



ABSTRACT

Water Resources Department – Announcement made by the Hon'ble Minister for Water Resources for 2022-2023 - Special desilting works in Bhavani, Amaravathi and Parambikulam Aliyar Sub basins in Coimbatore Region at an estimated cost of Rs.3.00 Crore - Administrative Sanction accorded - Orders issued

Water Resources (S1) Department

G.O (2D) No.37

Dated 01.06.2022

சுபகிருது, வைகாசி 18

திருவள்ளூர் ஆண்டு 2053

Read :

From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B4 / 0604 / 2022 / Desilting / AE5 / T4 / 2022, dated. 11.04.2022.

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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 for Water Resources has announced on the floor of the Assembly 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 to the Government for according administrative sanction for Special desilting works in Bhavani, Amaravathi and Parambikulam Aliyar Sub basins in Coimbatore Region at an estimated cost of Rs.3.00 Crore. The proposal envisages the following:-

A . Special desilting works in Bhavani sub basin

- (i) The Lower Bhavani Project is unique of its kind and the first major irrigation project sanctioned and executed after independence.
- (ii) The Lower Bhavani Dam is a composite dam with spillway, river sluices, penstock and canal sluice blocks in the river bed.

It has necessary non-spillway portion at the end. The total length of the dam is 8.797 km.

- (iii) One Main Canal on the right flank starts from the Canal sluices block in the masonry dam. The total length of this canal is 200 km. A major portion of the main canal flows in embankment reaches.
- (iv) Due to continuous flow of water, considerable quantity of silt and shoals are deposited on the bed which obstruct easy flow of water in the canal. This leads to stagnation of water and increase in seepage losses during irrigation period. Hence, required quantity of water is not realised at the required point of distribution in the canal and so it needs to be desilted before onset of the monsoon period.
- (v) Hence, based on the above announcement, estimates for 10 desilting works at a cost of Rs.1.00 crore pertaining to Bhavani Sub basin in Coimbatore Region have been prepared.

B. Special desilting works in Amaravathy sub basin in Coimbatore Region

- (i) Amaravathy is one of the tributaries of river Cauvery. It originates from Western Ghats near Moonar hills in Kerala State and Anaimalai hills in Udumalpet Taluk of Tiruppur District. The total length of the river is 227 km. Amaravathy Dam was constructed across this river during 1953 to 1958. This reservoir provides irrigational facilities to old ayacuts besides Amaravathi Main canal which irrigates new ayacuts. The canals in the system acts as flood carrier canals and hence siltation is more. These deposits have to be removed and the canals have to be maintained in good condition to avoid flood damages and to ensure supply upto tail end reaches
- (ii) Hence, based on the above announcement, estimates for 13 desilting works at a cost of Rs.1.00 crore pertaining to Amaravathy sub basin in Coimbatore Region have been prepared.

C. Special desilting works in Parambikulam Aliyar sub basin in Coimbatore Region

- (i) The Parambikulam Main Canal originates from Thirumurthy Reservoir and runs for a distance of 126.10 km.
- (ii) Due to turn system being followed, there is siltation and thereby enormous vegetation growth which affects water distribution in the system. Considerable quantity of silt and

shoals are deposited on the bed which obstruct easy flow of water in the canal.

- (iii) Hence, based on the announcement, estimates for 33 desilting works at a cost of Rs.1.00 crore pertaining to Parambikulam Aliyar Sub Basin in Coimbatore Region have been prepared.

3. The Chief Engineer, Plan Formulation, Water Resources Department, has stated that the estimates have been prepared based on the Schedule of rates for 2021-2022 and requested for administrative sanction for the Special desilting works in Bhavani, Amaravathi and Parambikulam Aliyar Sub Basins in Coimbatore Region at an estimated cost of Rs.3.00 Crore.

