



Government Of Tamilnadu

ABSTRACT

Water Supply – Chennai City – Chennai Water Supply Augmentation Project-II –Revised administrative approval – Accorded – Orders issued.

MUNICIPAL ADMINISTRATION & WATER SUPPLY (METRO WATER) DEPARTMENT

G.O. Ms. No.131

Dated : 27.2.2004

- 1) G.O.Ms.No.45, MA&WS (Metro Water) Department, d/t.3.4.2002
- 2) From Managing Director, Chennai Metropolitan Water Supply And Sewerage Board, D.O.LR.NO.CMWSSB/CE(CWSAP)/298/2001, Dt.20.5.2002.
- 3) From Managing Director, Chennai Metropolitan Water Supply And Sewerage Board, LR.No.CMWSB/CWSAP-II/298/202, dt.31.1.2003.
- 4) From Managing Director, Chennai Metropolitan Water Supply And Sewerage Board, Letter NO.CMWSSB/2003 dt.12.03.2003.
- 5) From the Managiang Director, Chennai Metropolitan Water Supply And Sewerage Board, D.O.Letter NO.CMWSB/JD(C&R)/CWSAP-II/203, dt.25.4.203.
- 6) From the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board, D.O. Letter NO.CMWSSB/JD(C&R)/CWSAP-II/REV/203, dt.28.5.203.
- 7) From the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board, D.O. Letter No.CMWSSB/JD(C&R)/CWSAP-II/Checkdam/203, dt.3.12.203.

ORDER:

In the Government Order first read above the Government accorded administrative approval for implementing the Chennai Water Supply Augmentation Project-II at an estimated cost of Rs.493.00 Crores for constructing checkdam, reservoirs, percolation tanks, etc. to store surplus water in Koratalaiyar, Cooum, Adyar and Palar rivers. The Government also directed that Chennai Metropolitan Water Supply And Sewerage Board be responsible for execution of the entire project works as the project agency. All the components of the work were to be taken up by Public Works Department, except the work of construction of three Check dams across Koratalaiyar, which were to be taken up by Chennai Metropolitan Water Supply and Sewerage Board.

2. In view of the deferring of the proposal of the construction of new reservoir at Thirukandalam across the Koreatalaiyar and converting it into a checkdam, the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board has sent a revised estimate of the above project at the cost of Rs.340.00 crores in the reference second read above for the anticipated quantum of water of 268.5 MLD. During the discussion held with Public Works Department on 4.6.02, 14.8.02 and 13.12.02, it was decided that the revised estimate of the project at the cost of Rs.340.00 crores is not financially viable and therefore, the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board has requested a revised administrative sanction at the cost of Rs.220.00 crores for the above project in the reference third read above. Based on the further discussion held with Public Works Department on 18.2.2003, the Managing Director, Chennai Metropolitan Water Supply and Sewerage Board has again revised the estimated cost of the project at Rs.198.00 crores with an yield of 70 MLD in the reference fourth read above.

3. After detailed discussions held on 10.4.2003, it was considered that the proposals sent in the letter fifth read above, relating to Chennai Water Supply Augmentation Project-II may be split into two parts and merged with Chennai Water Supply Augmentation Project-I and Third Chennai Project as follows: _

(a) The proposed check dam across Palar River at Vayalur at a cost of Rs.80.00 crores and the proposed cost of construction of pumping station, laying pipeline upto Mangalam and putting up of a Treatment Plant at a cost of Rs.15.00 crores may be proposed to the Government under CWSAP-I as additional works.

(b) The proposed checkdam across Korataliyar at Thirukkandalam at a cost of Rs.67.50 crores and the proposed desilting and improvement at a cost of Rs.5.00 crores of Ambattur tank, Korattur tank, Madhavaram tank (Rettai Eri) and the proposed fencing of Porur lake at a cost of Rs.3.00 crores may now be proposed under Third Chennai Project, which is to be sent to the World Bank for an additional assistance.

4. It was discussed further in a meeting held on 20.5.2003 wherein it was decided to revise the Chennai Water Supply Augmentation Project-II with the following components at a cost of Rs.110.00 Crores, and the Managing Director, Chennai Metropolitan Water Supply and Sewerage Board also sent detailed proposals in his letter sixth read above for the following:

Conveying raw water from Kolavoy Lake to the proposed water treatment plant at Managalam and injecting the same into the proposed Chennai Water Supply Augmentation Project-I pipeline after treatment (20 mld).

(b) Construction of Checkdam across Palar River at Vayalur and conveying the water to the proposed water treatment plant at Mangalam and injecting the same into the proposed Chennai Water Supply Augmentation Project-I pipeline after treatment (20 mld).

