikulam Block of Tenkasi District is taken up for implementation at an estimated cost of Rs.0.35 crore.

Repair, Renovation and Restoration works in Saptur Periya Kanmoi in Sedapatti Block of Madurai District is taken up for implementation at an estimated cost of Rs.0.80 crore.

Repair, Renovation and Restoration works in Siguodai Tank in Theni Block of Theni District is taken up for implementation at an estimated cost of Rs.0.40 crore.

Repair, Renovation and Restoration works in Sitharkulam Tank in Srivilliputhur Block of Virudhunagar District is taken up for implementation at an estimated cost of Rs.0.20 crore..

Repair, Renovation and Restoration works in 27 tanks viz., Aranikulam, Ayakudikulam, Ayyan Kanmoi, Isugu Kanmoi, Karamangalam Kanmoi, Kulathukulam, Maniyakulam, Mattangal

Periya Eri, Mosakudi Periyakulam, Neduvakulam, Neriyakulam, Odukkur Periyakulam, Palaiyakanmoi, Parambur Periyakulam, Periyakulam (Mathiyanallur), Periyakulam (Valamangalam), Piramakulam, Pudukulam Tank (Kallakottai), Rapoosal Periyakulam, Sundarakulam, Tayini kulam, Thuvar Chinna Eri, Thuvar Periya Eri, Vagavasal Periyakulam, Varappur Periyakulam, Veerapatty Periyakulam and Visali kanmoi in Kunnandarkoil, Arimalam, Thiruvarangulam, Karambakudi, Gandarvakottai, Annavasal and Pudukkottai Blocks is taken up for implementation at an estimated cost of Rs.14.08 crore.

Repair, Renovation and Restoration works in 5 tanks viz., Maravanur, Nellikulam, Samudram, Sevalur and Vembanur Big in Manapparai and Marungapuri Blocks in Trichy District is taken up for implementation at an estimated cost of Rs.2.67 crore.

## **8.7. Rehabilitation of Canals / Supply Channels**

### **Work Completed**

Construction of a Protection wall on the Left bank of the Vellachi Odai in Mangalam Village in Madurai East Taluk of Madurai District at an Estimated cost of Rs. 0.66 crore has been completed to benefit an ayacut of 112 acre.

Desilting of Mordhana Right main canal, Left main canal and Saduperi Tank supply channel in Vellore District at an estimated cost of Rs.0.48 crore has been completed.

Rehabilitation of the P.T.Rajan Channel and Balakrishnapuram Branch Channel in Theni District at an estimated cost of Rs.19.71 crore has been completed to benefit an ayacut of 8866 acre.

Modernisation of Pudu Anicut Channel in Genguvarpatti Village of Periyakulam Taluk in Theni District at an estimated cost of Rs.10.52 crore has been completed to benefit an ayacut of 293 acre.

Modernisation of the Kesavapuram Tank Supply Channel (LS 1900m to 2820m) in Narayanathevanpatti Village of Uthamapalayam Taluk in Theni District at an estimated cost of Rs.4.93 crore has been completed to benefit an ayacut of 104 acre.

Rehabilitation of Kugalur Distributary from mile 0/0 to tail end of Lower Bhavani Project Main Canal in Gobichettipalayam and Bhavani Taluks of Erode District at an estimated cost of Rs.5.80 crore has been completed to benefit an ayacut of 9752 acre.

Rehabilitation of the Thirumangalam Main Canal Branch-1 in Usilampatti Taluk of Madurai District at an estimated cost of Rs.6.83 crore has been completed to benefit an ayacut of 19440 acre.

### **Works in progress**

Special Repairs to the Link Canal of Krishna Water Supply Project in Thiruvallur District for the year 2020-2021 at an estimated cost of Rs.1.04 crore is in progress. 50% of the works have been completed.

Rehabilitation of Supply Channels of Kottur Avarampatti Thamaraikulam Tank at Aagaram Village of Dindigul West Taluk of Dindigul District is taken up for implementation at an estimated cost of Rs.4.25 crore to benefit an ayacut of 216.59 acre.

Rehabilitation of Parambikulam Main Canal from LS 36.000 km to 39.500 km in Pollachi Taluk of Coimbatore District at an estimated cost

of Rs.2.37 crore is in progress, to benefit an ayacut of 284000 acre. 80% of the works have been completed.

Rehabilitation of the Irrigation Sluices from mile 1/2 to 20/1 in Arakkankottai Channel and its Branches in Gobi Taluk of Erode District at an estimated cost of Rs. 3.75 crore is in progress, to benefit an ayacut of 6850 acre. 87% of the works have been completed.

Rehabilitation of Ayanpappakudi Tank Channel in Avaniyapuram Village in Madurai South Taluk of Madurai District at an estimated cost of Rs.7.14 crore is in progress, to benefit an ayacut of 2390.65 acre. 90% of the works have been completed.

Desilting of the Minnathur Periyakulam Surplus Course and Providing Retaining Walls from Minnathur Periyakulam in Minnathur Village of Kulathur Taluk to Gandarvakottai Village and Taluk in Pudukkottai District at an estimated cost of Rs. 1.128 crore is in progress, to benefit an ayacut of 206.26 acre. 60% of the works have been completed.

Rehabilitation of Puthiragoundan palayam Tank Supply Channel from L.S. 0.980 Km to 2.700 Km in Puthiragoundan palayam Village of Pethanaicken Palayam Taluk in Salem District at an estimated cost of Rs. 8.91 crore is taken up for implementation to benefit an ayacut of 601.15 acre.

Strengthening the slipped and damaged portions at various places of Kandaleru-Poondi canal between LS 3.88 km to 10.00 km of Krishna Water Supply Project in Uthukottai Taluk of Thiruvallur District at an estimated cost of Rs.24.79 crore is in progress. 50% of the works have been completed.



Rehabilitation of the Thirukannamangai Channel including repairs to all Cross Masonries, Bank Protection and Strengthening the Bunds of the System in Thiruvarur Taluk and District at an estimated cost of Rs.2.80 crore is in progress. 75% of the works have been completed.

Rehabilitation of the left out reaches Contour Canal from LS 30.100 km to 49.300 km in Udumalpet Taluk of Tiruppur District at an estimated cost of Rs.72 crore is in progress.

Rehabilitation and improvements to the Nandan canal from LS 0 m to 12.4 km in Thiruvannamalai and Kelpennathur Taluks in Thiruvannamalai District at an estimated cost of Rs.7.26 crore is in progress, to benefit an ayacut of 1835.15 acre. 50% of the works have been completed.

