



ABSTRACT

Water Resources Department - Announcement made by the Hon'ble Minister for Water Resources for 2022-2023- Rehabilitation of 7 irrigation structures in 3 Districts pertaining to Coimbatore Region for an amount of Rs.104.1341 Crore - Administrative Sanction accorded - Orders issued

Water Resources (S1) Department

G.O (Ms) No.41

Dated 20.06.2022

சுபகிருது, ஆணி 6

திருவள்ளூர் ஆண்டு 2053

Read again:

1. From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B4 / 0604 / 2022 / Rehabilitation / CBR / AE5 / OT5, dated 12.04.2022.
2. Government Letter No.1460 / 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 14 irrigation structures in 7 Districts will be taken up at an estimated cost of Rs.251.00 crore.

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department, has sent a proposal for rehabilitation of 7 irrigation structures in 3 Districts pertaining to Coimbatore Region at a cost of Rs.115.10 crore and the Schemes envisage the following:

- I. Rehabilitation of Parambikulam Main Canal from LS. 1.200 Km to LS 2.000 Km, LS. 3.000 Km to LS 3.300 Km and LS. 4.500 Km to LS 4.800 Km and LS 20.600 Km to LS 20.900 Km and LS 32.000 Km to LS 36.000 Km, Reconstruction of Aqueduct at LS 1.270 Km in Udumalpet Taluk of Tiruppur District and Reconstruction of Under Tunnel at LS 20.800 Km in Pollachi Taluk of Coimbatore District at an estimated cost of Rs.25.10 Crore
 - i The Parambikulam Main Canal off-takes from Thirumurthy Reservoir and runs for a length of 126.100 Km and there are

17 Nos. of Branch Canals and 98 Nos. of Distributaries. Due to ageing and continuous long run, the Parambikulam Main Canal from LS. 1.200 Km to LS 2.000 Km, LS. 3.000 Km to LS 3.300 Km, LS. 4.500 Km to LS 4.800 Km, LS 20.600 Km to LS 20.900 Km and LS 32.000 Km to LS 36.000 Km are in damaged condition. During inspection, it was ascertained that precast concrete slab lining and RR masonry lining have completely slided and fallen into the canal bed itself, thus reducing the size of the canal and obstructing free flow of water. The exposed soil surface is vulnerable to erosion and seepage. In order to restore the canal to its designed and original standards and to upkeep the canal fit for carrying the designed discharge, it is proposed to rehabilitate the Parambikulam Main Canal from 1.200 Km to LS 2.000 Km, LS 3.000 Km to LS 3.300 Km, LS 4.500 Km to LS 4.800 Km in Udumalpet Taluk of Tiruppur District and from LS 20.600 Km to LS 20.900 Km and LS 32.000 Km to LS 36.000 Km in Pollachi Taluk of Coimbatore District.

- ii The aqueduct at LS 1.270 Km is completely in damaged condition and thus leakage of water increases day by day which alarms the stability of the structures. In order to restore the canal to its designed and original standards and to upkeep the canal fit for carrying the designed discharge, it is proposed to reconstruct the Aqueduct at LS 1.270 Km in Udumalpet Taluk of Tiruppur District.
- iii The Under Tunnel at LS 20.800 Km which was constructed during 1965 is completely damaged and thus leakage of water increases day by day which alarms the stability of the structures. In order to restore the canal to its designed and original standards and to upkeep the canal fit for carrying the designed discharge, it is proposed to reconstruct the Under Tunnel at LS 20.800 Km in Pollachi Taluk of Coimbatore District.

II. Rehabilitation of 5 Nos of Vertical Shutters of Kodaganar Dam in Vedasandur and Gujiliyamparai Taluks of Dindigul District at a cost of Rs.15.00 Crore and Improvement to the carrying capacity of Right Main Canal of Kodaganar Dam from 100 cusecs to 200 cusecs in Vedasandur and Gujiliyampatti Taluks of Dindigul District and Aravakuruchi Taluk of Karur District at a cost of Rs.75.00 Crore.

The Kodaganar river originates from the eastern slopes of Palani Hills and flows through Dindigul and Vedasandur Taluks of Dindigul District and Aravakuruchi Taluk of Karur District and finally confluences with Amaravathi River near Karur which in turn joins the Cauvery river. The Kodaganar Dam was constructed across the Kodaganar river with five numbers of Vertical Shutters (40' x 10')

and two irrigation canals (Left and Right main canals) to irrigate 9000 acres and the Work was completed in 1977.

When the reservoir level reaches 22.00 feet out of 27.00 feet, the load bearing components get deflected at the top which results in a gap of maximum 75 mm at the middle of the span of each of the 5 No's of vertical shutters. The water oozes through the shutter components leading to fast corrosion. Hence, it is essential to repair 5 numbers of vertical shutters in the dam to store water effectively and to fulfil the irrigation needs of the benefitted ayacuts. It is proposed to rehabilitate 5 nos. of vertical shutters of the Kodaganar Dam in Vendasandur Taluk of Dindigul District.

