



ABSTRACT

Water Resources Department – Announcement made by the Hon'ble Minister for Water Resources for 2022-2023 – Special Desilting Works in Madurai Region at a cost of Rs.2,95,90,000/- - Administrative and Financial sanction accorded - Orders issued

Water Resources (S2) Department

G.O (2D) No.49

Dated 28.06.2022

சுபகிருது, ஆனி 14

திருவள்ளூர் ஆண்டு 2053

Read:

From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No.B / Special Desilting / 2022 / AE3 / OT3 / 2022, dated. 20.04.2022.

* * *

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 "Special Desilting works will be carried out in Coimbatore and Madurai Region River systems before the monsoon rain at an estimated cost of Rs.6.00 crore similar to the special desilting works executed in Cauvery Basin of Trichy Region."

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for Special desilting works in Vaigai, Thamirabarani and Kodayar sub basins in Madurai Region at an estimated cost of Rs.3.00 Crore and the Scheme envisages the following:

A. Special desilting works in Vaigai Basin

- (i) Old Ayacut of Vaigai River of about 1,36,109 acres is spread over in three Districts viz. Madurai, Sivagangai and Ramanathapuram Districts. The supply channels of Vaigai Basin system are silted up heavily and cause obstruction to free flow of water.

(ii) The supply channel and the supply channel bunds are heavily eroded and the beds are silted up and thereby affecting the carrying capacity of the channels. Also, heavy jungle growth is obstructing the flow in the channels severely. Hence, it has been proposed to desilt the following supply channels in Vaigai Basin.

- a) Madathukulam supply channel LS 0 m to 6500 m
- b) Thuvariman supply channel LS 0 m to 4700 m
- c) Keelamathur supply channel LS 0 m to 3000m
- d) Sathaiyar Odai from 0 m to 5000 m
- e) Menurunji supply channel
- f) Puliyangudi supply channel and surplus course

(iii) It has also been proposed to desilt the above Supply channels prior to monsoon period to avoid flood damages. The carrying capacity of the channels will be restored which will enable easy flow of water up to the tail end area so that the irrigation activities can be commenced simultaneously throughout the system.

(iv) Hence, estimates of the following 6 desilting works for an amount of Rs.1.00 crore pertaining to Vaigai Basin in Madurai Region has been prepared for obtaining Administrative sanction from Government.

S. No.	Name of work	Estimate Amount (Rupees in Lakhs)
1.	Special desilting of Madathukulam supply channel LS 0 m to 6500 m in Madathukulam Village, Madurai West Taluk, Madurai District	24.50
2.	Special desilting of Thuvariman supply channel LS 0 m to 4700 m in Thuvariman Village, Madurai West Taluk, Madurai District	19.00
3.	Special desilting of Keelamathur supply channel LS 0 m to 3000 m in Keelamathur Village, Madurai West Taluk, Madurai District	7.00
4.	Desilting of Sathaiyar Odai from 0 m to 5000 m in Kanapatti Village in Vadipatti Taluk of Madurai District	24.50
5.	Special desilting of Menurunji supply channel in Sooragundu Village of Melur Taluk in Madurai District	15.00
6.	Special Desilting of Puliyangudi supply channel and surplus course in Ettimangalam and Pudhusakkumpatti Village of Melur Taluk of Madurai District	10.00
	Total	100.00