Rehabilitation and Improvements to Chinnayempettai Anicut Supply Channel, balance portion of Thanipadi Anicut Supply Channel and the Mud Kondam across Pambar River in Thanipadi Village in Thandarampattu Taluk of Tiruvannamalai District at an estimated cost of Rs.4.95 crore is in progress, to benefit an ayacut of 743.58 acre. 50% of the works have been completed

Improvements to the Nandhan Canal from L.S.12.400 km to L.S.37.880 km in Gingee, Vikkaravandi and Villupuram Taluks of Villupuram District at an estimated cost of Rs.26.57 crore is in progress, to benefit an ayacut of 5255 acre. 45% of the works have been completed.

Renovation of the Malattar Channel from from LS 24000m to 40000m in Ulundurpet and Panruti Taluks of Villupuram and Cuddalore Districts

at an estimated cost of Rs.15.05 crore is in progress, to benefit an ayacut of 20000 acre. 95% of the works have been completed.

Renovation of the Malattar channel from from LS 0m to 24000m from Tirukoilur Anicut in Tirukoilur and Ulundurpet Taluks of Villupuram District at an estimated cost of Rs.7.53 crore is in progress, to benefit an ayacut of 4909 acre. 50% of the works have been completed.

## **8.8. Rehabilitation of Check Dam / Bed Dam**

### **Work Completed**

Rehabilitation and Improvement works of the flood damaged portion of the Checkdam across the Kosasthalaiyar River near Thirukandalam Village in Uthukottai Taluk in Thiruvallur District at an estimated cost of Rs. 18.18 crore has been completed.

## **8.9. Rehabilitation of Roads / Bridges / Culverts**

### **Work Completed**

Permanent Restoration of damaged roads and Retaining walls due to Flood on the left and Right sides of River Bridge at Parambikulam Dam of Parambikulam Aliyar Project in Chittur Taluk of Palghat District at an estimated cost of Rs. 2.46 crore has been completed.

### **Works in progress**

Rehabilitation and Improvements to the flood damaged approach road leading to the Sholayar Dam Tunnel exit near Manampalli of Valparai in Coimbatore District at an estimated cost of Rs.6.20 crore is in progress. 80% of the works have been completed.

## **8.10. Rehabilitation of Buildings / Parks**

### **Works in progress**

Rehabilitation of Park in Holdsworth anicut and construction of annexe building in kadayakudi Village in Thirumayam Taluk in Pudukottai District at an estimated cost of Rs. 0.86 crore is in progress. 62 % of the works have been completed.

Providing Landscapping 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. 90% of the works have been completed.

Renovation of Dormitory Block - II at Thekkady in Idukki District at an estimated cost of Rs.0.50 crore is in progress.

Conversion of AC Roof into RCC Roof for the Project House in PAP Colony at Vettaikaranpudur in Anaimalai Taluk of Coimbatore District is taken up for implementation at an estimated cost of Rs. 0.47 crore.

Conversion of AC Roof into RCC Roof for the Assistant Engineer Quarters in PAP Colony at Vettaikaranpudur in Anaimalai Taluk of Coimbatore District is taken up for implementation at an estimated cost of Rs. 0.30 crore.

Conversion of Mangalore Tiled Roof into RCC Roof for Junior Engineer Quarters & IB in PAP Colony at Sulthanpet in Suler Taluk of Coimbatore District is taken up for implementation at an estimated cost of Rs. 0.30 crore.

## **8.11. Standardisation / Restoration of Rivers / River Banks**

### **Works Completed**

Rehabilitation with River Training and River Bank Protection of the River Nallar within the urban limits of Avinashi Town in Tiruppur District at an estimated cost of Rs. 4.60 crore has been completed.

Construction of Protection Wall on the Left Bank of the Kollidam River near Akkarai Jeyakondapattinam in Chidambaram Taluk in Cuddalore District at an estimated cost of Rs.14.74 crore has been completed to benefit an ayacut of 1173 acre.

Rehabilitation and Improvements to the Sarabanga Nadhi from LS 42.80 Km to 43.30 Km in Edappadi Town in Edappadi Taluk of Salem District at an estimated cost of Rs. 4.45 crore has been completed.

### **Works in progress**

Construction of Bathing Ghat and Protection wall along the Cauvery River in A.Iraiyamangalam Village of Tiruchengode Taluk in Namakkal District to be taken up for implementation at an estimated cost of Rs.0.30 crore for public benefit. 70 % of the works have been completed.

Rehabilitation and Improvements to the Sarabanga Nadhi from LS 43.30 Km to 43.80 Km in Edappadi Town in Edappadi Taluk of Salem District at an estimated cost of Rs.4.45 crore to benefit an ayacut of 440 acre. 75 % of the works have been completed.

Standardisation of the Goundanathi River from Thirali Anicut to Arasapatti Anicut in Thirumangalam Taluk of Madurai District at an estimated cost of Rs.2.45 crore, preliminary works are in progress.

## **9.0. Kudimaramath - Water Bodies Restoration with Participatory Approach**

The Government have launched the Kudimaramathu scheme on 13.03.2017. During 2016-17, 2017-18, 2019-20 and 2020-21, 6,211 works at an amount of Rs.1417.72 crore in 34 Districts of the State were taken up for implementation. In that, 5,900 works were completed and remaining works are in various stages of implementation.

## **10.0. Flood Protection Works**

### **10.1. Long term Flood Mitigation Works**

Long term flood mitigation works in very high vulnerable areas of in Chennai, Kancheepuram, Tiruvallur and other coastal Districts have been taken up for implementation in phases. In first phase, 16 works in Araniyar, Kosasthalaiyar, Cooum, Adyar and Kovalam sub basins were completed at an estimated cost of Rs.100.10 crore. In the second phase, 11 works have been taken up for an amount of Rs. 183.63 crore, in which 9 works were completed, 2 works are in progress. Regrading the bed of Lower Paravanar and formation of a new flood Diversion Canal from Aruvamooku Stretch in Kurinjipadi Taluk in Cuddalore District for an amount of Rs. 67.80 crore is under consideration.

## **Works Completed**

### **Phase II**

Modernisation of Keelkattalai surplus course from Keelkattali Tank to Narayanapuram Tank in Sholinganallur Taluk of Chennai District has been completed at an estimated cost of Rs.16.76 crore.

