



ABSTRACT

Water Resources Department – Announcement made by the Hon'ble Minister (Water Resources) for 2022-2023- Conducting Surveying & Levelling Operation for preparing Detailed Project Report for providing irrigation facilities to the dry lands in a few villages of Sulur, Madukarai, Sulthanpet and Kinathukadavu Blocks in Coimbatore District using treated effluent water from Ukkadam Sewage Treatment Plant of Coimbatore Municipal Corporation at a cost of Rs.26,95,250/- Administrative and Financial Sanction accorded - Orders issued

Water Resources (S1) Department

G.O (2D) No.43

Dated 20.06.2022

சுபகிருது, ஆணி 6

திருவள்ளூர் ஆண்டு 2053

Read :

From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B4 /Announcement 2022-23 / Investigation works / AE5 /OT5 /2022, dated 12.04.2022.

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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 (Water Resources) had announced on the floor of the Assembly that Surveying and leveling operations for preparing Detailed Project Report for providing Irrigation facilities to the nearby Sulur and Mathukarai villages in Coimbatore Municipal Corporation using treated effluent water from Ukkadam Sewage Treatment Plant will be conducted at an estimated cost of Rs.27.50 Lakh.

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for conducting Surveying & Levelling operation for preparing Detailed Project Report for providing Irrigation facilities to the dry lands in a few villages of Sulur, Madukarai, Sulthanpet and Kinathukadavu Blocks in Coimbatore District using treated effluent water from Ukkadam Sewage Treatment Plant of Coimbatore Municipal Corporation with the following scheme details :

- (i). Based on the request made by Thiru. S.R.Rajagopal, Chairman, Parambikulam Aliyar Irrigation Scheme, to utilize treated sewage water from Ukkadam, Nanjundapuram and Ondiputhur Sewage Treatment Plants (STPs) belonging to the Coimbatore Municipal Corporation to give irrigation facilities to Chettipalayam,

Kothavadi, Sulthanpet and Palladam, the scheme of "Providing Irrigation facilities to the dry lands in a few villages of Sulur, Madukarai, Sulthanpet and Kinathukadavu Blocks in Coimbatore District using treated effluent water from Ukkadam Sewage Treatment Plant of Coimbatore Municipal Corporation was taken up for preliminary investigation works.

- (ii). The Commissioner, Coimbatore Corporation has informed that the Ukkadam Sewage Treatment Plant having capacity of 70 MLD has already been commissioned and at present a quantum of 30 MLD sewage is being treated and this treated water could be taken either from the Sewage Treatment Plant, Ukkadam or a tank (Lagoon) at solid waste dumping area at Vellalore and that water could be utilized for purposes other than drinking purpose and the entire 70 MLD of treated water could be utilized in future.
- (iii). The quality of water is assured as suitable for irrigation by the Tamil Nadu Pollution Control Board, Coimbatore and Tamil Nadu Agricultural University by conducting laboratory tests of the samples collected in the above Sewage Treatment Plant.
- (iv). Benefits that could be accrued:
 - a) It has been estimated that available treated water is 400 Mcft/year (for 30 MLD) and considering a dry crop having base period of 120 days with average delta of 40 cm, an ayacut to an extent of 2200 acres would be benefitted.
 - b) It has been assumed that since the water is available throughout the year, cultivation may be possible for three seasons in a year. Hence, the area irrigated during a year is $3 \times 2200 = 6600$ Acres (for 3 crop seasons). Hence, the Annual Irrigation Intensity will be $= (6600/2200) \times 100 = 300\%$.
 - c) The above area is tentative only. The exact area will be calculated after finalizing the method of irrigation (micro irrigation or other), type of crops practicing in the area, soil type, prevailing climate conditions, etc.
 - d) It is learnt that no uniform cropping pattern is being followed in the proposed area. Considering the water use efficiency, value of crop, productivity, etc, it is planned to develop a total ayacut to an extent of about 10000 acres by adopting micro irrigation methods which includes stabilization of the existing command area (if possible).
 - e) However, the maximum achievable extent of ayacut could be finalized only after detailed investigation works. The localization of ayacut will be done after finalizing the extent of irrigated area in consultation with Revenue and Disaster Management Department and other relevant departments.
 - f) It has been presumed that the villages viz. Chettipalayam Village and Myleripalayam Village of Madukkarai Taluk and Thegani Village, Arasampalayam Village, Karacheri Village,

Vadachittur Village, Kondampatti Village, Kothavadi Village & Kinathukadavu Village of Kinathukadavu Taluk would be benefitted.