4. The Government, after careful examination, have decided to accept the above proposal of the Chief Engineer, Plan Formulation, Water Resources Department. Accordingly, sanction is accorded for Special desilting works in Bhavani, Amaravathi and Parambikulam Aliyar sub basins in Coimbatore Region at an estimated cost of Rs.3.00 Crore (Rupees Three crore only) as detailed below :

S. No	Name of Work	Estimate Amount (Rupees in Lakh)
Special desilting works in Bhavani sub basin		
1.	Desilting Unjalur Distributary between mile 0/0 to 8-6-640 in Perundurai and Modakkurichi Taluks of Erode District.	15.00
2.	Desilting Unjalur Distributary between mile 8-6-640 to tail end in Modakkurichi and Kodumudi Taluks of Erode District.	10.00
3.	Desilting the bed of Lower Bhavani Project Main Canal from LS 74/1/230 to 82/3/320 in Modakkurichi and Perundurai Taluks of Erode District.	14.70
4.	Desilting the bed of Lower Bhavani project Main canal from LS 82/3/320 to 86/4/320 in Perundurai Taluk of Erode District.	10.00
5.	Desilting the bed of Lower Bhavani Project Main Canal from LS 86/4/320 to 92/6/410 in Perundurai Taluk of Erode District.	11.30
6.	Desilting the bed of Lower Bhavani Project Main Canal from mile 93/0 to 101/0 in Kangayam Taluk of Tiruppur District.	10.00

7.	Desilting the bed of Lower Bhavani Project Main Canal from mile 101/0 to 109/0 in Kangayam Taluk of Tiruppur District.	10.00
8.	Desilting the bed of Lower Bhavani Project Main Canal from mile 109/0 to 113/2 in Kangayam Taluk of Tiruppur District.	5.00
9.	Desilting the bed of Lower Bhavani Project Main Canal from mile 113/2 to 118/4 in Kangayam Taluk of Tiruppur District.	7.00
10.	Desilting the bed of Lower Bhavani Project Main Canal from mile 118/5 to 124/2-560 in Kangayam Taluk of Tiruppur District.	7.00
<u>Special desilting works in Amaravathy sub basin in Coimbatore Region</u>		
11.	Desilting the bed of Ramakulam Old Channel from LS 0.00 KM to 9.00 KM in Udumalpet Taluk of Tiruppur District.	4.30
12.	Desilting the bed of Kumaralingam Old Channel from LS 0.00 KM to 14.40 KM off taking from Kumaralingam Anicut at LS 8.00 KM of Amaravathi River in Madathukulam Taluk of Tiruppur District.	8.30
13.	Desilting the bed of Kadathur Old Channel from LS 0.00 KM to 11.50 KM offtaking from Kadathur Anicut at LS 31.20 KM of Amaravathi River and Desilting the bed of Karatholuvu Old Channel from LS 0.00 KM to 12.40 KM offtaking from Karatholuvu Anicut at LS 35.36 KM of Amaravathi River in Madathukulam Taluk of Tiruppur District.	7.70
14.	Desilting the bed of Alangium Old Channel from LS 0.00 KM to 11.00 KM offtaking from Alangium Anicut at LS 48.96 KM of Amaravathi River and Desilting the bed of Dhalavaipattinam Old Channel from LS 0.00 KM to 11.00 KM offtaking from Dhalavaipattinam Anicut at LS 50.88 KM of Amaravathi River in Dharapuram Taluk of Tiruppur District.	8.00
15.	Desilting the bed of Dharapuram Old Channel from LS 0.00 KM to 24.00 KM offtaking from Dharapuram Anicut at LS 56.32 KM of Amaravathi River in Dharapuram Taluk of Tiruppur District.	9.95
16.	Desilting the bed of Kolinjivadi Old Channel from LS 0.00 KM to 24.00 KM offtaking from Kolinjivadi Anicut at LS 62.72 KM of Amaravathi River in Dharapuram Taluk of Tiruppur District.	9.85