## **Works in progress**

### **Phase II**

Formation of Reservoir across Orathur tributary of Adyar River with Intra-Basin transfer canal for water supply augmentation and flood mitigation near Orathur village in Sriperumbudur Taluk of Kancheepuram District at an estimated cost of Rs.55.85 crore is in progress.

Formation of a Riverine Reservoir across Adyar River near Varatharajapuram Village of Sriperumbudur Taluk in Kancheepuram District at an estimated cost of Rs.11.12 crore is in progress.

## **Other Works**

### **Works in progress**

Providing Emergency Flood Relief (by constructing flood mitigation structures) to the people residing in and around the flood plain of Adyar River near Tambaram in Kancheepuram and Chengalpattu Districts at an estimated cost of Rs.70.05 Crore and the preliminary work is in progress.

## **11.0. Coastal Protection Works**

### **Works Completed**

Construction of RMS Wall at Seeniyappa Dharga in Mandapam Block of Rameswaram Taluk in Ramanathapuram District at an estimated cost of Rs.11.15 crore has been completed under NABARD.

Construction of RMS wall at Mullimunai Village in Thiruvadanai Block and Taluk in Ramanathapuram District at an estimated cost of Rs.4.22 crore has been completed under NABARD.

Construction of RMS wall to safeguard the houses and graveyard of Helen Colony Hamlet in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.1.06 crore has been completed under NABARD.

Construction of Groynes at Alanthalai village in Thiruchendur Taluk of Thoothukudi District at an estimated cost of Rs.52.46 crore has been completed under State Fund.

### **Works in progress**

Extension of Groynes G1, G2 at Keelavaippar Village in Vilathikulam Taluk of Thoothukudi District at an estimated cost of Rs.15.20 crore is in progress under State Fund. 5% of work has been completed.

Construction of 7 Groynes at Poothurai in Vilavancode Taluk of Kanniyakumari District at an estimated cost of Rs.14.69 crore is in progress under NABARD. 55% of work has been completed.

Construction of Series of Groynes at Azhikal in Agasteeswaram Taluk of Kanyakumari District at an estimated cost of Rs.9.376 crore is taken up for implementation under NABARD.

Extension of Groyne at Kovalam Hamlet in Agasteeswaram Taluk of Kanyakumari District at an estimated cost of Rs.11.02 crore is taken up for implementation under NABARD.

Construction of Groyne at Periyamayagi Street in Agasteeswaram Taluk of Kanyakumari District at an estimated cost of Rs.6.948 crore is taken up for implementation under NABARD.

Construction of Series of Groynes at Enayam in Vilavancode Taluk of Kanyakumari District at an estimated cost of Rs.8.123 crore is taken up for implementation under NABARD.

Construction of Series of Groynes at Melmidalam in Vilavancode Taluk of Kanyakumari District at an estimated cost of Rs.9.354 crore is taken up for implementation under NABARD.

Construction of Groyne at Pozhikarai Village in Agasteeswaram Taluk of Kanyakumari District at an estimated cost of Rs.10.118 crore is taken up for implementation under NABARD.

## **12.0. Desilting of Dams and Water Bodies**

### **12.1. Cauvery Delta Desilting**

For the year 2021-2022, the Government accorded sanction for 647 works to desilt the rivers, channels and drains in Cauvery Delta for an estimated cost of Rs.65.10 crore in Karur, Trichy, Ariyalur, Thanjavur, Thiruvarur, Nagapattinam, Mayiladuthurai, Pudukkottai and Cuddalore Districts. In addition, 31 Desilting works sanctioned on 29.10.2021 for an estimated amount of Rs.1.80 crore in Cuddalore District has been completed.



## **12.2. Desilting of Vaigai, Pechipparai, Mettur, Amaravathy, Wellington, Gundar, Ramanadhi, Parappalar, Vidur Reservoirs and Srivaikundam Anicut**

The status of the Detailed Project Report for Desilting of Vaigai, Pechipparai, Mettur, Amaravathy, Wellington, Gundar & Ramanadhi Reservoirs are as follows:

### **Vaigai Reservoir**

Detailed estimate for an amount of Rs.9.00 crore with Revenue Generation Rs.197.83 crore is under consideration of Government. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Pechipparai Reservoir**

Detailed Estimate for an amount of Rs.5.12 Crore with Revenue Generation of Rs.89.87crore is under consideration of Government. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Mettur Reservoir**

Detailed Estimate for an amount of Rs.64.45Crore (non revenue model) to desilt 141.48 M.cft is under consideration of Government. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Amaravathy Reservoir**

Detailed Estimate for an amount of Rs.6.30 crore with Revenue Generation Rs.161.47crore is under consideration. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Wellington Reservoir**

Detailed Estimate in Non-Revenue model for an amount of Rs.120.00 Crore is under consideration. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Gundar Reservoir**

Detailed Estimate in Non- Revenue for an amount of Rs.2.00 crore is under consideration. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc., for desilting is under preparation.

### **Ramanadhi Reservoir**

Detailed Estimate in Non- Revenue model for an amount of Rs.5.00 crore is under consideration. A comprehensive DPR, by engaging a qualified consultant for assessing silt composition, quantity, methods to be adopted etc.,for desilting is under preparation.

### **12.3. On going Desilting Works**

#### **Srivaikundam Anicut**

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

#### **Parappalar Reservoir**

For restoring the capacity of Parappalar Reservoir desilting works, Administrative Sanction obtained for an amount of Rs. 40.00 lakh and Environmental clearance is awaited from SEIAA.

#### **Vidur Reservoir**

For restoring the capacity of Vidur Reservoir desilting work, Administrative Sanction obtained for an amount of Rs. 42.44 Crore. 26% of work completed.

### **12.4. Desilting of Chennai City drinking water supply tanks**

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

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

Redhills tank in Madhavaram Taluk at an estimated cost of Rs.9.90 crore is to be taken up for implementation.

### **13.0. Schemes under Investigation**

Surveying and levelling Operations have been completed for Interlinking of Amaravathi River, Shanmuganadhi, Varadhamanadhi, Nallathangalodai and Nanganjar rivers Feasibility report is under the consideration.

Surveying and Levelling operations have been completed for Construction of Barrage across the River Kollidam at Mathirivelur Village in Kollidam Block of Mayiladuthurai District and Nalamputhur Village in Komaratchi Block of Cuddalore District. The revision of estimate incorporating the remarks and observations of the Government is in progress.