- (v). This work is considered as special and unique in nature.
- (vi). The entire work such as Planning, Designing and Preparation of Estimates for an irrigation project (Micro Irrigation) after conducting surveying and levelling for the proposed alignment of pipe lines and Cadastral Surveying using Total Station/DGPS for fixing boundary of project area preparing contour maps, and excavating trial pits and designing of headwork arrangement /pumping & booster station/sumps/ tanks/ etc. are inter-related and could not be separated and has to be carried out by the experts.
- (vii). Hence, an estimate for conducting Surveying and Levelling (S&L) is necessary to carry out above Works, other Studies, collection of data, etc. to prepare a Detailed Project Report (DPR)

3. The Chief Engineer, Plan Formulation has stated that this estimate has been prepared based on a quotation obtained from a reputed firm in this type of work viz. M/s. Shri. Thangam Sons & Co. Erode and the amount works out to Rs.27.50 Lakh. He has requested that Administrative Sanction for the above estimate may be obtained for an amount of Rs.27.50 Lakh under State Fund.

4. 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.26,95,250/-. Accordingly, sanction is accorded for conducting Surveying & Levelling Operation for preparing Detailed Project Report for the Work of providing Irrigation facilities to the dry lands in a few villages of Sulur, Madukarai, Sulthanpet and Kinathukadavu Blocks in Coimbatore District using treated effluent water from Ukkadam Sewage Treatment Plant of Coimbatore Municipal Corporation for Rs.26,95,250/-(Rupees Twenty six lakh ninety five thousand two hundred and fifty only).

5. The Chief Engineer, Plan Formulation, Water Resources Department, Chennai is directed to take necessary action to investigate the above scheme. During the Study, environmental impact of using water for irrigation needs to be studied. Further, alternate uses like Territory Treatment Reverse Osmosis (TTRO) plants shall also be looked into.

6. The expenditure sanctioned in para 4 above shall be debited to the following head of account:-

2701 - Medium Irrigation - 80 - General -
001 - Direction and Administration - State's Expenditure
- JI - Investigation of Projects on Surveying and
Levelling Operations - 317 Minor Works -
01 Minor Works.

(IFHRMS DPC 2701 - 80 - 001 - JI - 31701)

7. Necessary additional funds of Rs.26,95,250/- will be provided in Revised Estimate / Final Modified Appropriation 2022 – 2023. However, this expenditure shall be brought to the notice of the Legislature by Specific Inclusion in the Supplementary Estimate 2022 – 2023. Pending provision of such funds. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai-5 is authorized to draw and disburse the amount sanctioned in para 4 above. He is also directed to include this item of expenditure while sending the budget proposal for Revised Estimate / Final Modified Appropriation 2022 – 2023 and also send necessary draft explanatory note for inclusion of this expenditure in the Supplementary Estimate 2022 – 2023 to Government in Finance (BG.I / PW-II) Department at the appropriate time without fail.

8. This order issues with the concurrence of the Finance Department vide its U.O. No.28274/PW-II/2022, dated 16.06.2022 and Additional Sanction Ledger No. 370 (Three hundred and seventy).

(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 Collector, Coimbatore

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

The District Treasury Officer, Coimbatore.

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, O/o. Principal Accountant General (General and Social Sector Audit), Secretariat, Chennai-9.

Copy to

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

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

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

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

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// Forwarded by Order //

M. Anand
22/06/2022
Section Officer