



ABSTRACT

Water Resources Department – Announcement made by Hon'ble Minister for Water Resources for 2022 – 2023 - "Flood Protection Works to Kadambakulam surplus course, Marudur Melakal in Thoothukudi District" at an estimated cost of Rs.34,61,44,936/- under NABARD loan assistance under RIDF XXVIII for 2022 – 2023 - Administrative and Financial sanction for 2022 - 2023 for Civil Works - Sanction accorded - Orders issued

Water Resources (S2) Department

G.O (Ms) No.51

Dated 28.06.2022

சுபகிருது, ஆணி 14

திருவள்ளூர் ஆண்டு 2053

Read:

1. From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B / AE3 / AEE3 / Anno – 22-23 / 0604 / Kadambakulam / 2022, dated.19.04.2022.
2. Government Letter No.1497 / FS (P) / Fin (Res.II) / 2022, Finance Department, dated.11.05.2022.

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ORDER:

During the Demand for Grants for Water Resources Department for the year 2022-2023 held on 06.04.2022, the Hon'ble Minister for Water Resources on the floor of the Assembly has announced that "Rehabilitation of Surplus Weir and Surplus course to mitigate flood damages in Marudur Melakal and Kadambakulam surplus course in Thoothukudi District will be done at an estimated cost of Rs.37.20 crore."

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for "Flood Protection Works to Kadambakulam surplus course, Marudur

Melakkal in Thoothukudi district" at an estimated cost of Rs.37.20 crore and the Scheme envisages the following:

- (i) Kadambakulam is one of the major tanks fed by South Main Canal which oftakes from Srivaikuntam Anicut and also from the surplus of Marudur Melakkal, which off takes from Marudur Anicut. Kadambakulam also receives water from its own catchment and from the catchment of South Main Canal and Marudur Melakkal also. The discharging capacity of the Kadambakulam surplus weir is 4704 cusecs.
- (ii) Kalvoy tank, Vellur tank, Thenkarai tank and Kadambakulam tanks are located as chain of tanks. During last year's North East Monsoon, due to heavy rainfall of 189 mm that occurred on 30.10.2021 and 248 mm that occurred on 26.11.2021, flash flood occurred in the catchment and command areas of Kalvoy tank and hence the Kalvoy tank bund breached.
- (iii) Due to this, Vellur tank and Thenkarai tank which are the lower down tanks of Kalvoy tank reached the Maximum Water Level (M.W.L) and the surplus water from Thenkarai tank reached Kadambakulam.
- (iv) In order to avoid breaches in the Lower down tanks like Vellur tank, Thenkarai and Kadambakulam, the surplus weir of Vellur tank was cut opened to a depth of 2 feet and for a length of 30 m out of 91.44 m and the flash flood water was diverted to Tamiraparani River.
- (v) Moreover, due to excess water released from Kadambakulam and inadequate discharging capacity of existing bridges and reduced carrying capacity of the surplus course (at present the existing carrying capacity varies from 1500 - 4000 cusecs instead of 5000 - 8000 cusecs) the flood bank of Kadambakulam surplus course breached at a number of places and adjacent paddy fields were inundated. Also traffic was severely affected in Tiruchendur - Tirunelveli and Tiruchendur - Thoothukudi roads.
- (vi) In order to protect the Kadambakulam surplus course cum drainage channel from the flood damages and to maintain the surplus course cum drainage channel for easy flow of water, certain flood protection works have to be taken up to restore the drainage course.

(vii) Therefore in order to prevent flood damages in flood affected tanks of Kalvoy tank, Vellur tank and other tanks in Marudur Melakkal system and Kadambakulam in Srivaikuntam Thenkal system and to protect the Kadambakulam surplus course cum drainage channel from the flood damages and to rehabilitate the surplus course cum drainage channel for easy flow of water, this estimate has been prepared with following components of works.