Surveying and levelling Operations have been completed 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 and estimate sent to Government for an amount of Rs.84.92 crore. Estimate is under the consideration. Land Acquisition is in progress.

Surveying and Levelling operations have been completed for Pumping the surplus flood water of Pennaiyar river from Echampadianicut to feed tanks and ponds in Morappur, Pappireddipatti and Harur Unions of Dharmapuri District and estimate prepared for an amount of Rs.401.00 crore. Estimate is under the consideration.

Surveying and Levelling operations have been completed for the scheme of diversion of flood water from Maniyachipallam Odai to Varattupallam reservoir in Andhiyur Taluk of Erode District. Since the proposal was found to be hydrologically not feasible, a technical

feasibility report comprising alternate 4 proposals are under consideration.

Surveying and Levelling Operations have been completed for formation of a reservoir across Pennaiyar River at the Confluence point of Chinnar river at Vanniottu near Sikalapalli Village in Hosur taluk of Krishnagiri District and rough cost for an amount of the Rs.788.00 lakhs is under consideration.

Surveying and Levelling operations have been completed for Formation of reservoir across Thadavaiyar in Gnalam Village of Thovalai taluk in Kanyakumari District. Preparation of detailed design and drawings are in progress.

Surveying and Levelling operations have been completed for Construction Of Barrage across Thamiraparani River near Athalanallur Village in Cheranmahadevi Taluk of Tirunelveli District. Detailed estimate for an amount of Rs.135.00 crore is under consideration.

Surveying and Levelling operations have been completed for Construction of Barrage across Thamiraparani River near Thiruvengadanathapuram Village in Palayamkottai Taluk of Tirunelveli District. Detailed estimate for an amount of Rs.73.55 crore is under the consideration.

Surveying and Levelling operations have been completed for Construction of Barrage across Thamiraparani River in Thirumalaikolunthupuram Village of Palayamkottai Taluk and Kuppakurichi village of Tirunelveli Taluk in Tirunelveli District. Detailed estimate for an amount of Rs.215.00 crore is under consideration.

Surveying and Levelling operations have been completed for Construction of Diversion Weir across Nambiyar river and excavating a new canal to divert the flood water to Kuttam and surrounding areas in Radhapuram Taluk of Tirunelveli District. Preparation of Detailed design and drawing is under progress.

Surveying and Levelling operations have been completed for construction of Tail End structure across Coleroon river to arrest sea water intrusion at Thirukazhipalai village of Chidambaram taluk in Cuddalore district and Alakudy village of Sirkalitaluk in Mayiladuthurai District. Detailed estimate for an amount of Rs.580.00 crore is under consideration of the Department.

Detailed investigation works are in progress for formation of flood carrier canal from Thamiraparani river in the upstream side of Seevalaperi Check dam to drought prone area of Srivaikundam, Ottapidaram, Ettayapuram and Vilathikulam Taluks by intra linking of UpparOdai, Malattar River and Vaippar river in Thoothukudi District at an amount of Rs. 40.00 Lakh is in progress.

Surveying and Levelling operations have been completed for linking of Pennaiyar (Sathanur) – Cheyyar – Palar and augmenting Nandan channel. The scheme is proposed in 2 phases. Estimate for Phase – I of the scheme (i.e) for “Excavation of canal to feed 22 tanks in Tiruvannamalai District and augmenting supply to Nandan channel”, was prepared for an amount of Rs.229.35 crore and is under consideration. Depending upon the improvement related to hydrology of Pennaiyar Phase – II of the scheme will be considered.

Surveying and Levelling operations have been completed for Formation of Link canal from Erattaikulam to Uthumalai in Veerakeralampudhur Taluk of Tenkasi District. Detailed estimate for an amount of Rs. 52.40 crore is under consideration.

Surveying and levelling operations are in progress for formation of reservoir across Koraiyar river in Vikramasingapuram village of Ambasamudram taluk in Tirunelveli District. Preparation of detailed design and drawing is under progress.

Surveying and Levelling operations are in progress for construction of a small dam across Kalpadai river and a small dam across Pottiyam river to create additional water storage on the upstream side of Gomukhi dam in Chinnasalem Taluk of Kallakurichi District.

Surveying and Levelling operations are in progress for recharging groundwater in areas surrounding Koraiyar and Malattar by using the excess flood water from Pennaiyar River near Andrayanallur Village in Thirukovilur Taluk of Kallakurichi District.

Surveying and Levelling operations are in progress for Pumping the flood surplus water of Cauvery river from Mayanur barrage in Karur District to feed possible tanks in Vedasandur taluk of Dindigul District.

Surveying and Levelling operations are in progress for Pennaiyar (Nedungal) – Palar link project for diverting excess flow from Pennaiyar river of Krishnagiri District to Palar River in Vaniyambadi taluk of Vellore District.

## **14.0. Irrigation Management Training Institute**

During this financial year (2021-2022), training courses (conventional and virtual mode) on Usage of M-Sand in Construction of Irrigation Structures, River Training Works, IFHRMS, Coastal Protection Structures, Design of Check Dam, RTI Act 2005, GST, Performance Evaluation of Irrigation Systems, Construction Project Management, Water Resources Management, Mastering Communication Skills, Village Vision Building in Water Management, MS-Office, Basic GIS, AutoCAD, Climate Change Adaptation and Mitigation Measures, Orientation Training, Disaster Management, Eviction of Encroachment, Stress Management, Magic of Think BIG, etc. were organized by this Institute. Study Tour Programmes on Polavaram Project - Andhra Pradesh, Thamirabarani – Kodayar Basin, Palar – Pennaiyar Basin were also conducted. A Faculty Development Programme on “Environment & Watershed Management through Agro-Forestry Approaches” was organized for IMTI Faculty Members at Forestry College and Research Institute, Mettupalayam. Apart from this, 2 Nos of Training Programmes on “Water Resource Planning and Management” for the newly recruited Engineers of PWD & WRD of Maharashtra State were organized.

Under TNIAMP, about 5 Nos of training programmes were organized on PIM for Competent Authorities of WRD. 2 Nos of Refresher Training Programmes were conducted for AE / AEE and other Staff of SM & R, Chennai.

