



ABSTRACT

Water Resources Department – Announcement made by Hon'ble Minister for Water Resources for 2022-2023 – Construction of an Anicut across Vaigai river to feed Kattikulam, Milaganur and other Tanks in Manamadurai Taluk of Sivagangai District at an estimated cost of Rs.30,60,00,000/- - Administrative and Financial sanction accorded - Orders issued

Water Resources (S2)Department

G.O(4D)No.1

Dated: 30.01.2023

சுபகிருது, தை 16,

திருவள்ளூர் ஆண்டு 2054

Read :

From the Chief Engineer, Plan Formulation,
Letter No.B /AE3 / AEE3 / Anno 22-23 / 0604 /
Anicuts-MR / 2022, dated.12.04.2022 and
10.06.2022.

•/•/•

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 "5 New Anicuts will be constructed in Kancheepuram, Sivagangai and Tenkasi Districts at an estimated cost of Rs.84.30 crore."

2. Based on the announcement of Hon'ble Minister, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for Construction of an Anicut across Vaigai river to feed Kattikulam, Milaganur and other Tanks in Manamadurai Taluk of Sivagangai District at an estimated cost of Rs.30.60 Crore and the Schemes envisages the following:

- (i) The proposed Anicut site is located in Latitude 9°45'51.9"N and Longitude 78°22'18.56"E. The proposed Anicut lies in Lower Vaigai sub basin of Vaigai basin.
- (ii) There is a head sluice at LS 29 km in RMC of Virahanur regulator to feed the Tank Kattikulam and simultaneously head sluices are there to feed Muthanendal, Milahanur, Thuthikulam, Kirungakottai, Kelamelkudi, Kalpiravu, Manamadurai and its allied Tanks.
- (iii) The present bed level of the river is lower than the sill level of the existing head sluices. Due to monsoon deficiency during the

past five years and due to local mining, these Tanks are not getting adequate water, which affects cultivation and in turn leads to crop failure. It is also found that the ryots are usually forming earthen bund on upstream of head sluice to draw water towards the supply channel.

(iv) Hence, it is proposed to construct an Anicut with one head sluice on right side of Vaigai river and formation of Flood banks in up stream and down stream of Anicut. The proposed Anicut is located around 100 m downstream of existing Kattikulam Tank offtake. The back water of the proposed Anicut will feed the Kattikulam Tank directly through supply channel (from existing head sluice with sill level 80.490) and its allied Tanks. Muthanendal, Milaganur and other Tanks will be fed through Right Main Channel (RMC) by the proposed head sluice.

(v) Hydraulic particulars of proposed Anicut:

Weir Portion:

Length of weir	- 233.00 m
Height of weir	- 2.10 m
Crest level of Anicut	- + 82.180 m
Maximum flood discharge of Anicut	- 95880.00 Cusecs

Scour vent portion

No. of scour vents	- 3 Nos.on each side
Size of Scour vents	- 2.50 m x 2.10 m
Length of scour vent portion	- 13.50m
M F D of scour vent portion	- 6181.95 Cusecs

Head sluice portion

No. of Head sluice	- 1 No.
No. of vents in Head sluice	- 2 Nos.of size 2.00mx 1.00m
M F D of Head sluice	- 300.17 cusecs
Sill level of Head sluice	- + 81.180 m
Length of Flood banks	- up stream – 1400 m on both banks down stream – 300 m on both banks.

(vi) On executing this scheme, indirect ayacuts of Kattikulam, Muthanendal, Milahanur, Thuthikulam, Kirungakottai, Kelamelkudi, Kalpiravu, Manamadurai Tanks of 1562.43 Ha will get benefitted.

(vii) The B.C Ratio works out to be 3.75:1 and the cost per Hectare is Rs.1,95,849/-

3. The Chief Engineer, Plan Formulation, Water Resources Department has further stated that no land acquisition is involved in these Schemes and the estimates have been prepared based on the Schedule of Rates for 2021 – 2022 with cost escalation for 2022- 2023 and requested Administrative Sanction for the Construction of an Anicut

across Vaigai river to feed Kattikulam, Milaganur and other Tanks in Manamadurai Taluk of Sivagangai District at an estimated cost of Rs.30.60 Crore.

4. The Government, after careful examination, have decided to accept the proposal of the Chief Engineer, Plan Formulation, Water Resources Department. Accordingly Administrative sanction is accorded for Construction of an Anicut across Vaigai river to feed Kattikulam, Milaganur and other Tanks in Manamadurai Taluk of Sivagangai District at an estimated cost of Rs.30.60 crore (Rupees Thirty crore and sixty lakh only), subject to obtaining approval from the District Green Committee before commencing the work.

Sl. No	Description	Estimate (amount in Rupees)
1	Civil Works	25,41,27,700
2	GST	3,04,95,324
	Miscellaneous	
3	PS Charges, Contingencies and Unforeseen items @ 2.5%	53,90,591
4	Provision for Advertisement Charges 1% on work	2,00,000
5	Provision for Labour Welfare fund at 1% on total cost	30,60,000
6.	Provision for Photographic Charges	20,000
7	Price escalation charges 2022-2023	1,27,06,385
	Total	30,60,00,000

Out of which Rs.50,00,000/- (Rupees Fifty lakh only) is earmarked for the current financial year 2022 - 2023 and the balance will be released during the next financial year based on the requirement.

5. The expenditure sanctioned in para 4 above shall be debited to the following Head of Account :

4700 - Capital Outlay on Major Irrigation -
 05 - Vaigai Basin - 800 - Other Expenditure -
 State's Expenditure - DA - Weir - 416 - Major Works -
 01 Major Works.

(IFHRMS DPC 4700 - 05 - 800 - DA - 41601)

6. The Chief Engineer, Water Resources Department, Madurai Region, Madurai and District Collector, Sivagangai are directed to obtain approval from the District Green Committee before commencing the work as sanctioned in para 4 above.

7. The expenditure sanctioned in para 4 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 initially will be met by drawal of an advance from the Contingency Fund, for which orders 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 along 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 without fail.

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. The Chief Engineer, Water Resources Department, Madurai Region is directed to finalise all tender procedures within 45 days from the date of receipt of copy of Government Order to avoid price escalation.

10. This order issues with the concurrence of Finance Department vide its U.O. No.1275/PW-II/2023, dated.21.01.2023 and Additional Sanction Ledger No.2321 (Two thousand three hundred and twenty one) (IFHRMS ASL No.20230112321)

(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, Institute of Water Studies, Hydrology and Quality Control, Taramani, Chennai-113.

The Chief Engineer, Water Resources Department, Madurai Region, Madurai.

The District Collector, Sivagangai.

The District Treasury Officer, Sivagangai.

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

The Pay and Accounts Officer, Madurai.

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.

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-I) Department, Secretariat, Chennai-9.

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

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// Forwarded by Order //

M. Mani
30/01/2023
Section Officer
30/1/2023