



ABSTRACT

Water Resources Department – Announcement made by Hon'ble Minister (WR) - 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 at an estimated cost of Rs.10.05 Crore - Sanction accorded – Orders - Issued.

Water Resources (S1) Department

G.O. (3D) No.1

Dated 07.01.2022

பிலை, மார்கழி 23

திருவள்ளூர் ஆண்டு 2052

Read :

From the Engineer-in-Chief and Chief Engineer (General), Water Resources Department Letter No. S7(1)/68809E/ OT5/ 2003, dated 18.05.2021

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ORDER:

During the Water Resources Department's Demand for grants for the year 2021-2022 held on 23.08.2021, the Hon'ble Minister of Water Resources has announced on the floor of Assembly 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 Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai has sent a proposal received from the Chief Engineer, Chennai Region, Water Resources Department for the Work of 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 at an estimated amount of Rs.1020 lakh and requested to obtain administrative sanction from the Government.

3. He has stated that the scheme envisages the following.

- (a). The Sathyamoorthy Sagar Reservoir was constructed during the year 1940 - 1944 with a capacity of 2750 Mcft. in Poondi Village of Thiruvallur Taluk and District for augmentation of Chennai City Water supply. The capacity of the Reservoir was increased from 2750 Mcft to 3231 Mcft during the year 1996 under the Krishna Water Supply Project.
- (b). This Reservoir has 14 Nos. of surplus shutters, 2 Nos. of sand vent shutters and 4 Nos. of Head Sluices with vents of size 2m x 2m at

the right bank of the Reservoir to supply drinking water to the Chennai City through the Link Canal to the Redhills and Chembarambakkam Tanks. In addition to the Link Canal, Metro Water is directly pumping a maximum of 20 cusecs from the pumping station constructed across the Baby Canal, with 2 Nos. of 1.5 x 1.80m vent size shutters.

- (c). In addition to drinking water supply, the Reservoir water is being tapped through sluices by the Institute of Hydraulics and Hydrology Wing of the Water Resources Department which was formed in 1950 for Research purposes of irrigation structures for creating and running the models.
- (d). For the study of the Models, there are two sluice wells constructed on left and right sides of the bunds of the Reservoir and this Institute draws water from the above two sluices in the upstream side. The sluices were constructed more than 70 years back. The old sluices, masonry well located at the downstream side of the dam is now disturbed by growth of tree roots and subsequently due to the Nivar cyclone, the upstream sluice wells were damaged causing heavy flooding in and around the IHH campus. So, the damaged d/s sluice wells as well as the u/s sluice wells were temporarily restored by providing Ring bund and placing sand bags up to the FRL level in and around sluice wells, and thereby leaking of water through these sluices were arrested temporarily.
- (e). It has been reported that further damage should be avoided by reconstruction of an upstream sluice well with sufficient shutter provisions to regulate water to the IHH. As of now, the Reservoir water level is at FRL and it may continue up to June 2021, so, it is very much essential to reconstruct the sluices immediately in order to avoid any wastage of water and to avoid further damage to the dam structures.
- (f). This estimate is prepared with provision for leading channels, barrel portions, regulator arrangements with shutters along with necessary emergency gates and rear side cisterns.
- (g). This estimate has been prepared based on the schedule of rates for the year 2020 - 2021 and quotation received for Ready Mix Concrete works.

4. The Engineer-in-Chief, Water Resources Department and Chief Engineer (General), Public Works Department, Chennai has therefore, requested to accord administrative sanction for Reconstruction of the damaged IHH Sluice Wells and construction of a Gauge Well at the upstream side of the Sathyamoorthy Sagar Reservoir in Poondi Village of Thiruvallur Taluk and District at a revised estimated cost of Rs.10.20 Crore.

5. The Government, after careful examination, have decided to accept the above proposal of the Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai by restricting the cost of the works to Rs.10.05 crore. Accordingly, the Government accord Administrative sanction for the work of 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 at an estimated

cost of Rs.10.05 Crore (Rupees Ten Crore and five lakh only) in anticipation of loan assistance from NABARD under RIDF XXVII for the year 2021-2022 as detailed below:-

Sl. No.	Description of Works	Estimated amount (Rs.)
1.	Reconstruction of damaged IHH Sluice well at Left Flank	2,61,88,778
2.	Reconstruction of damaged IHH Sluice well at Right Flank	2,75,77,331
3.	Construction of Gauge well at Right Flank	35,80,352
4.	Provision for Sluice Shutters	1,45,87,824
5.	Provision for Top Protection Works	24,51,555
6.	Electrical works at Gauge Well, Left and Right Side Sluice	13,11,322
7.	Damaged Park and Lawns Renovation work	21,87,546
8.	Dome Sthabathy Work (Ornamental Work)	5,39,903
	Sub Total	7,84,24,611
9.	GST 12%	94,10,953
10.	LS Provision for Seigniorage Charge for Conveying Earth for Formation of Bund	81,22,375
11.	LS Provision for advertisement charges	1,50,000
12.	LS Provision for Price Escalation Charges for changed S.O.R. 5%	28,67,000
13.	Labour Welfare Fund 1%	7,84,246
14.	Petty Supervision, Unforeseen Items and Documentation Charge	7,84,246
	TOTAL	10,05,43,431

Further, the Government accord financial sanction for a sum of Rs.2,00,00,000/- (Rupees Two crore only) for the year 2021 – 2022 and the balance amount will be released in the subsequent financial year based on requirements.

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

4701 – Capital Outlay on Medium Irrigation – 02 – Chennai Basin
 – 800 – Other Expenditure State's Expenditure –
 AB Reservoirs – NABARD assistance – 416 Major Works
 01 Major Works.

(IFHRMS No. 4701 – 02 – 800 – AB – 41601)

7. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is the Estimating, Reconciling and controlling authority for the above said new Head of Account.

8. The Pay and Accounts Officer / Treasury Officer concerned are directed to open the above new Head of Account in their books.

9. The expenditure sanctioned in para 5 above shall constitute an item of "New Service" and the approval of the Legislature will be obtained in due course. Pending approval of the legislature, the expenditure will be met by drawl of an advance from the Contingency Fund. Orders regarding which will be issued

Finance (BG-I) Department separately. 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. He is also directed to send necessary explanatory notes for inclusion of the above expenditure in Supplementary Estimate 2021 - 2022 to Finance (PW-II / BG-I) Department at an appropriate time.

10. This order issues with the concurrence of Finance Department vide its U.O. No.59844/Fin(PW-II) / 2021, dated 07.01.2022 and Additional Sanction Ledger No. 1398 (one thousand three hundred and ninety eight).

(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, Chennai Region, Chennai-5

The District Collector, Thiruvallur-602001.

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.

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

The Pay and Accounts Officer (South), Chennai-15.

The Treasury Officer, Thiruvallur-602001

Copy to

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

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

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

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

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// Forwarded by Order //

S. Mani
11/01/2022
Section Officer