Under Pandemic protocols, with technology to rescue, a series of webinars were conducted for farmers namely, SRI (System of Rice Intensification), INM, IPM, IFS, Micro Irrigation, Soil and Water



Management etc., As a need based issue webinars on RWF (Rugose Whitefly) in Coconut was also conducted. With corona spread declining and with relaxed terms by the Government, regular trainings were taken up in conventional mode on Improved Crop Production and Protection Technologies, Water Management, Rain Water Harvesting, IFS, Role of Organic Measures, Value Addition in Millet Crops, Traditional Paddy Activation etc., JLOs / MLOs officials were also trained on Climate Smart Pest Management. Officials from Government Departments, Scientists from Agricultural Colleges, Scientists from Agricultural Colleges, Agricultural Entrepreneurs were invited for imparting training to farmers.

The training programmes on “Capacity Building” to field staff of WRD were also organized in the ARP Unit, Thiruvarur.

During this Financial Year 2021-2022, 137 Nos of training programmes (conventional and virtual mode) were conducted and about 5787 participants (Officials of WRD, Department of Agriculture and Agriculture Engineering Department and Farmers) were benefited.

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

Categorization of the Revenue Firkas in the State based on the Estimation of the Dynamic Groundwater Resources as on March, 2020 has been approved by the Government of Tamil Nadu on 28.10.2021. Accordingly, 1,166 Firkas in Tamil Nadu are classified into 5 categories viz. 435 Firkas as Over Exploited, 63 Firkas as Critical, 225 Firkas as Semi Critical, 34 Firkas as Saline/ Poor Quality and 409 Firkas as Safe.

During the year 2021-2022, the observed water levels in 3,170 nos. of open wells and 1,578 nos. of piezometers across the State show an average rise of 2.66 meters in 35 districts, average fall of 0.02 metres in 2 districts. No change in water level in 1 district.

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

For identification of Aquifer boundaries the Geological, Geophysical and Hydro geological survey were conducted and the data is being collected, analyzed and documented and the above data is shared to Central Ground Water Board, Chennai for the Aquifer Mapping study.

## **16.0. Institute for Water Studies, Hydrology and Quality Control (IWS, H & QC)**

The Institute for water studies, Hydrology & Quality Control operates a remote sensing center which oversees the terrestrial water resources of the river basins and their associated geographical data through satellite-based maps, and plans to report their details to the line departments.

The Institute for water studies, Hydrology & Quality Control is engaged in the task of evaluating the water resources in the river basins of Tamil Nadu on the basis of scientifically sophisticated research, planning and management for future needs.

Currently, research work for the year 2021-2022 is being carried out on the micro level re-evaluation and study preparation required for water resources management and planning in the Agniyar Basin. Research work is also being carried out to identify the bottle necks causing flooding in the Adayar River.

The four quality control divisions are functioning with headquarters at Chennai, Tiruchirapalli, Madurai and Coimbatore for controlling the quality of works executed by the department.

## **17.0. Sand Quarry**

Since 2003, Water Resources Department has been vested with the authority to quarry and sell river sand to the Public in the State of Tamil Nadu. From 2017-2018, Mining and Monitoring Circle at Chennai and five Mining and Monitoring Divisions at Villupuram, Chennai, Trichy, Thanjavur and Madurai are functioning exclusively to streamline the sand quarrying operations across the State.

From July 2017 onwards, several reformatory measures have been introduced in sand quarrying operations in compliance with the “Sustainable Sand Mining Management Guidelines, 2016”. Online system of booking of sand and online mode of payment through web portal ([www.tnsand.in](http://www.tnsand.in)) and Mobile Application (TNsand app) have been introduced from July 2017. The App is being further improved with additional functions. The Government introduced new measures to give importance to the General Public in sand booking online, in a hassle free manner. Action is being taken to soon commence the sale

of River sand from Water Resources Department Sand Depots as per the above order.

### **Imported Sand**

The 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 Water Resources Department of the State Government. Necessary amendment has been made in Tamil Nadu Minor Mineral Concession Rules, 1959 by including a new Rule, 'Rule 38 D' to deal exclusively with 'Import of sand for construction purposes' on 10.04.2018.

The Government have accorded permission for Water Resources Department to import approximately 5.00 lakh Metric Tonnes per month of Natural River Sand for a period of 2 years for construction purposes in the State through the three Ports in Tamil Nadu viz. Kamarajar Port Limited, Ennore, Kattupalli Port, Kattupalli and V.O.Chidambaranar Port, Tuticorin. Further, extension granted up to 20.06.2022.

At present, Natural River sand imported from Malaysia is being sold to the consumers by the Water Resources Department from Kamarajar Port Limited, Ennore and Kattupalli Port, Kattupalli through online booking. Sand imported through 9 vessels has been sold to the public and the 10<sup>th</sup> shipment sale is under progress.

## **18.0. Inter-State Issues**

### **18.1. Cauvery Water Dispute**

The Cauvery Water Disputes Tribunal after detailed hearing delivered its Final Order on 5.2.2007. After hearing the Civil Appeals against the Final Order of the Tribunal, the Hon'ble Supreme Court delivered Judgment on 16.02.2018. On 01.06.2018, Union Government notified the constitution of Cauvery Water Management Authority (CWMA) and Cauvery Water Regulation Committee (CWRC) and the officers have been appointed to the above machinery based on the nominations made by the Union Government and party States. The Union Government has posted Shri S.K. Haldar, former CWC Chairman as full time Chairman of the CWMA on 12.10.2021, and Shri S.K. Haldar, took charge as Chairman, CWMA on 17.11.2021. The Cauvery Water Management Authority held 15 meetings so far. In these meetings, the Government of Tamil Nadu were strongly urged its views on the issues like, getting monthly stipulated flows due to Tamil Nadu, as per the Orders of the Tribunal and as modified by the Hon'ble Supreme Court Judgment, and opposing discussion on Mekedatu Project proposed by Karnataka in order to safe guard the interest of Farmers in the Cauvery basin; etc.

The Cauvery Water Regulation Committee meetings were held 60 times, and in those meetings, the Committee monitored the flow to be ensured at Billigundulu, and other hydrological details in respect of 8 designated reservoirs in the Cauvery Basin.

In the irrigation year 2021-2022, the Mettur dam was opened on the schedule date of 12th June, 2021, for irrigation and successfully supplied water till the end of irrigation season. In this year from 1<sup>st</sup>

June, 2021 to 30<sup>th</sup> March 2022, 252.046 TMC was realised at Billigundulu against the prescribed quantity of 172.169 TMC. The Mettur dam was closed for irrigation on 28.01.2022. At present about 1500 cusecs is let down into the river for Domestic, Industrial needs and Environmental purposes.

