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ABSTRACT

Water Resources Department – Announcement made by Hon'ble Minister (Water Resources) for 2021-2022 - 3 Nos. of Rehabilitation Works in Madurai Region at an estimated cost of Rs.7.76 Crore - Sanction accorded – Orders issued.

Water Resources (S2) Department

G.O (4D) No.40

Dated 30.05.2022

சுபகிருது, வைகாசி 16

திருவள்ளூர் ஆண்டு 2053

Read :

1. From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B / AE 3/ AEE 3/ Announcement 21-22 /207 - Rehabilitation/ MR / 2021 dated:21.10.2021.
2. Government Letter No.59275 / (Fin-Res II) / 2021-1, Finance Department, dated 15.02.2022.

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ORDER:

During the Demand for Grants for Water Resources Department for the year 2021-2022 held on 23.8.2021, the Hon'ble Minister for Water Resources on the floor of the Assembly has announced that "Based on the types of rehabilitation works for irrigation structures and for new major schemes mentioned in the 'Vision document for a New Dawn' for State and District level programme, 207 tanks, supply channels, ponds and their structures spread over 17 basins of 31 Districts will be rehabilitated in a phased manner under NABARD assistance".

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for 3 Nos. of Rehabilitation Works in Madurai Region at an estimated cost of Rs.12.50 Crore as detailed below :

I. Rehabilitation of Kandavarayanpatti anicut, Nedumaram check dam across Virusuliyar river and its benefitted tanks in Thiruppathur Taluk of Sivagangai District at an estimated cost of Rs.7.00 Crore

- (i) The Virusuliyar River originates from the surplus course of Murukka kanmoi in Pudukkottai district and runs for a length of 49 km. The Kandavarayanpatti anicut and Nedumaram check dam are located in Kandavarayanpatti village and Nedumaram village of Thiruppathur Taluk of Sivagangai District.

- (ii) The Kandavarayanpatti anicut being a Random Rubble Masonry structure, due to erosion of pointing there is water leakage through the body wall, wing wall, return wall, right and left side head sluice and scour sluice structures. From rightside head sluice, the supply channel is called as PandianKal and it has got silted up. There is one R.R.masonry dividing wall to divert the supply to right and left side supply channel and that is also in damaged condition.
- (iii) The Nedumaram check dam has some cracks in body wall, wing wall and return wall. Also the flood banks are in eroded condition and the inlet and outlet structures are in damaged condition.
- (iv) Also, 6 nos of benefitting tanks namely Nedumaram tank, Pilava tank, Osuvan tank, Karuvilangundu tank, Pannimutti tank and Parakkini tank are very old structure and hence necessary rehabilitation works have to be carried out.
- (v) Hence, the following proposals have been made in this estimate:
- Repair works to Kandavarayanpatti anicut & its head sluices and construction of protection wall, dividing dam, inlet & outlet structures.
 - Desilting of Pandiyankal supply channel.
 - Repair works to Nedumaram check dam:
 - Reconstruction of 3 nos of sluices, 2 nos of weir and lining the field channel of Nedumaram tank.
 - Reconstruction of 2 nos of weir, lining the field channel and desilting the supply channel of Pilava tank .
 - Strengthening of tank bund, reconstruction of 1 no of sluice, lining the field channel, construction of retaining wall and desilting of supply channel of Osuvan tank.
 - Strengthening of tank bund, reconstruction of 2 nos of sluice, reconstruction of 1 no of weir and lining of field channel of Karuvilangundu tank.
 - Strengthening of tank bund, reconstruction of 1 no of sluice, reconstruction of 1 no of weir and lining of field channel of Pannimutti tank.
 - Strengthening of tank bund, reconstruction of 1 no of sluice and lining of field channel of Parakkini tank.
- (vi) This scheme on implementation will benefit 716.11 Ha of ayacut through stabilization.

II. Rehabilitation of Thiruppalaikudi anicut across Peearu river in R.S.Mangalam Taluk of Ramanathapuram District at an estimated cost of Rs.2.00 Crore

- (i) The Peearu River originates from the surplus of 560 feet weir of R.S.Mangalam Big Tank. This Peearu River feeds some

tanks on the way of its confluence with Uppar and drains into the Bay of Bengal. Thirupalaikudi tank is the tail end tank benefited by this river before it confluence with Uppar. The Thiruppalaikudi anicut is located in Seenangudi village of R.S.Mangalam Taluk in Ramanathapuram District.

- (ii) The Thiruppalaikudi anicut being a Random Rubble Masonry structure, due to erosion of pointing there is water leakage through the body wall, anicut scour vent and head sluice shutters. The flood bank is found eroded and below standards. Also, river has lost its original profile at the upstream of anicut site due to siltation and jungle growth.
- (iii) Hence the following proposals have been made in this estimate:
 - Repairs to Anicuts and Head Sluices
 - Construction of Protection wall for a length of 55m near left side of scour vent and 30m at downstream side of head sluice
 - Improvements to the existing Anicut Flood Bank for a length of 1000m at upstream and downstream of both left and right side bank.
 - Regradation of River for a length of 1000m upstream side of anicut area
- (iv) This scheme on implementation will benefit 411.54 Ha ayacut through stabilization.

