



ABSTRACT

Water Resources Department – Announcements Schemes 2023 - 2024 – Four Permanent Flood Protection works in Gerugambakkam and Kolapakkam areas of Adyar Sub-Basin in Kancheepuram District at an estimated cost of Rs.69.45 Crore – Administrative, and Financial Sanction accorded – Orders issued.

Water Resources (I.Spl-2) Department

G.O.(D) No. 172

Dated:03.08.2023

சோபகிருது, ஆடி 18

திருவள்ளூர் ஆண்டு 2054

Read

From the Chief Engineer, Water Resources Department, Plan Formulation, Chennai -5 Letter No. B4 / 2905 / 2023 / 4 (FM-C) / CR / AE1 / OT3. Dated 13.04.2023 and 30.05.2023.

Order:

While moving the Water Resources Department demand for the year 2023-2024 held on 29.03.2023, the Hon'ble Minister for Water Resources Department has announced in the floor of Assembly that "சென்னை மற்றும் காஞ்சிபுரம் மாவட்டங்களில் அடையாறு உப வடிநிலத்தில் போளூர், கெருகம்பாக்கம், கொளப்பாக்கம், மணப்பாக்கம் ஆகிய பகுதிகளில் வெள்ளத்தால் ஏற்படும் பாதிப்பினை நிரந்தரமாக தடுக்க 6 வெள்ளத்தடுப்புப் பணிகள் ரூபாய் 88 கோடி மதிப்பீட்டில் மேற்கொள்ளப்படும்".

2. Based on the announcement, In the letter read above, the Chief Engineer, Water Resources Department, Plan Formulation, Chennai has submitted the estimates viz. 1. Improvements to Gerugambakkam Channel from LS 160m to LS 1500m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs.19.16 crore, 2. Improvements to Gerugambakkam Channel from LS 1300m to LS 2300m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs.15.29 crore, 3. Construction of Retaining Wall and Widening and desilting the Kolapakkam Channel I in Kolpakkam Village in Kundrathur Taluk of

Kancheepuram District at an estimated cost of Rs.23.28 crore and 4. Construction of new cut & cover channel from Kolapakkam channel - I to Link odai along Kolapakkam - Pozhichalur road in Kundrathur taluk of Kancheepuram District at an estimated cost of Rs.11.72 crore.

3. The scheme envisages the following:

I. Improvements to Gerugambakkam Channel from LS 160m to LS 1500m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District

(a) Gerugambakkam Channel is the one of the branch channel of the Porur Tank surplus which off take from Manapakkam Channel at L.S 1390m in Gerugambakkam Village. It runs for a distance of 2300m and it confluences into the Link Odai, finally it reaches Adayar River.

(b) Presently the Channel is heavily silted up, so it is necessary to dredge the Channel and conveying the silt removed silt into the low lying areas to execute the above work.

In the estimate provisions are given for constructing retaining wall on both sides of Gerugambakkam Channel and branch Channel.

In some portions electric poles and transformer are situated nearer to the Channel. It is necessary to shift the EB poles and transformer to execute the work. The provisions are given in the estimate to shift poles and other EB lines across the Channel. The estimate has been prepared with the following provisions:

- Construction of flood protection wall.
- Construction of flood protection wall in the Branch Channel.
- Construction of single vent Cut & Cover Channel.
- Construction of Precast Box Culverts.
- Removal of Hyacinth, floating materials in Channels.
- Dredging the Gerugambakkam Channel.
- Eviction of encroachments in the Channel.
- Provision for total station survey for pre and post project.
- Provision for shutter arrangements.
- Provision for restoration charges for Highways road and diversion of road.
- Provision for EB Pole shifting.
- Provision for shifting the existing service such as water pipeline, telephone cable and electrical cable etc.,
- Provision for quality control and soil testing charges.

- Provision for sign boards, Barricade arrangements in traffic diversion points and wherever necessary.

(c) By implementing these flood protection works, the frequent damages due to flood will be prevented in areas such as Ganesh Nagar, MRK Nagar, Max Worth Nagar, M.G.R Nagar, Raja Lakshmi Nagar at Kolapakkam Villages, Madha Nagar, Sidhu salai in Mugalivakkam Village, VGN Mahalakshmi Nagar, BHEL Nagar, Indira Nagar at Manapakkam Villages in every monsoon flood.

II. Improvements to Gerugambakkam Channel from LS 1500m to LS 2300m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District

(a) Gerugambakkam Channel is one of the branch channels of the Porur Tank surplus which off take from Manapakkam Channel at L.S 1390m in Gerugambakkam Village. It runs for a distance of 2300m and it confluences into the Link Odai, finally it reaches Adayar River.

Presently the Channel is heavily silted up, so it is necessary to dredging the Channel and conveying the removed silt into the low lying areas to execute the above work.

In the estimate provisions are given for constructing retaining wall on both sides of Gerugambakkam Channel and branch channel.