- a) Strengthening of tank bund and Provision of additional sand vent in Kadambakulam tank
 - 1) Strengthening of tank bund of Kadambakulam, Kalvoy, Vellur and Thenkarai tank.
 - 2) Reconstruction of 5 No. of sluices in Kadambakulam, 2 No of sluices in Kalvoy tank, 2 No of sluices in Vellur tank and 1 No of sluice in Thenkarai tank.
 - 3) Provision for Additional Sand vent in Kadambakulam and Vellur tank weirs to discharge additional quantity in case of emergency.
 - 4) Improvements to surplus Weir.
- b) Regrading and shoal removal in Surplus course of Kadambakulam for a length of 10.30 km.
- c) Widening and Construction of Bridges in Kadambakulam surplus course
 - 1) Widening of Bridge @ LS 900 m for Vana Thirupathi Road.
 - 2) Widening of Bridge @ LS 4870 m for Varandiavel Road
 - 3) Converting Low level Bridge to High level Bridge @ LS 5460 m for Karmegamkovil Salai.
 - 4) Widening of Bridge near LS 8940 m at Thalaivanvadali.
- d) Provision of Foreshore Bund in Kalvoy Tank
- e) Construction of Flood Protection wall in the breached locations.

3. The Chief Engineer, Plan Formulation, Water Resources Department, has stated that mandatory lump sum provisions have been made in the detailed estimate and requested to accord Administrative Sanction for "Flood Protection Works to Kadambakulam

surplus course and Marudur Melakal in Thoothukudi District” at an estimated cost of Rs.37.20 crore.

4. In the letter second 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 XXVIII for the year 2022-2023 at a restricted cost of Rs.34,61,44,936/-.

5. Accordingly, the Government hereby accord Administrative and Financial sanction for Flood Protection Works to Kadambakulam surplus course and Marudur Melakal in Thoothukudi District at an estimated cost of Rs.34,61,44,936/- (Rupees Thirty Four crore sixty one lakh forty four thousand nine hundred and thirty six only) under NABARD loan assistance (RIDF XXVIII) for 2022-2023 as follows:

Sl. No	Description	Estimate (Amount in Rs.)
1	Civil Works	30,36,68,000
2	GST @ 12%	3,64,40,256
3	L.S. Provision for Labour Welfare Fund @ 1%	30,36,680
4	L.S. Provision for Advertisement Charges	5,00,000
5	L.S. Provision for P.S.Charges, Contingencies and Unforeseen items	25,00,000
	Total	34,61,44,936

6. The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

4701 - Capital Outlay on Medium Irrigation
01 - Thamiraparani Basin - 800 Other Expenditure -
State's Expenditure - DB - Weir NABARD Assistance -
416 Major works - 01 Major works.
(IFHRMS DPC:4701-01-800-DB-41601)

7. The expenditure sanctioned in para 5 above shall constitute an item of "New Instrument of Service" and the approval of the Legislature will be obtained in due course. Pending approval of the Legislature, the expenditure will be met by drawal of an advance from the Contingency Fund. The Engineer-In-Chief and Chief Engineer (General), Water Resources Department, Chennai-5, is directed to send necessary proposals to Government in Finance (BG-I)

Department directly in Form "A" appended to the Tamil Nadu Contingency Fund Rules, 1963 along with copy of this order for sanction of an advance from the Contingency Fund, orders regarding which will be issued by Finance (BG-I) Department separately. He is also directed to send necessary explanatory notes for inclusion of the above expenditure in Supplementary Estimate 2022 - 2023 to Finance (PW-II / BG-I) Department at an appropriate time without fail.

8. The Engineers concerned are 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. This order issues with the concurrence of Finance Department vide its U.O. No.31102/PW-II/2022, dated 26.06.2022 and Additional Sanction Ledger No.474 (Four hundred and seventy four).

(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, Plan Formulation, Water Resources Department, Chennai-5.

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

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

The District Collector, Thoothukudi.

The District Treasury Officer, Thoothukudi.

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

The Pay and Accounts Officer, Madurai.

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

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

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

The Resident Audit Officer, 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 (Water Resources), Secretariat, Chennai-9.

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

The Water Resources (OP-II / ISpl.I) Department, Secretariat,
Chennai-9.

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// Forwarded by Order //

M. Manikand
27/06/2022
Section Officer
28/6/2022