ABSTRACT

Water Resources Department – Announcement made by the Hon'ble Minister for Water Resources for 2022-2023- Construction of 3 Sub Surface Dykes in Ranipet, Tirupathur and Vellore Districts to recharge and enhance ground water level at an estimated cost of Rs.84,51,48,000/- in anticipation of loan assistance from NABARD under RIDF XXVIII for the year 2022-2023- Administrative Sanction accorded - Orders issued

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Water Resources (S1) Department

G.O (Ms) No.46 **Dated 23.06.2022**

சுபகிருது, ஆனி 9

திருவள்ளுவர் ஆண்டு 2053

Read:

1. From the Chief Engineer, Plan Formulation, Water Resources Department Letter No. B4 / 0604 / Announcement 22-23 / SSD / AE4 / OT2 /2022, dated 13.04.2022.

2. Government Letter No.1452 / FS(P) / Fin (Res.II)/2022, Finance Department, dated 05.05.2022.

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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 "3 Sub Surface Dykes will be constructed in Ranipet, Tirupathur and Vellore Districts to recharge and enhance ground water level at an estimated cost of Rs.88.00 crore".

2. Based on the above announcement, the Chief Engineer, Plan Formulation has sent a proposal along with the detailed estimates for construction of 3 Sub Surface Dykes in Ranipet, Tirupathur and Vellore

Districts to recharge and enhance ground water level at an estimated cost of Rs.86.35 Crore and the Schemes envisage the following:

A. Construction of Subsurface Dyke across the Palar river near Arumparuthi Village in Katpadi Taluk of Vellore District at an estimated amount of Rs.25.00 Crore

(i) The proposed Subsurface Dyke is located across River Palar in Arumparuthi village in Katpadi Taluk of Vellore District, at LS 85 Km of river from Andhra Pradesh-Tamil Nadu Border.

(ii). The Palar River originates in Nandhi Durg hills in Kolar district of Karnataka State, runs over 222 Km in Tamil Nadu and confluences with Bay of Bengal about 8 Km from Kalpakkam Atomic Research Station.

(iii). The subsurface flow is more in Palar river. Hence, it has been proposed to carry out Sub Surface Artificial Recharge Structures to augment underground water potential. The sub surface dyke will act as an underground barrier and is one such viable structure for ground water recharge.

(iv). By implementation of this scheme, 5 infiltration wells, 62 wells lying within zone of influence of dyke and 240 hectares of ayacut will be benefitted. Also, the ground water will be recharged and the drinking water needs of the people and livestock in the adjacent areas will be fulfilled.

B. Construction of Subsurface Dyke across the Palar River near Thiruparkadal - Valavanur Village in Arcot and Walajah Taluks of Ranipet District at an estimated amount of Rs.48.00 Crore

(i). The proposed Subsurface Dyke is located across Palar in Thiruparkadal – Valavanur Village in Arcot and Walajah Taluks of Ranipet District, at LS 253 Km of river from Andhra Pradesh – Tamil Nadu Border.

(ii). The Palar River originates in Nandhi Durg hills in Kolar district of Karnataka State, runs over 222 Km in Tamil Nadu and confluences with Bay of Bengal, about 8 Km from Kalpakkam Atomic Research Station.

(iii). The subsurface flow is more in Palar river. Hence, it is proposed to carry out sub surface artificial recharge structures to augment underground water potential. The sub surface dyke will act as an underground barrier and is one such viable structure for ground water recharge.

(iv). By implementation of this scheme, 45 infiltration wells which will ensure 9.80 lakh litres of drinking water for 4.18 lakh of people, 158 wells lying within zone of influence of dyke and 556.40 hectares of ayacut will be benefitted. Also, the ground water will be recharged and the drinking water needs of the people and livestock in the adjacent areas will be fulfilled.

(C).<u>Construction of Subsurface Dyke across the Malattar river near Nariyampattu Village in Ambur Taluk of Tirupathur District at an estimated amount of Rs.13.35 Crore</u>

(i). The proposed Subsurface Dyke is located across Malattar (locally named Goddar) in Nariyampattu Village in Ambur Taluk of Tirupathur District. The proposed site can be reached from Ambur – Pernampet road, branching 230m left from bridge (construction under progress).