The right side main canal sluice is located at LS 1425 m of the Kodaganar dam and vent size is 1.52 x 1.83 m. The present discharge capacity of the canal is 114.00 cusecs. As per rules, the Velliyannai tank will get water from Kodaganar Dam only during flood season. But the Canal is not able to supply flood water from Kodaganar Dam due to heavy leakages throughout the cross masonry structures such as aqueduct, canal syphon and super passages. As the time and quantity of surplus is limited to harvest the flood flow, the carrying capacity of the canal has to be increased and the damages in the canal have to be rectified. Hence, it has been proposed to increase the carrying capacity of the canal from 100 cusecs to 200 cusecs for supplying flood water to Velliyannai and other 3 tanks and to carry and rehabilitation works in the main canal in Karur District. It is proposed to increase the carrying capacity of the canal from 100 cusecs to 200 cusecs in Vendasandur and Gujiliyamparai Taluks of Dindigul District and Aravakurchi Taluk of Karur District.

3. The Chief Engineer, Plan Formulation, Water Resources Department has stated that all the above schemes have been prepared based on Schedule of Rates for 2021 - 2022 with escalation for the year 2022 - 2023 and requested to accord administrative sanction for rehabilitation of 7 irrigation structures in 3 Districts pertaining to Coimbatore Region at an estimated cost of Rs.115.10 crore under NABARD loan assistance.

4. In the letter second read above, the proposal for rehabilitation of 7 irrigation structures in 3 Districts pertaining to Coimbatore Region has been forwarded to NABARD for loan assistance under RIDF XXVIII for the year 2022-2023 at a restricted cost of Rs.1,04,13,41,000/-.

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 rehabilitation of 7 irrigation structures in 3 Districts pertaining to Coimbatore Region at a cost of Rs.104.1341 crore (Rupees One hundred and four crore, thirteen

lakh and forty one thousand only) in anticipation of loan assistance from NABARD under RIDF XXVIII for the year 2022-2023 as detailed below:

Sl No.	Name of work	Amount sanctioned (in Rupees)
1	Rehabilitation of Parambikulam Main Canal from LS 32.000 Km to LS 36.000 Km in Pollachi Taluk of Coimbatore District	5,90,44,000
2	Rehabilitation of Parambikulam Main Canal from LS 20.600 Km to LS 20.900 Km and Reconstruction of Under Tunnel at LS 20.800 Km in Pollachi Taluk of Coimbatore District	1,38,26,000
3	Rehabilitation of 5 Nos of Vertical Shutters of Kodaganar Dam in Vedsandur Taluk of Dindigul District	14,92,42,000
4.	Improvement to carrying capacity of Right Main Canal of Kodaganar Dam from 100 cusecs to 200 cusecs in Vedsandur and Gujiliyamparai Taluks of Dindigul District and Aravakurchi Taluk of Karur District	65,87,81,000
5.	Rehabilitation of Parambikulam Main Canal from LS. 1.200 Km to LS 2.000 Km and Reconstruction of Aqueduct at LS 1.270 Km in Udumalpet Taluk of Tiruppur District.	2,75,29,000
6.	Rehabilitation of Parambikulam Main Canal from LS. 3.000 Km to LS 3.300 Km in Udumalpet Taluk of Tiruppur District	5,46,56,000
7.	Rehabilitation of Parambikulam Main Canal from LS. 4.500 Km to LS 4.800 Km in Udumalpet Taluk of Tiruppur District	7,82,63,000
	Total	1,04,13,41,000

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

Sl. No. 1, 2, 5, 6 and 7 – Rs.23,33,18,000/-

4702 - 00 Capital Outlay on Minor Irrigation -
101 - Surface Water State's Expenditure -
AG Parambikulam - Aliyar Basin - Canals -
NABARD Assistance - 416 - Major Works -
01 - Major Works.

(IFHRMS DPC 4702 - 00 - 101 - AG - 416 01)

Sl. No. 3 – Rs.14,92,42,000/-

4700 - Capital Outlay on Major Irrigation -
01 - Cauvery Basin - 800 - Other Expenditure -
State's Expenditure - BB Dam and Appurtenant Works
- NABARD Assistance - 416 - Major Works -
01 - Major Works.

(IFHRMS DPC 4700 - 01 - 800 - BB - 416 01)

Sl. No. 4 – Rs.65,87,81,000/-

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 - 416 01)

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 the Supplementary Estimate 2022 - 2023 to Finance (PW-II / BG-I) Department at an appropriate time.

8. The Government have directed the Chief Engineers of Plan Formulation and Coimbatore Region, Water Resources Department and

District Collectors to formulate a time framework for execution of the works and should monitor the works till completion.

9. The concerned Engineers 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.

10. This order issues with the concurrence of Finance Department vide its U.O. No. 28805/PW-II/2022, dated 16.06.2022 and Additional Sanction Ledger No.369 (Three hundred and sixty 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, Coimbatore Region, Coimbatore-1.

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

The District Collectors, Coimbatore / Dindigul / Karur / Tiruppur

The Treasury Officers, Coimbatore / Dindigul / Karur / Tiruppur

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

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

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

The Principal Accountant General, O/o. 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), Chennai-9.

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

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

J. Mani
21/06/2022

Section Officer