



ABSTRACT

Water Resources Department – Announcement made by the Hon'ble Minister (Water Resources) for the year 2023 – 2024 – Construction of Tail End Regulators to arrest sea water intrusion at two places in Nagapattinam and Thanjavur Districts at an estimated cost of Rs.13.0222 Crore under NABARD loan assistance RIDF XXIX for the year 2023-2024 – Administrative Sanction – Accorded - Orders issued.

Water Resources (S2) Department

G.O.(Ms) No.58

Dated.31.08.2023

சோபகிருது, ஆவணி 14

திருவள்ளூர் ஆண்டு 2054

Read :

1. From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. F2/Announcement 2023-24 / TER / AE6 / AEE5 / 2023, dated.12.04.2023 and 31.05.2023.
2. Government Letter No. 81/DS (B) / Fin(Res.II) / 2023, Finance Department, dated.19.06.2023.

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ORDER:

During the Demand for grants for Water Resources Department for the year 2023-2024, held on 29.03.2023 the Hon'ble Minister for Water Resources on the floor of Assembly has announced that Construction of Tail End Regulators to arrest sea water intrusion at two places in Nagapattinam and Thanjavur Districts will be carried out at an estimated cost of Rs.13.50 Crore.

2. Based on the above announcement in the letter 1st read above, the Chief Engineer, Water Resources Department, Plan Formulation has sent a proposal for the work of Construction of Tail End Regulators to arrest sea water intrusion at two places in Nagapattinam and Thanjavur Districts at an estimated cost of Rs.13.0222 Crore on the Schedule of Rates for the year 2023 – 2024 as below :-

I. Construction of Tail End Regulator across Paravaiyar Drain in Vadakkupoigainallur Village of Nagapattinam Taluk and District - Estimate amount of Rs.3.4045 Crore

- (i) Paravaiyar drain originates in Vadakku Poigainallur Village of Nagapattinam Taluk and District. It runs for a distance of 4 km and finally confluence with sea at Akkarapettai Village.

- (ii) Every year, the rain water from the surrounding villages of Karaikulam, Veerankudikadu, Ellai road, Therkkupoigainallur, Sangilikuppam, Vadakku poigainallur and Kallar goes to sea as unutilized through this drain.
- (iii) Since, the Paravaiyar drain runs parallel and very close to the sea, the sea water intrudes into the drain. Due to the effect of Climate change, the sea water raises and enter into the land area. Hence the agricultural land adjacent to the drain become as barren and the ground water also became as saline.
- (iv) In order to reduce the salinity of the soil and also to improve the ground water quality by storing fresh water, the farmers of these villages have requested at various levels to construct a tail end regulator across Paravaiyar drain.
- (iv) Thiru. V.P.Mali, MLA of Keelvelur constituency and the District Collector, Nagapattinam have also represented to construct a Tail End Regulator across Paravaiyar drain.
- (v) Based on this, it is proposed to construct Tail End Regulator across Paravaiyar drain to store the fresh water of about 4.24 Mcft, which otherwise flows to sea as unutilized and to reduce the ingress of sea water to some extent.
- (vi) The following components are made in the estimate :
 - 1. Construction of Tail end regulator
 - 2. Provision for Coastal Regulation Zone clearance
 - 3. Provision for ring bund
- (vii) By implementing this scheme, an extent of 525 acres of agricultural land in these villages will be benefitted through bore wells. It will also benefit for the drinking water needs of the people and livestock in these villages.

II. Construction of Tail End Regulator across Mudiyanar drain at LS 12.6 Km in Somanathanpattinam Village of Peravurani Taluk in Thanjavur District - Estimate amount of Rs.9.6177 Crore

- (i) Mudiyanar drain originates from the surplus of Kookanoor tank in Kookanoor Village of Aranthangi Taluk in Pudukkottai District. The drain runs to a distance of 8.170 Km and irrigate ayacut to an extent of 478.22 Acres in Pudukkottai District and the remaining distance of 7.130 Km irrigate ayacut an extent of 634.47 Acres in Thanjavur District. The Mudiyanar drain runs to a distance of 15.56 km and finally confluence with Bay of Bengal at Thiruvadevan Village in Peravurani Taluk of Thanjavur District. Mudiyanar drain also carrying the drainage of CMP ayacuts.
- (ii) The following two anicuts were constructed across Mudiyanar Drain to supply water to the tanks and to irrigate 450.30ha.of ayacut
 - 1. Avudaiyanikkottai Anicut at LS 2.00 Km
 - 2. Mudiyanar Anicut at LS 6.00 Km

- (iii) Due to climate change and other reasons the sea water level increases and intrudes into the drain. Hence the agricultural land adjacent to the drain became barren and the ground water also became saline.
- (iv) The farmers have made representation to MLA of Peravurani Constituency to construct a Tail End Regulator across Mudiyanar Drain in Somanathanpattinam Village of Peravurani Taluk in Thanjavur District.
- (v) Hence it is proposed to construct a tail end regulator across Mudiyanar drain at LS 12.60 Km to store the fresh water at tail end to arrest sea water intrusion and to improve the ground water recharge.
- (vi) The following component is made in the estimate :-

1. Construction of Tail end regulator.

- (vii) By implementing this scheme the total ayacut of 276 Ha in Somanathanpattinam and Kuppathevan Village will be benefited directly. 10 nos of bore wells in the zone of influence would get recharge. Also 200 farmers would get benefited. Supplementation to 682 acres of irrigation land is also possible in the zone of influence. Quality of ground water will also be improved.