B. Special desilting works in Thamiraparani Basin

- (i) Thamiraparani originates at Agasthyarmalai (+1870 m) in the Western Ghats. There are 8 Anicuts across River Thamiraparani and 11 main channels taking off from these Anicuts. 86107 acres of land are getting irrigation through these 11 Channels directly and indirectly, through tanks.
- (ii) Tirunelveli Channel is one of the major irrigation channel under Thamiraparani Anicut System, which takes off from Suthamalli Anicut, which is the 6th Anicut across Thamiraparani River. It flows for a length of 28.40 Km and irrigates 3000 acres of direct ayacut and 3410 acres of indirect ayacut through 23 tanks accounting for a total ayacut of 6410 acres. It ends at Kuppakurichi Pudukulam Tank at Kuppakurichi Village in Tirunelveli Taluk. The Channel runs for a length of 6 Km in Tirunelveli Corporation limit.
- (iii) The channel is silted up heavily and has lost its carrying capacity. The entry of sewage and dumping of solid waste has further caused more growth of water hyacinth and algae which has further reduced the conveyance efficiency. This has resulted in inadequate supply of water to the tail end area. Due to this, during excessive rainfall in the catchment area, water could not be carried out by the Tirunelveli Channel and it flanks out and inundates the Town area.
- (iv) North Main Channel is originating at the Left flank of Srivaikuntam Anicut. The length of North Main Channel is 19.25 K.m. There are 7 Nos. of Tanks which are getting water from North Main Channel System. The total Ayacut benefitted by this system is 12800 acres. (Direct = 3289 acres, Indirect = 9511 acres.)
- (v) Due to the continuous water flow, the portion of L.S. from 0 m to 13600 m is completely obstructed due to the formation of sediments like silt and soil. Water flow is heavily affected and the deposits have to be removed and the channels have to be maintained in good condition to avoid flood damages and to ensure supply upto tail end reaches.
- (vi) Hence, estimates for the following 2 desilting works for an amount of Rs.1.00 crore pertaining to Thamiraparani Basin in Madurai Region has been prepared for obtaining Administrative sanction from Government.

S. No	Name of work	Estimate Amount In Lakhs
1.	Special Desilting works to Tirunelveli channel under Thamiraparani System in Tirunelveli Taluk of Tirunelveli District	70.00

2.	Special Desilting works to North Main Channel under Thamiraparani System in Eral Taluk of Thoothukudi District	30.00
	Total	100.00

C. Special Desilting Works for the Canal in Kodayar Irrigation System in Kanniyakumari District

- (i) The major River in Kanniyakumari District is Kodayar which originates from the western slopes of Agasthia Hills in Western Ghats and confluences with the Arabian Sea near Thengapattanam. Chittar I and Chittar II Rivers are the minor tributaries of the River Kodayar which confluence near Kaliyar in this River. Kodayar River is also called as Thambaraparani or Kuzhithuraiyar below the location where the major tributary of this River named Paralayar confluences with this River near Moovaatumugam. Also, Mullaiyar River is a small stream that joins the River Kodayar at Thikkurichi.
- (ii) The Rivers Kodayar and Paralayar have one anicut each at Tiruparappu and Aruvikarai respectively. Also, there are 11 number of small Anicuts constructed across the Mullaiyar River. The total length of the Main Canals, Branch Canals and the distributaries is about 450 Km.
- (iii) During the year 2021 North East Monsoon Season, heavy rainfall was observed in many places. The flood flow made more deposition in the channels. These deposition have to be removed before the monsoon period to bring back the channel to its original standards. This will help supply upto tail end reaches besides, avoiding flooding due to poor discharging capacity.
- (iv) Hence, estimates of following desilting works for an amount of Rs.1.00 crore pertaining to Kodayar Irrigation System in Madurai Region has been prepared for obtaining Administrative sanction from Government.

Sl. No	Name of work Component	Estimate (Rupees in Lakh)
1	Special Desilting and removal of scrub jungle in Theraikal from L.S. 0/000 to 3/200 km in Thirupathisaram Village of Thoivalai Taluk in Kanniyakumari District.	18.75
2	Special Desilting and removal of scrub jungle in Theraikal from L.S. 3/200 to 6/400 km in Theraikalputhooor Village of Agastheeswaram Taluk in Kanniyakumari District.	13.85