(b) In some portions electric poles and transformer are situated nearer to the Channel. It is necessary to shift the EB poles and transformer to execute the work. The provisions are given in the estimate to shift poles and other EB lines across the Channel. The estimate has been prepared with the following provisions:-

- Construction of flood protection wall.
- Construction of flood protection wall in Branch Channel.
- Construction of single vent Cut & Cover Channel.
- Construction of Precast Box Culverts.
- Removal of Hyacinth, floating materials in Channels.
- Dredging the Gerugambakkam Channel.
- Eviction of encroachments in the Channel.
- Provision for total station survey for pre and post project.
- Provision for shutter arrangements.
- Provision for restoration charges for Highways road and diversion of road.
- Provision for EB Pole shifting.
- Provision for shifting the existing service such as water pipeline, telephone cable and electrical cable etc.,

- Provision for quality control and soil testing charges.
- Provision for sign boards, Barricade arrangements in traffic diversion points and wherever necessary.

(c) By implementing these flood protection works, the frequent damages due to flood will be prevented in areas such as Ganesh Nagar, MRK Nagar, Max Worth Nagar, M.G.R Nagar, Raja lakshmi Nagar at Kolapakkam Villages, Madha Nagar, Sidhu salai in Mugalivakkam Village, VGN Mahalakshmi Nagar, BHEL Nagar, Indira Nagar at Manapakkam Villages in every monsoon flood.

III. Construction of Retaining Wall and Widening and desilting the Kolapakkam Channel - I in Kolpakkam Village in Kundrathur Taluk of Kancheepuram District

(a) Kolapakkam Channel-I is the one of the branch Channels of the Porur Tank surplus which off takes from Manapakkam Channel at L.S 2840m. It runs for a distance of 2530m and it confluences into Adayar River.

This Channel is not completely functional due to encroachments, inadequate width of Channel and also runs through patta land. Hence, the Land Acquisition is necessary.

In the estimate, provisions are given for constructing retaining wall on both sides of Kolapakkam Channel-II. This Channel is running through patta lands and confluence into Adayar River. So the Land Acquisition is necessary for a length 1300m in Kolapakkam Village of Kundrathur Taluk of Kancheepuram District to link upto confluence point. The Land acquisition proposal has already been submitted to the District Administration.

(b) In some portions, electric poles and transformer are situated nearer to the Channel. It is necessary to shift the EB poles and transformer to execute the work. The provisions are given in the estimate to shift poles and other EB lines across the Channel.

- The estimate has been prepared with the following provisions:-
- Construction of flood protection wall and inlet arrangements.
- Construction of Gravity wall at upstream side and downstream side of inlets.
- Regulator Arrangements at Manapakkam Channel.
- Dredging the Kolappakm Channel-I.
- Desilting and widening of Kolapakkam Channel.
- Precast Box Culverts for Road Crossing.
- Provision for Shutter Arrangements.

- Provision for shifting the existing service such as water pipeline, telephone cable etc.,
- Provision for EB Pole shifting and the existing electrical cable & transformer.
- Provision for Restoration charges for Highways road and diversion of road.
- Provision for quality control, soil testing charges etc.,
- Provision for sign boards, barricade arrangements in traffic diversion points and wherever necessary

(c) By implementing of these flood protection works, the frequent damages due to flood will be prevented in areas such as Ganesh Nagar, MRK Nagar, Max Worth Nagar, M.G.R Nagar, Raja Lakshmi Nagar at Kolapakkam Villages, Madha Nagar, Sidhu salai in Mugalivakkam Village, VGN Mahalakshmi Nagar, BHEL Nagar, Indira Nagar at Manapakkam Villages in every monsoon flood.

IV. Construction of new Cut & Cover channel from Kolapakkam channel - I to Link Odai along Kolapakkam - Pozhichalur Road in Kundrathur Taluk of Kancheepuram District.

(a) The Kolapakkam channel -I off takes from Manapakkam Channel, then the Kolapakkam channel-I bifurcate into two small Channels.

One travels through Kollapakkam Village, VGN Padmavathi Nagar and finally confluences into Adyar River. The other Channel runs quite opposite to Kolapakkam Panchayat office and confluences into Link Odai.

(b) This channel has been silted up and it is being used as road. Due to incessant heavy rainfall the flood water inundated the upper areas of the Channel and flood water got stagnated for more than a month. The areas such as Perumal Kovil Street, Maxworth Nagar, MRK Nagar and T.Poonambalam Salai and the local people who reside in the cited areas started agitating to drain out the water.

(c) In view of the above situation, in order to drain out flood water, construction of a Cut and Cover Drain is proposed to drain out the water. In some portions electric poles and transformer are situated nearer to the Channel. Therefore, it is necessary to shift the EB poles and transformer to execute the work. The provisions are given in the estimate to shift poles and other EB lines across the channel. The estimate has been prepared with the following provisions:-

- Construction of single vent Cut and Cover Channel.
- Provision for Shutter arrangements.
- Provision for EB Pole shifting.