## **18.2. Mekedatu Reservoir Project proposed by Karnataka**

In violation of the Judgment of the Supreme Court, Karnataka has prepared the Feasibility Report for Mekedatu Balancing Reservoir cum Drinking Water Project with a capacity of 67.16 TMC, and submitted to CWC on 04.08.2018. Despite TN's objections, CWC has directed the Cauvery Neeravari Nigam Ltd., Karnataka to go ahead with preparation of Detailed Project Report (DPR) on Mekedatu project on 22.11.2018. Hence, on 30.11.2018, Tamil Nadu filed a Miscellaneous Application (MA No.3127 of 2018 in CA No.2453 / 2007) in the Supreme Court, to direct CWC to withdraw the permission given for preparation of the Detailed Project Report for the Project.

When the above proposal of Karnataka was discussed in its 25<sup>th</sup> meeting held on 19.07.2019, because of the objections expressed by Tamil Nadu, the Expert Appraisal Committee for River Valley and Hydroelectric Projects requested Karnataka to resubmit it with the consent of Tamil Nadu.

Further, in the meetings of Cauvery Water Management Authority (CWMA), Tamil Nadu made its strong objection on the proposed Mekedatu project of Karnataka and reiterated that this subject should not be taken for discussion as the matter is subjudice.

In the meanwhile, the National Green Tribunal (Southern Zone) *suo motu* took up the issue and ordered on 21.05.2021 to constitute a

Committee to check on any construction activity without obtaining necessary clearance. The order was disposed off by the National Green Tribunal, Principal Bench New Delhi on 17.6.2021, based on the review application filed by Karnataka, as the matter is sub judice. Since Tamil Nadu was not given an opportunity to file its reply, Tamil Nadu filed a Civil Appeal (CA No. 5608 of 2021) against the above order in the Hon'ble Supreme Court on 11.08.2021. This case is pending.

The Hon'ble Chief Minister of Tamil Nadu presented a Memorandum on host of issues on 17.06.2021, one among them being Mekedatu, and the Hon'ble Chief Minister requested the Hon'ble Prime Minister to advise the Government of Karnataka not to take up the Mekedatu project.

When the Hon'ble Chief Minister of Karnataka in his letter to the Hon'ble Chief Minister of Tamil Nadu dated 03.07.2021, requested to consider the Mekedatu project and proposed a bilateral meeting to clear all apprehensions. The Hon'ble Chief Minister replied on 04.07.2021 stating that the Mekedatu project would affect the interests of the farmers of Tamil Nadu and requested Karnataka not to take up the Mekedatu project.

Further, the Hon'ble Minister of Water Resources Department of Tamil Nadu met the Hon'ble Union Minister for Jal Shakti on 06.07.2021 and presented a Memorandum wherein it was requested to advise the Government of Karnataka not to take up the Mekedatu project.

In the all party meeting held at Chennai on 12.07.2021 under the chairmanship of the Hon'ble Chief Minister of Tamil Nadu, to discuss further course of action on the Mekedatu dam issue, it was

unanimously resolved to urge the Ministry of Jal Shakti, and other concerned Ministries of Union of India not to accord any clearance to the Mokedatu Project of Karnataka.

A delegation of Leaders of all Legislative Parties of Tamil Nadu, led by the Hon'ble Minister of Water Resources, met the Hon'ble Union Minister of Jal Shakti on 16.07.2021 and presented the resolutions passed unanimously in the all party meeting held on 12.07.2021 and reiterated the Union Government not to accord any clearance to the Mokedatu Project of Karnataka without the concurrence of co-basin States.

When it is learnt that Karnataka had approached the Ministry of Environment, Forest & Climate Change for the approval of ToR for EIA/EMP studies, Tamil Nadu filed another Miscellaneous Application with additional documents in the Hon'ble Supreme Court on 27.08.2021, praying to direct CWC to reject the DPR for the proposed Mokedatu Project. This case is also pending.

In the 15th CWMA meeting held on 11.02.2022, Karnataka pressed for discussing this issue and Tamil Nadu objected to it. After deliberations, the Authority decided to obtain legal advice in respect of powers and role of CWMA as to whether the same include or exclude examining/conveying clearance/approval to the projects in Cauvery Basin. Based on the legal advice, appropriate action will be taken.

In the meanwhile, it was learnt that Karnataka has allocated Rs.1000 Crore in its budget for the year 2022-23, for the Mokedatu project. Tamil Nadu Legislative Assembly, on 21.03.2022, strongly condemned this action of Karnataka and unanimously passed the following resolution.



## **Resolution**

“The action of Government of Karnataka, without respecting the final order of Cauvery Water Dispute Tribunal, dated 05.02.2007 and the judgment of the Hon’ble Supreme Court dated 16.2.2018 and also without obtaining the consent of co-basin States and necessary clearances from the Government of India, in proposing to construct Meketadu Dam across Cauvery river, unilaterally, and allocating funds for the same is not acceptable and hence, the action of Government of Karnataka is strongly condemned by this August House.

This August House urges the Union Government not to give Technical and Environmental and any other clearance required for constructing the Meketadu Project by the Government of Karnataka.

Cauvery Water Dispute is a long drawn dispute. As a solution, the Hon’ble Supreme Court delivered its judgment on 16.02.2018 and it is being implemented. This dispute is sensitive between the two States. Therefore, Union Government is requested to advice the Government of Karnataka not to take up the proposal of constructing a reservoir at Meketadu or at any other place in the Cauvery basin without getting the concurrence of the co-basin States and obtaining the clearance from the Union Government.

As per the orders of the Hon’ble Supreme Court dated 18.05.2018, in order to implement the judgment of the Hon’ble Supreme Court dated 16.02.2018, Cauvery Water Management Authority (CWMA) has been constituted. Therefore, the Authority is requested not to consider the Detailed Project Report and not to give permission for the Mekedatu Project.

This August House unanimously support all the actions of Government of Tamil Nadu to prevent the attempt of Government of Karnataka to construct Mekedatu Project, in the interest and welfare of the farmers of Tamil Nadu.”

Subsequently, the Hon’ble Minister for Water Resources of Tamil Nadu wrote a letter to the Hon’ble Union Minister of Jal Shakti on 23.03.2022 requesting not to give permission to the proposed Mekedatu Project of Karnataka and forwarded the resolution passed unanimously in the Tamil Nadu Legislative Assembly on 21.03.2022. This resolution has been forwarded to the Ministry of Jal Shakthi on 24.03.2022.