3	Special Desilting and scrub jungle clearance in V mile Escape Kal in Thiruppathisaram Village of Thoivalai Taluk in Kanniyakumari District.	8.90
4	Special Desilting and scrub jungle clearance in Peesathi Escape Kal in Putheri Village of Thoivalai Taluk in Kanniyakumari District.	8.00
5	Special Desilting and scrub jungle clearance in Marthal Escape Kal via Thenkal kulam to Vambar in Bhoothapandy Village of Thoivalai Taluk in Kanniyakumari District.	8.50
6	Special Desilting and scrub jungle clearance in Puthukulam Supply Kal in Chiramadam Village of Thoivalai Taluk in Kanniyakumari District.	2.00
7	Special Desilting in supply channels, escape and surplus Kals under Thoivalai Channel System in Kanniyakumari District.	15.00
8	Special Desilting in branch channels, supply channels, escape and surplus Kals under Nanchil Nadu Puthanar Channel System in Kanyakumari District.	25.00
	Total	100.00

3. The Chief Engineer, Plan Formulation, Water Resources Department has stated that mandatory lump sum provisions have been made in all the detailed estimates and requested to accord Administrative Sanction for Special desilting works in Vaigai, Thamirabarani and Kodayar sub basins in Madurai Region at an estimated cost of Rs.3.00 Crore.

4. The Government, after careful examination, have decided to accept the proposal of the Chief Engineer, Plan Formulation, Water Resources Department at a restricted cost of Rs.2,95,90,000/- and accordingly Administrative and Financial sanction is accorded for Special desilting works in Vaigai, Thamirabarani and Kodayar sub basins in Madurai Region at an estimated cost of Rs.2,95,90,000/- (Rupees Two crore, ninety five lakh and ninety thousand only) as follows:

Sl. No	Name of Work	Estimated (amount in Rupees)
1	Special desilting works in Vaigai Basin	99,37,000
2	Special desilting works in Thamiraparani Basin	97,30,000
3	Special Desilting Works for the Canals in Kodayar Irrigation System in Kanniyakumari District	99,23,000
	Total	2,95,90,000

5. The expenditure sanctioned in para 4 above shall be debited to the following Head of Account (40-01):

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

(IFHRMS DPC 4700-05-800-CA-416-01) -

Sl. No.1. - Rs.99,37,000/-

4701 - Capital Outlay on Medium Irrigation -
01 - Thamiraparani Basin - 800 - Other Expenditure -
State's Expenditure - CA Canals - 416 - Major Works -
01 Major Works.

(IFHRMS DPC 4701-01-800-CA-416-01) -

Sl.No.2 - Rs.97,30,000/-

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

(IFHRMS DPC 4700-05-800-EA-416-01)-

Sl. No.3. - Rs.99,23,000/-

6. The concerned District Collectors are requested to monitor all the desilting works sanctioned in para 4 above their respective Districts as is being done in the desilting Works in the Cauvery Basin.

7. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai and Chief Engineer, Water Resources Department, Madurai Region are requested to follow the Terms and Conditions laid down in G.O (2D) No. 24, Water Resources (K1) Department, dated 08.04.2022, while executing the desilting work.

8. 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. 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 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.

9. 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.

10. This order issues with the concurrence of Finance Department vide its U.O. No.29154/PW-II/2022, dated 23.06.2022 and Additional Sanction Ledger No.466 (Four hundred and sixty six).

(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, Madurai Region, Madurai.

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

The District Collector, Madurai.

The District Collector, Tirunelveli.

The District Collector, Thoothukudi.

The District Collector, Kanniyakumari.

The District Collector, Sivagangai.

The District Collector, Ramanathapuram.

The District Collector, Tenkasi.

The District Treasury Officer, Madurai.

The District Treasury Officer, Tirunelveli.

The District Treasury Officer, Thoothukudi.

The District Treasury Officer, Kanniyakumari.

The District Treasury Officer, Sivagangai.

The District Treasury Officer, Ramanathapuram.

The District Treasury Officer, Tenkasi.

The Pay and Accounts Officer, Madurai.

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, 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.
Stock File / Spare Copy.

// Forwarded by Order //

M. Anilkant
29/06/2022
Section Officer
28/6/2022