17.	Desilting the bed of Nanjaithalaiyur Old Channel from LS 0.00 KM to 9.90 KM offtaking from Nanjaithalaiyur Anicut at LS 141.40 KM of Amaravathi River and Desilting the bed of Sundakkampalayam Old Channel from LS 0.00 KM to 7.63 KM offtaking from Sundakkampalayam Anicut at LS 154.80 KM of Amaravathi River in Dharapuram Taluk of Tiruppur District.	6.90
18.	Desilting the bed of Chinnadharapuram Old Channel from LS 0.00 KM to 21.12 KM offtaking from Chinnadharapuram Anicut at LS 148.32 KM of Amaravathi River and Desilting the bed of Nanjaikalakurichi Old Channel from LS 0.00 KM to 10.17 KM offtaking from Nanjaikalakurichi Anicut at LS 171.20 KM of Amaravathi River in Aravakurichi Taluk of Karur District	9.95
19.	Desilting the bed of Left Bank Canal from LS 18000M to 27000M and its Kuruvatharu branch canal in Manmangalam Taluk of Karur District.	8.00
20.	Desilting the bed of Left Bank canal from LS 28170M to 37615M and its Mettuvaikkal, Somur and Koyamballi branch canals in Manmangalam Taluk of Karur District.	7.00
21.	Desilting the bed of Right Bank canal from LS 250M to 8900M in Manmangalam and Karur Taluks of Karur District.	7.00
22.	Desilting the bed of Right Bank canal from LS 9710M to 20960M in Manmangalam and Karur Taluks of Karur District.	6.45
23.	Desilting the bed of Kalivu, Kattalai, Maruthanthapuram, Puthukkottai and Manavasi branch canals of Right Bank Canal in Krishnarayapuram Taluk of Karur District.	6.60
<u>Special desilting works in Parambikulam Aliyar sub basin in Coimbatore Region</u>		
24.	Clearing the scrub jungle and removal of silt in Pallivilangal Channel	2.30
25.	Clearing the scrub jungle and removal of silt in Ariyapuram Channel	4.50
26.	Clearing the scrub jungle and removal of silt in Karaipatti Channel	3.00
27.	Clearing the scrub jungle and removal of silt in Periyantai Channel	5.75
28.	Clearing the scrub jungle and removal of silt in Vadakklur Channel	2.45

29.	Clearing Jungle and removal of fallen earth and debris in Ramachandrapuram Distributary and its Branch Distributaries for II Zone Irrigation in Udumalpet Taluk of Tiruppur District	2.50
30.	Clearing jungles and removal of fallen earth and debris in Veerapandi distributary of II Zone Irrigation in Palladam Taluk of Tiruppur District	2.50
31.	Clearing jungle and removal of fallen earth and debris in Marappagoundapalayam Distributary of II Zone Irrigation in Palladam Taluk of Tiruppur District	2.00
32.	Clearing jungle and removal of fallen earth and debris in Muthugoundampalayam Distributary and Branch Distributaries in Dharapuram Taluk of Tiruppur District	2.00
33.	Clearing jungle and removal of fallen earth and debris in Eragampatty distributary and Branch Distributaries in Dharapuram Taluk of Tiruppur District	1.50
34.	Clearing Jungle and removal of fallen earth and debris in 2(L),5(R), 7(L), 12(R) and 14(L) of distributary and Branch Distributaries of Periyakumarapalayam Branch Canal in Dharapuram Taluk of Tiruppur District.	2.00
35.	Clearing Jungle and removal of fallen earth and debris in 18(L), 20(R), 24(R) and 32(D) of Distributary and Branch Distributaries of Periyakumarapalayam branch canal in Dharapuram Taluk of Tiruppur District.	3.50
36.	Clearing Jungle and removal of fallen earth and debris in Nandhavanampalayam Distributary and Branch Distributaries in Dharapuram Taluk of Tiruppur District.	1.50
37.	Clearing Jungle and removal of fallen earth and debris in Kadaiyur distributary and its Sub Distributaries under the jurisdiction of Kadaiyur Village Water User's Association area in Parambikulam Aliyar Project in Kangayam Taluk of Tiruppur District.	3.00
38.	Clearing Jungle and removal of fallen earth and debris in Andipalayam distributary and its Sub Distributaries under the jurisdiction of South Avinasipalayam II Village Water User's Association area in Parambikulam Aliyar Project in Tiruppur South Taluk of Tiruppur District.	1.00
39.	Clearing Jungle and removal of fallen earth and debris in Puthurnatham Distributary and its Sub Distributaries under the jurisdiction of Thongutupalayam Village Water User's Association area in Parambikulam Aliyar Project in Tiruppur South Taluk of Tiruppur District.	1.00

