



ABSTRACT

Water Resources Department – Announcement for the year 2021-2022 made by the Hon'ble Minister for Water Resources – Construction of Cut and Cover Channel from L.S. 550 m to 910 m and Open Channel from L.S. 910 m to 3090 m of Paruthipattu Tank Surplus Course in Avadi Taluk of Thiruvallur District at an estimated amount of Rs.21.90 crore- Sanction accorded – Orders issued.

Water Resources (S1) Department

G.O. (2D) No. 26

Dated 04.05.2022

சுபகிருது, சித்திரை 21

திருவள்ளூர்வரஆண்டு 2053

Read :

1. From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B4 / 2308 / Announcement 21-22 / Paruthipattu / AE 1 / OT2 / 2021, dated: 13.10.2021
2. Government Letter No 51295/ Fin(Res-II)/ 2021-1, Finance Department, dated 29.11.2021

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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 announced on the floor of the Assembly that "In order to save the rain water available during the monsoon seasons efficiently, 5 new canal Scheme Works will be taken up in Thiruvannamalai, Villupuram, Thiruvallur, Tenkasi and Thoothukudi districts".

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for Construction of Cut and Cover Channel from L.S. 550m to 910m and Open Channel from L.S. 910m to 3090m of Paruthipattu Tank Surplus Course in Avadi Taluk of Thiruvallur District at a cost of Rs.21.90 crore and has stated that the Scheme envisages the following:

- a) The Paruthipattu Tank is located in Avadi Taluk of Thiruvallur District. It is a System fed chain of tank and is a part of the Cooum Sub basin. The Paruthipattu Tank forms one of the important constituent of the chain of tanks with Vilijnambakkam tank as the source in the upstream and

feeds the Ayyapakkam tank in the downstream. This tank was supporting various agricultural and aqua cultural activities of the nearby settlements. But at present, the high extent of urbanization in the catchment area has affected free flow of the surface water.

- b) The salient features of the tank are
1. Length of Bund - 2100 m
 2. No of Sluices - 3
 3. No of Weir - 1
 4. Ayacut - 360.32 Ha
 5. Capacity - 0.88 MM³
- c) During monsoon, the flood surplus discharged through the weir spreads along the nearby areas causing severe inundation. Due to urbanization, the flood surplus could not pass through adequate passage and hence, prolonged inundation is observed en-route for a long period even after the end of monsoon rains. The en-route has now become a thickly populated domestic area due to which there is no clear surplus course available. Also pronounced inundation is observed for a long period even after the rain recedes.
- d) To avoid the inundation problems, it is proposed to connect the Paruthipattu tank surplus through a defined course to the existing lower portions of the field channel originating from Sluice No.2 of the Paruthipattu tank, which finally discharges into the Ayyapakkam Tank. Hence, by connecting the Paruthipattu tank surplus with the field channel, the entire flood could be conveyed into the Ayyapakkam tank effectively without perennial inundation problems.
- e) Therefore, in this Work, formation of a surplus course for a length of 3090m is taken into consideration. Out of the total length of 3090m, 460m is in Poonamallee - Avadi road, 360m is in Vasantham Nagar Main road, 1906m runs in channel poramboke and the remaining 364m runs in patta land. Since, the existing width is less than the designed width it is not possible to carry out the proposed surplus course in the existing channel. Hence, the surplus drain is proposed as Cut & Cover type along the Avadi - Poonamallee road from L.S. 90 m to 550 m and Vasantham Nagar Main road from 550 m to 910 m and also as open channel in the existing channel poramboke from L.S. 910 m to 3090 m for discharge into the Ayyapakkam Tank.

- f) The Cut & Cover drain along the Avadi – Poonamallee road from L.S. 90m to 550m has to be carried out by the Highways Department. Hence, construction of the Cut & Cover Drain along the Vasantham Nagar Main road from 550m to 910m as a single vent of size 5.00m X 2.10m to carry a discharge of about 575 cusecs will be carried out. Also, in this cut & cover proposal, manholes are provided at intervals of 30m. Moreover, formation of an Open Channel from the Paruthipattu Tank to the Ayapakkam tank also will be carried out in this Work.
- g) By implementation of this Scheme, the people living in highly vulnerable areas, prone to flood such as Vivekananthan Nagar, Vasantham Nagar and Rajboi Nagar will be safeguarded from inundation.
- h) The scheme cost works out to Rs.21.90 Crore as per the Schedule of Rates for 2021 – 2022.