Further, the Hon’ble Chief Minister of Tamil Nadu presented a Memorandum on 31.03.2022 to the Hon’ble Prime Minister on various issues, including Mekedatu issue, requesting to direct the Ministry of Jal Shakti not to give any clearance to Karnataka for Mekedatu Project or for any other reservoir project of Karnataka and advise Cauvery Water Management Authority also not to give approval for the Mekedatu Project and direct the Government of Karnataka not to take up any new project construction activities in the Cauvery basin of Karnataka without the prior consent of the Government of Tamil Nadu.

The Government of Tamil Nadu is taking all necessary action including legal action to prevent Karnataka from constructing a Dam at Mekedatu or any other place, in the Cauvery basin of Karnataka, in violation of the Final Order of the Tribunal and the Judgment of the Supreme Court to safeguard the rights of Tamil Nadu.

### **18.3.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 27.02.2006, permitted Tamil Nadu to raise the water level in the 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 27.02.2006 among others in its Judgment dated 07.05.2014. As per the Judgment, the water in the Dam reached the permitted level of 142 ft. on three occasions i.e., 21.11.2014, 07.12.2015, 15.08.2018. Further, after the implementation of Rule Curve prepared by the State of Tamil Nadu as per the guidelines of CWC and finalized by CWC, the water level reached +142 ft on 30.11.2021 for the 4th time, since, 2014, and remained in that level for 18 days, since then.

Based on the Judgment dated 07.05.2014, to restore the water level of the Mullai Periyar Dam to 152 ft., the Government of Tamil Nadu sanctioned Rs.7.85 crore to execute the remaining strengthening works in the Main Dam and Baby Dam, in which 5 works which does not require any clearances have been completed and the balance 3 works viz., Strengthening of Baby Dam, Earth Dam & Instrumentation have to be carried out.

In the Memorandum presented by the Hon'ble Chief Minister of Tamil Nadu to the Hon'ble Prime Minister on 17.06.2021, it was requested to

instruct the Ministry of Environment, Forest and Climate Change to advise Government of Kerala not to delay in giving the required clearances to cut few trees for strengthening works of Baby dam. In the Memorandum presented to the Hon'ble Union Minister of Jal Sakthi, Gol by the Hon'ble Minister of Water Resources, Government of Tamil Nadu on 06.07.2021, the Ministry of Jal Sakthi was requested to advise the State of Kerala to immediately give permission to cut the 23 trees (now 15 trees) and repair the Ghat road by Kerala for which Tamil Nadu is willing to bear the cost or to give its concurrence to carry out the repair by Tamil Nadu.

Following the Inter-state meeting held on 17.09.2021 through video conferencing at Additional Chief Secretary level, the Deputy Director, Thekkady, vide, letter dated 06.11.2021 conveyed that the Principal Chief Conservator of Forest and Wild Life granted permission for felling 15 numbers of trees. However, the Forest and Wildlife (C) Department of Government of Kerala issued a Government Order vide G.O. Ms. No. 23/2021/F&WLD Dated 11.11.2021 cancelling the orders issued by the Principal Chief Conservator of Forests (Wildlife).

In this regard, the Joint Secretary, Ministry of Jal Shakti, Gol, vide letter dated 08.11.2021 addressed the State of Kerala and requested to Kerala to allow the necessary strengthening works of the dam (baby dam and earthen dam), as proposed by the Government of Tamil Nadu. Further, in the Execution Petition (I.A No 28 of 2017) filed on 01.03.2017, an Additional Affidavit (I.A No:154780/2021 was filed in the Hon'ble Supreme Court on 27.11.2021. This is pending in the Supreme Court.

On receipt of clearances, the work would be undertaken. To complete the strengthening works in the Baby Dam, the Government of Tamil Nadu is taking continuous efforts to get the clearances of Environment and Wild Life Departments of Government of India.

In the meanwhile, the Hon'ble Minister for Water Resources, Tamil Nadu has addressed the Hon'ble Minister for Water Resources, Kerala on 03.03.2022 and requested to grant permission early, to cut the trees.

#### **18.4. Parambikulam Aliyar Project**

The Parambikulam Aliyar Project is governed by the inter-State Agreement between the Governments of Tamil Nadu and Kerala which was entered into on 29.05.1970 with retrospective effect from 09.11.1958. As per the Agreement, in an 'average year', Tamil Nadu has to receive 30.50 TMC ft. of water and Tamil Nadu has to supply water to Kerala at two locations, viz., at Kerala Sholayar Reservoir - 12.30 TMC ft., and at Manacadavu weir -7.25 TMC ft., totally 19.55 TMC ft. This Agreement was due for review on 09.11.1988 and thereafter once in 30 years. Several Inter-State discussions for completing the first review of the Agreement were held at different levels.

An Inter-State Meeting of the Hon'ble Chief Ministers of Tamil Nadu and Kerala was held at Thiruvananthapuram, on 25.09.2019 to Review PAP Agreement and discuss about other River Water Issues between Tamil Nadu and Kerala. As decided in the meeting, both Tamil Nadu and Kerala Governments have constituted each, a five member Committee at the Secretary level PWD/WR for the review the Parambikulam–Aliyar Project Agreement and related issues. In the first

meeting of the PAP Committee held on 12.12.2019 at Chennai and the second meeting held at Thiruvananthapuram on 11.09.2020 the issues related with PAP were deliberated. In the third Inter State meeting held by Video Conferencing on 17.9.2021 it was decided to constitute a Technical Sub Committee to sort out the technical issues. Tamil Nadu constituted a Technical Sub Committee on 01.10.2021. Next inter – State meeting is proposed to be held at Chennai.

### **18.5. 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 planned Check Dams and diversion structures across the river Pennaiyar and Markandeyanadhi, Tributary of Pennaiyar, in spite of the repeated requests from Tamil Nadu against the above works of Karnataka, it went ahead with the construction works. Hence, Tamil Nadu filed an Original Suit (O.S No. 1 of 2018) and an I.A on 18.5.2018 in the Hon'ble Supreme Court, seeking intervention, restraining the State of Karnataka from proceeding with the construction of Check Dam / Dam across Markandeyanadhi, and other diversion structure across the Pennaiyar river and its tributaries, and pumping water from them to the existing tanks in the Pennaiyar basin in Karnataka.