(ii). River Malattar is a tributary of Palar River which originates in Andhra Pradesh and enters Tamil Nadu near Pernampet. Based on representations received from public of Nariyampattu Village, this scheme was taken for investigation.

(iii). A Subsurface Dyke is proposed to augment groundwater potential of the adjacent areas. This scheme is one such viable scheme for groundwater recharge and to arrest the subsurface flow in Malattar.

(iv). By implementation of this scheme, 4 infiltration wells, 85 wells lying within zone of influence of dyke and 244 hectare of ayacut will be benefitted. Also, the ground water will also be recharged and the drinking water needs of the people and livestock in the adjacent areas will be fulfilled.

3. The Chief Engineer, Plan Formulation, has stated that no land acquisition is involved in these Schemes and the total estimate has been worked out as per Schedule of Rates 2021-22 and with escalation for the year 2022-23 and also mandatory LS provisions have been included in the estimate and requested to accord administrative sanction for construction of 3 Sub Surface Dykes in Vellore, Ranipet and Tirupathur Districts at an estimated cost of Rs.86.35 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.84,51,48,000/-.

5. The Government after careful examination, have decided to accept the above proposal of the Chief Engineer, Plan Formulation, Water Resources Department by restricting the cost of the works to Rs.84,51,48,000/- in anticipation of loan assistance from NABARD. Accordingly, administrative and Financial sanction is accorded for construction of 3 Sub Surface Dykes in Ranipet, Tirupathur and Vellore Districts to recharge and enhance ground water level at an estimated cost of Rs.84,51,48,000/- (Rupees Eighty four crore, fifty one lakh and forty eight thousand only) in anticipation of loan assistance from NABARD under RIDF XXVIII as detailed below:

Sl No.	Name of work	Amount sanctioned (in Rupees)
1	Construction of Subsurface Dyke across the Palar river near Arumparuthi Village in Katpadi Taluk of Vellore District.	24,81,70,000
2	Construction of subsurface Dyke across the Palar River near Thiruparkadal - Valavanur Village in Arcot and Walajah Taluks of Ranipet District.	47,86,94,000
3	Construction of Subsurface Dyke across Malattar river near Nariyampattu Village in Ambur Taluk of Tirupathur District	11,82,84,000
	Total	84,51,48,000

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

4700 – Capital Outlay on Major Irrigation – 03 Palar Basin – 800 – Other Expenditure State's Expenditure – FB – Barrage – NABARD Assistance - 416 – Major Works – 01 Major Works.
(IFHRMS DPC 4700 – 03 – 800 – FB – 416 01)

7. The expenditure sanctioned in para 5 above shall constitutes an item of "New Instrument of Services" 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. Orders regarding which will be issued by

Finance (BG-I) Department separately. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is directed to send necessary proposal to Government in Finance (BG-I) Department directly in Form "A" appended to the Tamil Nadu Contingency Fund Rules, 1963 with a 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 the Supplementary Estimate 2022-2023 to Finance (PW-II / BG-I) Department at an appropriate time.

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.28707/PW-II/2022, dated 22.06.2022 and Additional Sanction Ledger No. 443 (Four hundred and forty three).

(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.
The Chief Engineer, Institute of Water Studies, Hydrology and Quality Control, Taramani, Chennai-113.
The District Collector, Vellore.
The District Collector, Ranipet.
The District Collector, Tirupathur
The Treasury Officers, Vellore / Ranipet / Thirupathur.
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), Secretariat, Chennai-9.
The Finance (P.W.II / B.G.I / BG II/ W&M / Res.I / II) Department, Secretariat, Chennai-9.
The Water Resources (OP-II / ISpl.I) Department, Secretariat, Chennai-9.
Stock File / Spare Copy.

// Forwarded by Order //

23/06/2022

Section Officer

23/6/2022