3. The Chief Engineer, Plan Formulation, Water Resources Department has informed that the estimates for an amount of Rs.13.0222 Crore have been prepared based on the Schedule of Rates for the year 2023 - 2024 and requested to obtain administrative sanction as follows :-

Sl. No	Name of work	Estimate Amount for 2023-2024 (Rs. in crores)
1	Construction of Tail End Regulator across Paravaiyar Drain in Vadakkupoigainallur Village of Nagapattinam Taluk and District	3.4045
2	Construction of Tail End Regulator across Mudiyanar Drain at LS 12.6 Km in Somanathanpattinam Village of Peravurani Taluk in Thanjavur District	9.6177
	Total	13.0222

4. In the letter 2nd read above, the proposal of the Chief Engineer, Plan Formulation, Water Resources Department for the above works have

been forwarded to NABARD for loan assistance under RIDF XXIX for the year 2023-2024 at an estimated cost of Rs.13.0222 Crore.

5. The Government after careful examination have decided to accept the proposal of the Chief Engineer, Plan Formulation, Water Resources Department. Accordingly, Administrative Sanction is accorded for the Construction of Tail End Regulators to arrest sea water intrusion at two places in Nagapattinam and Thanjavur Districts at an estimated cost of Rs.13,02,22,000/- (Rupees Thirteen crore two lakh and twenty two thousand only) under NABARD loan assistance - RIDF XXIX for 2023-2024 out of Rs.13,02,22,000/- a sum of Rs.4,00,00,000/- (Rupees Four crore only) is sanctioned for financial year 2023 - 2024, the remaining amount will be released based on requirements.

Sl. No.	Name of work	Administrative Sanction (Rupees in crore)	Financial sanction for 2023 - 2024 (Rupees in crore)
1	Construction of Tail End Regulator across Paravaiyar Drain in Vadakkupoigainallur Village of Nagapattinam Taluk and District	3.4045	1.00
2	Construction of Tail End Regulator across Mudiyanar Drain at LS 12.6 Km in Somanathanpattinam Village of Peravurani Taluk in Thanjavur District	9.6177	3.00
	Total	13.0222	4.00

6. The amount sanctioned in para 5 above shall be debited to the following Head of Account

4700 - Capital Outlay on Major Irrigation -
01 - Cauvery Basin - 800 - Other Expenditure -
State's Expenditure - DB Weir -
NABARD assistance - 416 Major works -
01 Major works.

(IFHRMS DPC: 4700 - 01 - 800 - DB - 41601)

7. The expenditure sanctioned in para 5 above shall constitute an item of "New Instruments of Services" and the approval of Legislature will be obtained in due course. Pending approval of the legislature, the expenditure may be initially met by drawal of an advance from the Contingency Fund. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is directed to calculate the actual

amount required for the period upto next Supplementary Estimates and apply for sanction of same as advance from Contingency Fund to Finance (BG-I) Department directly in Form "A" appended to Tamil Nadu Contingency Fund Rules, 1963, along with a copy of this order. Orders for sanction of an advance from the Contingency Fund will be issued from Finance (BG-I) Department. Further, he is also directed to send necessary draft explanatory notes for the inclusion of the above expenditure in the Supplementary Estimates for the year 2023 – 2024 to Finance (Infra-II / BG-I) Department at the appropriate time without fail.

8. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is also directed that the details of works executed must be uploaded in the Tamil Nadu Water Resources Information and Management Systems' Portal under the Control of Chief Engineer, Institute of Water Studies, Hydrology and Quality Control to ensure effective data base in the Water Resources Department.

9. The Chief Engineer, Plan Formulation and Chief Engineer, Trichy Region, Water Resources Department are directed to ensure designs, drawings and description of works prescribed in the estimate should be same while according Technical Sanction.

10. This order issues with the concurrence of Finance Department vide its U.O. No. 28982/Infra-II/2023, dated.31.08.2023 and Additional Sanction Ledger No.845 (Eight hundred and forty five) (IFHRMS ASL No.2023080845)

(BY ORDER OF THE GOVERNOR)

**SANDEEP SAXENA,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT.**

To

The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai-5.

The Chief Engineer, Water Resources Department, Trichy Region, Trichy.

The Chief Engineer, Water Resources Department, Plan Formulation, Chennai-5.

The Chief Engineer, Institute of Water Studies, Hydrology and Quality Control, Taramani, Chennai-113.

The Chief General Manager, NABARD, 48, Mahatma Gandhi Road, Post Box No.6074, Nungambakkam, Chennai -34.

The District Collector, Nagapattinam District.

The District Collector, Thanjavur District.

The District Treasury Officer, Nagapattinam District.

The District Treasury Officer, Thanjavur District.

The Pay and Accounts Officer (East), Chennai-8.

The Pay and Accounts Officer, Trichy.

The Principal Accountant General (A&E), Chennai-18.

The Principal Accountant General, (Economic and Revenue Sector Audit), Chennai-18.

The Resident Audit Officer, O/o. Principal Accountant General (General and Social Sector Audit), Secretariat, Chennai-9.

Copy to

The Secretary-II to the Hon'ble Chief Minister, Secretariat, Chennai-9.

The Special Personal Assistant to Hon'ble Minister (Finance and Human Resources Management), Secretariat, Chennai-9.

The Special Personal Assistant to Hon'ble Minister (Water Resources), Secretariat, Chennai-9.

The Finance (Infra-II / BG-I / BG-II / W&M-I/ Res-II), Department, Secretariat, Chennai-9.

The Water Resources (OP-II) / I-Spl) Department, Secretariat, Chennai-9.
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// Forwarded by Order //

31/8/2023

Section Officer

31/8/2023