3. Abstract of the estimate as follows:

Sl. No.	Description of Works	Amount (in Rupees)
1.	Construction of Cut & Cover channel from L.S.550m to 910m	5,60,62,438
2.	Construction of Open Channel from L.S.910m to 3090m	13,07,15,818
3.	Provision for GST @ 12%	2,24,13,391
4.	Provision for Total station survey for pre and post project	2,50,000
5.	Provision for Mastic Pad and Water Stopper, etc.,	15,00,000
6.	Provision for Labour Welfare Fund @ 1%	18,67,783
7.	Provision towards Tender Advertisement Charges	1,60,000
8.	Provision for Quality Control, Soil Testing, Concrete Testing, Photographic & Video Documentation, Name Board, Sign Board etc.	1,00,000
9.	Provision towards Petty Supervision Charges and Unforeseen Items at 2.5%	46,69,456
10.	Provision towards Dewatering Charges, shifting the existing service such as water pipe line, telephone cable and Electrical cable, road diversion, etc., during execution	12,61,114
	Total	21,90,00,000

4. The Chief Engineer, Plan Formulation, Water Resources Department has requested to accord sanction for the proposal for construction of a Cut and Cover Channel from L.S. 550m to 910m and an Open Channel from L.S. 910m to 3090m of the Paruthipattu Tank Surplus Course in Avadi Taluk of Thiruvallur District at an amount of Rs.21.90 crore under NABARD or NIDA loan assistance.

5. The Government have examined the proposal and decided to accept the above proposal subject to 50% (i.e.) Rs.10.95 crore being met out from NABARD loan assistance and the remaining 50% (i.e.)Rs.10.95 crore will be met out from the Capital Grant Fund of Municipal Administration and Water Supply Department for 2022 - 2023.

6. Accordingly, in the letter second read above, the Government have forwarded the proposal for construction of a Cut and Cover Channel and Open Channel to NABARD for loan assistance under RIDF XXVII for the year 2021-2022 at a cost to Rs.10.95 Crore (50% of Rs.21.90 crore).

7. In the circumstances, administrative sanction is accorded for construction of a Cut and Cover Channel from L.S. 550m to 910m and an Open Channel from L.S. 910m to 3090m of the Paruthipattu Tank Surplus Course in Avadi Taluk of Thiruvallur District at an estimated cost of Rs.21.90 Crore, out of which 50% fund (i.e.)Rs.10.95 crore shall be met in anticipation of loan assistance from NANARD under RIDF XXVII for 2021 - 2022 and the remaining 50% i.e. Rs.10.95 crore shall be met under the Capital Grant Fund of the Municipal Administration and Water Supply Department for the year 2022 - 2023.

8. The Chief Engineer, Plan Formulation, Water Resources Department / the Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai are requested to forward the fund requirement proposal along with the detailed estimate to the Government in Municipal Administration and Water Supply Department for availing 50% of funding under the Capital Grant Fund for the year 2022-2023.

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 Municipal Administration and Water Supply Department vide its U.O. No.6846/MC 3/2022-1, dated 24.03.2022 and Finance Department vide its U.O. No.18204/PW-II/2022, dated 26.04.2022

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

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

The District Collectors, Chennai / Tiruvallur District.

The Commissioner of Greater Chennai Corporation, Chennai-3.

The Commissioner of Avadi Corporation, Avadi, Chennai-54.

The Commissioner of Municipal Administration, Chennai-5.

The District Treasury Officer, Tiruvallur District.

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

Copy to

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

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

The Special Personal Assistant to Hon'ble Minister (Municipal Administration and Water Supply), Chennai-9.

The Additional Chief Secretary, Municipal Administration and Water Supply Department, Secretariat, Chennai-9.

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

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

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// Forwarded by Order //

f. Manickavelu
04/05/2022
Section Officer
RES
04/05/2022