40.	Clearing the Jungle and removal of fallen earth and debris in Putherichel Distributary and Pangampalayam Distributary and its branch Distributaries under the jurisdiction of Kokkampalayam Village Water User's Association area in Dharapuram Taluk of Tiruppur District.	4.50
41.	Clearing Jungle and removal of fallen earth and debris in Kovilpalayam Distributary and its Sub Distributaries under the jurisdiction of Alagumalai Village Water User's Association area in Parambikulam Aliyar Project in Tiruppur South Taluk of Tiruppur District.	2.50
42.	Clearing the jungle and removal of fallen earth and debris in the Distributaries and Sub Distributaries of Poosaripatty branch canal and Boliyampatty distributary and Sub Distributaries for II zone Irrigation in Pollachi Taluk of Coimbatore District	5.00
43.	Clearing the Jungle and removal of fallen earth and debris in distributaries of Kanjampatty Branch in Pollachi Taluk of Coimbatore District.	4.50
44.	Clearing the Jungle and removal of fallen earth and debris in distributaries of Senguttupalayam Branch Canal in Pollachi Taluk of Coimbatore District.	4.00
45.	Clearing jungles and removal of fallen earth and debris in Chettiakkapalayam sub branch canal from L.S.0.000Km to 5.450km and its distributaries in Kinathukadavu Taluk of Coimbatore District	5.00
46.	Clearing Jungle and removal of Fallen Earth and debris in Palar Leading Channel, Supply Channel of Valayapalayam Tank and its Anicut in Udumalpet Taluk of Tiruppur District	4.35
47.	Clearing Jungle and removal of fallen earth in Mile 3/4/500 (R) Distributary offtake from PMC in Udumalpet Taluk in Tiruppur District	3.53
48.	Clearing Jungle and removal of fallen earth and debris in Mile 9.7.000 (R) Marulpatti distributary of Udumalpet Canal in Udumalpet Taluk of Tiruppur District	2.60
49.	Clearing Jungle and removal of fallen earth and debris in Mile 12/0/000 (L) Chinnaveerampatti Distributary of Udumalpet Canal in Udumalpet Taluk of Tiruppur District	2.40
50.	Clearing Jungle and removal of fallen earth in the Distributaries off taking from LS 5.065 km to 5.820 km of Ponnapuramputhur Branch canal and its Sub Distributaries under the jurisdiction of the Dhasarpatty Village Water Users Association in Parambikulam Aliyar Irrigation Project in Dharapuram Taluk of Tiruppur District.	5.25

51.	Clearing the Jungle and removal of fallen earth and debris in Gomangalam Distributary in Udumalpet Taluk of Tiruppur District	3.00
52.	Clearing jungle and removal of fallen earth in Somavarapatty, A Nagoore and Kondampatty, Distributaries of Pudupalayam Branch Canal in Udumalpet Taluk of Tiruppur District	4.03
53.	Clearing the jungle and removal of silt and fallen earth in the canals under the jurisdiction of Paranjervazhi Village Water User's Association area in Parambikulam Aliyar System in Kangayam Taluk of Tiruppur District.	2.00
54.	Clearing the jungle and removal of fallen earth in the Sub branch Canals of 14.000 km (R) Distributary from L.S. 4.200 km to 8.975 km of vkbc under the jurisdiction of Pachapalayam -2 Village Water User's Association area in Parambikulam Aliyar System in Kangayam Taluk of Tiruppur District.	2.44
55.	Clearing the jungle and removal of fallen earth in the Distributary under the jurisdiction of Vellakovil -1 Village WUA area in Parambikulam Aliyar System in Kangayam Taluk of Tiruppur District.	2.40
56.	Clearing the jungle and removal of fallen earth in the Distributary under the jurisdiction of Mettupalayam -2 Village Water User's Association area in Parambikulam Aliyar System in Kangayam Taluk of Tiruppur District.	2.00
	Total	300.00

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

Sl. No. 1 to 23 – Rs.2,00,00,000/-

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

(IFHRMS DPC 4700 – 01 – 800 – CA – 416 01)

Sl. No. 24 to 56 – Rs.1,00,00,000/-

4702 00 Capital Outlay on Minor Irrigation –
 101 – Surface Water State's Expenditure –
 AF Parambikulam – Aliyar Basin Canal - 416 - Major Works -
 01 - Major Works.

(IFHRMS DPC 4702 – 00 – 101 – AF – 416 01)

6. 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.

7. The District Collectors are directed to monitor the desilting works as is being done in the Cauvery Basin.

8. 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.

9. This order issues with the concurrence of Finance Department vide its U.O. No.26742/PW-II/2022, dated 31.05.2022 and Additional Sanction Ledger No.276 (Two hundred and seventy 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, Institute of Water Studies, Hydrology and Quality Control, Taramani, Chennai-113.

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

The District Collector, Erode.

The District Collector, Coimbatore

The District Collector, Karur.

The District Collector, Tiruppur.

The Treasury Officers, Erode / Karur / Tiruppur / Coimbatore.

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.

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// Forwarded by Order //

A. Manickavelu
Section Officer
01/06/2022
16/06/2022