The Hon'ble Supreme Court, in its Judgment dated 14.11.2019 in the I.A.No.95384 of 2019 filed by Tamil Nadu on 3.7.2019, granted liberty

to the State of Tamil Nadu to seek constitution of an Inter State River Water Dispute Tribunal under the provisions in the Inter State River Water Disputes Act (ISRWD Act), 1956. The Tamil Nadu Government has made the request to the Government of India on 30.11.2019.

Government of India, Ministry of Jal Sakthi constituted a Negotiation Committee on 20.01.2020. The Negotiation Committee convened two meetings, on 24.02.2020 and 07.07.2020 but as no decision could be arrived in the meetings, it submitted the Final Report on 31.07.2020, in favour of constitution of the Tribunal.

Tamil Nadu Government since then requested the Ministry of Jal Shakti i.e., on 21.11.2020, 19.02.2021 and 29.06.2021 and in the Memorandum presented by the Hon'ble Minister of Water Resources to the Minister of Jal Shakti on 06.07.2021 the issues of diversions from the Pennaiyar river and construction of a dam across its Tributary, Markandeya Nadhi were enumerated and requested for early constitution of Tribunal was reiterated.

Secretary, DoWR, Minister of Jal Shakti convened a meeting with Additional Chief Secretaries of basin States, on 1.9.2021 and the issue was discussed. A meeting for mutual discussions between Tamil Nadu and Karnataka along with Minister of Jal Shakti was suggested. Karnataka has opposed on 13.10.2021, the constitution of Tribunal. Government of Tamil Nadu reiterated to Ministry of Jal Shakti on 1.11.2021, 20.12.2021 and on 11.03.2022 to constitute the Tribunal early.

## 18.6. Pandiyar – Punnampuzha Project

Pandiyar, Punnampuzha and Cholathipuzha are tributaries of the Inter State River Chaliyar. These tributaries originates from Nilgiris District and joins with the west flowing river Chaliar, running in Kerala and empties into the Arabian sea.

In 1965, an understanding was reached between the Government of Tamil Nadu and Kerala in the presence of Government of India for implementing the Pandiar-Punnampuzha Scheme by TNEB.

In 2006, a Project was prepared by the TANGEDCO for generating Hydro Power,  $2 \times 30 = 60\text{MW}$  and divert about 7 TMC ft. through a 27 Km long tunnel to Moyar of Bhavani sub-basin at Sigur for beneficial use to meet the drinking and irrigation needs of drought prone areas of Bhavani sub basin and sent it to KSEB on 29.11.2006 for the concurrence of the Government of Kerala. However, Kerala did not give its nod for the modified proposal.

An Inter-State Meeting of the Hon'ble Chief Ministers of Tamil Nadu and Kerala was held at Thiruvananthapuram, on 25.9.2019. As decided in the meeting, a committee comprising of 5 members was constituted at the Secretary level of both the States to discuss and advise the respective Governments on implementing the Pandiar - Punnampuzha Scheme.

The first meeting of the inter-State Committee was held on 11.09.2020 at Thiruvananthapuram and in continuation, a preliminary report on the revised proposal was communicated to the Chief Engineer, ISW in Sep 2020. In response to the above communication, Kerala requested to furnish the details of project, etc.



The second meeting of the Committee was held by Video Conferencing on 17.9.2021 and in that meeting Kerala indicated to consider this proposal and it was decided to constitute a Technical Sub Committee to sort out the technical issues. Tamil Nadu has constituted a Technical Sub Committee on 01.10.2021 and informed the Government of Kerala. The response of Kerala is awaited. This will be pursued with Kerala.

## **Interlinking of Rivers**

### **18.7. Godavari – Krishna – Pennar - Cauvery Link**

The Government of Tamil Nadu is continuously urging the Government of India, and the Special Committee for Inter linking of Rivers formed by the Government of India as per the Judgment of the Hon'ble Supreme Court, dated 27.02.2012 to implement the inter-linking of Peninsular rivers, viz., Mahanadhi - Godavari - Krishna - Pennar - Palar - Cauvery - Vaigai - Gundar.

Anticipating this link project, the Government of Tamil Nadu, as early as in 2008, took up the construction of Kattalai Barrage across Cauvery and completed in 2014 in lieu of the existing bed regulator.

Due to the untiring efforts of Tamil Nadu, NWDA has decided to implement the Peninsular rivers link project under two phases. Phase – I is linking Godavari river with Krishna, Pennar and Cauvery, and prepared the DPR for the same in April, 2021 and sent to the concerned States for their views

Tamil Nadu has requested for enhancing the quantum of water proposed to be transferred to Tamil Nadu from 84 TMC to 200 TMC, in the Phase-I itself, since it is a water deficit State, and to take up the

link at a higher contour and terminate it at Cauvery (Kattalai Barrage) instead of at Cauvery (Grand Anicut), as it will be helpful to supply water to the needy areas for optimum utilization of water.

In the meanwhile, Hon'ble Chief Minister of Tamil Nadu presented a Memorandum to the Hon'ble Prime Minister on 17.06.2021, among others, requested to finalise the DPR for this project incorporating the request of Tamil Nadu and take up the work on priority basis, so that Southern States could be benefited from the inter basin transfer of surplus/flood water.

The Hon'ble Water Resources Minister of Tamil Nadu in his Memorandum presented to the Hon'ble Minister of Jal Shakti on 06.07.2021 reiterated the above request and also requested to get the consensus of the States early.

NWDA had a discussion with the concerned States for consensus building process for the implementation of this link on 29.10.2021. Tamil Nadu reiterated its views during that meeting, and also in the 29th Southern Zonal Council meeting which was attended by the Hon'ble Higher Education Minister held at Tirupati on 14.11.2021 under the chairmanship of the Hon'ble Union Home Minister. A discussion was held with the Director General, NWDA on 19.11.2021 by the Additional Chief Secretary, WRD, Tamil Nadu on this issue wherein getting consensus from the concerned States early was insisted.

In the meanwhile, the Union Government in the Budget speech for 2022-23 has informed, that once a consensus is reached among the beneficiary States for this project, the Centre will provide support for implementation.

NWDA has conducted a consultation meeting to explore the way forward for the implementation of this project on 18.2.2022. Tamil Nadu made a presentation on the benefits of taking the link canal at a higher contour, and urged NWDA to take up the same in the Phase I itself.

The Government of Tamil Nadu is taking all efforts to implement the Inter Linking of Rivers Project to alleviate the water shortage in Tamil Nadu.

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