- Provision for Restoration charges for Highways road and diversion of road.
- Provision for shifting the existing service such as water pipeline, telephone cable etc.,
- Provision for quality control, soil testing charges etc.,
- Provision for sign boards, barricade arrangements in traffic diversion points and wherever necessary.

(d) By implementing these flood protection works, the frequent damages due to flood will be prevented in Perumal Kovil Street, Maxworth Nagar, MRK Nagar and T.Poonambalam Salai and these areas will be free from inundation.

4. The Chief Engineer, Water Resources Department, Plan Formulation, Chennai has therefore requested the Government to accord sanction for the works of 1. Improvements to Gerugambakkam Channel from LS 160m to LS 1500m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs.19.16 crore, 2. Improvements to Gerugambakkam Channel from LS 1300m to LS 2300m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs.15.29 crore, 3. Construction of Retaining Wall and Widening and desilting the Kolapakkam Channel - I in Kolpakkam Village in Kundrathur Taluk of Kancheepuram District at an estimated cost of Rs.23.28 crore and 4. Construction of new cut & cover channel from Kolapakkam channel - I to Link odai along Kolapakkam - Pozhichalur road in Kundrathur taluk of Kancheepuram District at an estimated cost of Rs.11.72 crore.

5. The Government after careful consideration have decided to accept the request of the Chief Engineer, Water Resources Department, Plan Formulation, Chennai and hereby accord Administrative sanction for the four permanent flood protection works in Gerugambakkam and Kolapakkam area of Adayar Sub Basin in Kancheepuram District at an estimated cost of Rs.69,45,00,000/- (Rupees Sixty nine crore and forty five lakhs only) anticipating loan assistance from NABARD under RIDF XXIX for the year 2023-2024 as detailed below:-

Sl. No	Name of the Work	Cost (Rupees in crore)
1	Improvements to Gerugambakkam Channel from LS 160m to LS 1500m in Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District.	19.16
2	Improvements to Gerugambakkam Channel from LS 1300m to LS 2300m in	15.29

	Gerugambakkam Village in Kundrathur Taluk of Kancheepuram District.	
3	Construction of Retaining Wall and Widening and desilting the Kolapakkam Channel - I in Kolapakkam Village in Kundrathur Taluk of Kancheepuram District.	23.28
4	Construction of new cut & cover channel from Kolapakkam channel - I to Link odai along Kolapakkam - Pozhichalur road in Kundrathur taluk of Kancheepuram District.	11.72
	Total	69.45

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

"4701 Capital Outlay on Medium Irrigation - 02 Chennai Basin - 800 Other expenditure - State's Expenditure - CB Controller NABARD Assistance 416 - Major works - 01 Major works"

[IFHRMS DPC : 4701 02 800 CB 41601]

7. The expenditure sanctioned in para 5 above shall constitutes an item of "New Instrument of Services" and the approval of the Legislature will be obtained in due course. Pending approval of the legislature, the expenditure will be met by drawl of an advance from the Contingency fund. The Engineer -in- Chief and Chief Engineer (General), Water Resources Department, Chennai-5 is directed to send necessary proposals to Government in Finance (BG-I) Department directly in Form 'A' appended to the Tamil Nadu Contingency Fund Rules, 1963 with a copy of this order for sanction of an advance from the Contingency Fund, orders regarding which will be issued by Finance (BG-I) Department separately. He is also directed to send necessary explanatory notes for inclusion of the above expenditure in the Supplementary Estimate 2023-24 to Finance (PW-II/BG-I) Department at an appropriate time.

8. 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, Plan Formulation and Chief Engineer, Water Resources Department, Chennai Region are directed to ensure designs, drawings and description of work prescribed in the estimate should be same while according Technical Sanction.

10. This order issues with the concurrence of Finance Department vide its U.O. No.27622/Fin(Infra-II)/2023, dated 03.08.2023 and Additional Sanction Ledger No.674 (Six hundred and seventy four) (IFHRMS ASL No.2023080674)

(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, Water Resources Department, Plan Formulation, Chennai-5.

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

The Chief Engineer, Water Resources Department, Chennai Region, Chennai -5.

The District Collector, Chennai District.

The Principal Accountant General (Audit /A&E / E&RSA), Chennai-18.

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

Copy to

Office of the Chief Minister, Chennai-9.

Office of the Minister for Water Resources, Chennai-9.

Office of the Minister for Finance and HRM, Chennai-9.

Finance (Infra-II/BG-I/BG.II/W&M-I) Department, Chennai-9.

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

(To update the G.O. number and date in IFHRMS portal).

Stock File/ Spare Copy.

//Forwarded by order//

S. Aravind Arinathan
3.8.2023.

Section Officer

3/8/23