III. Rehabilitation of Kunjankulam and Nagarikathan – Akkalur anicut across Virusuliyar river in Thiruvadanaï Taluk of Ramanathapuram District at an estimated cost of Rs.3.50 Crore

- (i) The surplus water from Thirupakottai tank runs as Virusliyar River in Thiruvadanaï taluk and runs for a total distance of 25 Kms and drains into Bay of Bengal near Machur village in Ramanathapuram District. The Kunjankulam Anicut and Nagarikathan-Akkalur Anicut are located in Sirumalaikottai village and Kattimangalam village of Thiruvadanaï Taluk of Ramanathapuram District.
- (ii) The Kunjankulam anicut and Nagarikathan-Akkalur anicut being Random Rubble Masonry structures, due to erosion of pointing there is water leakage through the body wall, wing wall, return wall, anicut scour vent and head sluice shutters. Also the flood banks are in eroded condition and require strengthening. The river at the upstream and downstream of the Kunjankulam anicut site has lost its original profile due to siltation and jungle growth. The existing random rubble box culvert across Akkalur tank supply channel is in damaged condition.

(iii) Hence, the following proposals have been made in this estimate:

- Repairs to Kunjankulam anicut and head sluice with 3 nos of shutters, construction of Protection wall for a length of 40m, strengthening of flood bank and regradation of river at the upstream and downstream of the Kunjankulam anicut site and desilting of Kunjankulam tank supply channel.
- Rehabilitation of Nagarikathan Akkalur anicut and head sluice, construction of Protection wall, strengthening of flood bank and reconstruction of box culvert.

(iv) This scheme on implementation will stabilize 302.160 Ha of ayacut by bridging a gap of 135.972 Ha of ayacut.

3. The Chief Engineer, Plan Formulation, Water Resources Department has stated that the estimates have been prepared based on the Schedule of Rates for 2021- 2022 and requested for administrative sanction for 3 Nos. of rehabilitation works in Madurai Region at an estimated cost of Rs.12.50 Crore

4. In the letter second read above, the proposal of the Chief Engineer, Plan Formulation, Water Resources Department for the above 3 Rehabilitation works has been forwarded to NABARD for loan assistance under RIDF XXVII for the year 2021-2022 at a restricted cost of Rs.7.76 Crore.

5. The Government, after careful examination, have decided to accept the proposal of the Chief Engineer, Plan Formulation, Water Resources Department in anticipation of loan assistance from NABARD under RIDF. Accordingly, sanction is accorded for 3 Nos. of Rehabilitation Works in Madurai Region at an estimated cost of Rs.7,76,00,000/- (Rupees Seven Crore and Seventy Six lakh only) in anticipation of NABARD loan assistance under RIDF XXVII for 2021-2022 as follows :

Sl No.	Name of work	Sanctioned Amount (Rupees in Crore)
1	Rehabilitation of Kandavarayanpatti anicut, Nedumaram check dam across Virusuliyar River and its benefitted tanks in Thiruppathur Taluk of Sivagangai District, subject to condition that there shall be no lining of field channel. Construction of retaining wall and desilting should be carried out on Revenue Generation Model.	3.24
2	Rehabilitation of Thirupalaikudi anicut across Peearu river in R.S.Mangalam Taluk of Ramanathapuram District.	2.00

3	Rehabilitation of Kunjankulam and Nagarikathan Akkalur anicut across virusuliyar river in Thiruvadana Taluk of Ramanathapuram District, except construction of protection wall which is deferred.	2.52
	Total	7.76

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

4700 - Capital Outlay on Major Irrigation -
 05 - Vaigai Basin - 800 - Other Expenditure -
 State's Expenditure - FB - Barrage - NABARD Assistance -
 416 - Major Works - 01 Major Works.

(IFHRMS DPC 4700-05-800-FB-41601)-(For Sl.No.1-Rs.3.24 crore)

4700 - Capital Outlay on Major Irrigation -
 05 - Vaigai Basin - 800 - Other Expenditure -
 State's Expenditure - AB - Reservoirs -
 NABARD Assistance - 416 - Major Works -
 01 Major Works.

(IFHRMS DPC 4700-05-800-AB-41601)-(For Sl.No.2-Rs.2.00 crore)

4700 - Capital Outlay on Major Irrigation -
 04 - Vellar Basin - 800 - Other Expenditure -
 State's Expenditure - DB Weir - NABARD Assistance -
 416 - Major Works - 01 Major Works.

(IFHRMS DPC 4700-04-800-DB-41601)-(For Sl.No.3-Rs.2.52 crore)

7. The Government is directed the District Collector's and Water Resources Department officials that the farmers should be involved and informed and proper documentation should be done in all such works to avoid complaints and pilferage.

8. 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 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-5 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 the Tamil Nadu Contingency Fund Rules, 1963 along with a copy of this order. Orders for sanction of advance from Contingency Fund will be issued by 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 Estimate for the 2022 - 2023 to Finance (PW-II / BG-I) Department at an appropriate time without fail.

9. It 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.

10. This order issues with the concurrence of Finance Department vide its U.O. No.25321/PW-II/2022, Dated.26.05.2022 and Additional Sanction Ledger No.249 (Two hundred and forty nine)

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

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

The District Collector, Sivagangai.

The District Collector, Ramanathapuram.

The Treasury Officers, Sivagangai, Ramanathapuram.

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 Principal Secretary-I 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 / II / W&M-I / Res.II) Department, Secretariat, Chennai-9.

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

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// Forwarded by Order //

M. Manickavelu
20/05/2022
Section Officer