5. Subsequently, the Hon'ble Chief Minister took up a review of the proposal under Chennai Water Supply Augmentation Project-II on 20-11-2003 with Secretaries of Municipal Administration and Water Supply Department, Public Works, Finance Departments and other officials, on the various components which were originally included in Chennai Water Supply Augmentation Project-II. It was decided in the review meeting to re-examine the feasibility of implementing the components originally included in the Government Order first read above with particular reference to the proposed construction of checkdams across Adayar, Cooum and Koratalaiyar rivers and Redhills surplus course. The Hon'ble Chief Minister also directed that the entire water from Kolavoy Lake shall be earmarked for Chennai after meeting irrigation requirements. Accordingly, the Project Implementation Committee consisting of officials of Managing Director, Chennai Metropolitan Water Supply and Sewerage Board and Public Works Department met on 21-11-2003 and 01-12-2003 and discussed these components. The construction of checkdams across these water courses was re-examined. Considering the run off quantities of water in the catchment areas in these rivers and also taking into effect the satellite imageries of water sheds, the committee made the following recommendations.

It is feasible, as per the preliminary studies conducted that checkdams be constructed at the following four locations across river Adayar

At Manapakkam Village

At Nandambakkam Village

At Anakaputhur Village

At Cowl Bazaar Village

The expected yield from these 4 checkdams will be around 20 mld as per the rough estimate. It was considered that the above checkdams will help to stabilise the ground water levels in the adjacent areas. The cost of construction of these checkdams will be about Rs.12.37 crores.

The rehabilitation of two checkdams across Cooum river at Paruthipattu and Kannapalayam is also feasible, considering the normal run-off quantities in these water sheds. Although the yield potential of these two checkdams is to be ascertained after a detailed examination of the micro-drains by Public Works Department, it was held that these two checkdams will help to stabilise the ground water potential in this area. The cost of construction of these checkdams is Rs.1.55 crores.

With regard to the river Koratalaiyar, the proposed checkdam at Thirukandalam and refurbishment of Vallur anicut are considered as adequate and no further checkdams need be taken up.

With regard to the construction of checkdams across Redhills surplus course, the proposal can be taken up at a later date.

6. In view of the above, the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board has sent a revised proposal for revised administrative sanction for Chennai Water Supply Augmentation Project-II at an estimated cost of Rs.124.00 Crores to augment the drinking water supply for Chennai City with an anticipated yield of 60 mld in the reference seventh cited.

7. The Government have carefully examined the proposal of the Managing Director, Chennai Metropolitan Water Supply And Sewerage Board in his letter seventh read above and in modification of the administrative approval already accorded in the Government Order first read above accord revised administrative approval for Chennai Water Supply Augmentation Project-II at an estimated cost of Rs.124.00 Crores, as detailed in the annexure to this order.

8(i) The Government further direct that the Chennai Metropolitan Water Supply and Sewerage Board be responsible for execution of the entire project works as the Project Agency as was done in the cases of First and Second Chennai Water Supply Projects.

(ii) The Government authorise the Chennai Metropolitan Water Supply and Sewerage Board to approach the Financial Institutions for funding this project.

(iii) The Nodal Agency already formed in the Government Order first read above and functioning under the control of Chennai Metropolitan Water Supply and Sewerage Board will continue to monitor the project.

9. This order issues with the concurrence of Finance Department vide its U.O.No.13731/MAWS/04, dated 27-02-2004.

(BY ORDER OF THE GOVERNOR)

L.N. VIJAYARAGHAVAN,

SECRETARY TO GOVERNMENT.

To

The Managing Director, Chennai Metropolitan Water Supply and Sewerage Board, Chennai – 2.

The Finance Director, Chennai Metropolitan Water Supply and Sewerage Board, Chennai – 2.

The Chief Engineer, Plan Formulation, Public Works Department, Chennai – 5.

The Accountant General Chennai – 18 (by name).

The Accountant General (Audit-I) Chennai – 35.

The Finance (BG.I/MAWS) Department, Chennai – 9.

The Public Works Department, Chennai – 9.

The Secretary-II to Chief Minister, Chief Minister's Office, Chennai – 9.

The Special P.A. to Minister (IP & LA), Chennai – 9.

Copy to:

MAWS (Bud) Department/WS Wing, Chennai – 9.

/forwarded by order/

ANNEXURE TO G.O.(Ms) NO.131, dated.27.2.2004

| Sl.No. | Component | Estimate cost (Rs. In crores) |
|--------|--|-------------------------------------|
| 1. | Construction of 1 Checkdam across Palar AT Vayalur | 80.00 |
| 2. | Infrastructure for drawal of 20 mld from Checkdam at Palar (Drawal & conveyance) | 10.00 |
| 3. | Infrastructure for drawal of 20 mld from Kolavoy Lake (Drawal & conveyance) | 10.00 |
| 4. | Treatment Plant at Mangalam & pumping in to | 4.00 |

| | | |
|-----------|--|--------------------------------|
| | MS pipe line of CWSAP-I (20 mld + 20 mld) | |
| 5. | Construction of 4 checkdams across Adyar at Manappakkam, Nandambakkam, Anakaputhur and Cowl Bazaar Villages | 12.37 |
| 6. | Improvements to 2 Checkdams across Cooum (at Paruthipattu and Kannapalayam) | 1.33 |
| | Sub Total | 117.70 |
| | Contingencies and project management charges L/S @ 5% | 5.88 |
| | Unforeseen items L / S | 0.42 |
| | Total | 124.00 Crores |

L. N.VIJAYARAGHAVAN

SECRETARY TO GOVERNMENT

/true copy/

s/d.dt.27.2.04

SECTION OFFICER