



## **ABSTRACT**

Jawaharlal Nehru National Urban Renewal Mission (JnNURM) - Second Vaigai Water Supply Scheme to Madurai Corporation – Administrative Sanction – Orders –Issued.

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### **MUNICIPAL ADMINISTRATION AND WATER SUPPLY (MA-II) DEPARTMENT**

**G.O. Ms. No.67,**

**Dated: 12.08.2006**

#### **READ:**

From the Commissioner of Municipal Administration, Letter Roc.No.45287/2006/MCA4 dated 09.08.2006.

#### **ORDER:**

In the letter read above, the Commissioner of Municipal Administration has sent a proposal for administrative approval of the Government for taking up a second Vaigai Water Supply Scheme at a cost of Rs.59.316 Crores which will provide an additional quantity of 47MLD Water. If this project is implemented the pro-rata supply will be increased from 57 LPCD to 90LPCD

2. The Commissioner of Municipal Administration has furnished a Brief Description of the proposal as follows:

It is proposed to construct one intake well and a collection well pump house in River Vaigai. The raw water conveying main is proposed with 1100 mm PSC 12 PSC pipes to a length of 16.6 kilometres upto treatment plant at Panmaipatti.

#### **WATER TREATMENT PLANT:**

The following proposals are made in the WTP

- |      |                                      |    |       |
|------|--------------------------------------|----|-------|
| I.   | Construction of Cascade Type aerator | -- | 1 No. |
| II.  | Raw water channel – 10m x 1.4mx 1.2m |    |       |
| III. | Stilling basin – 6m x 4m x 3m        | -- | 1 No. |
| IV.  | Parshall flume – 15 x 1.4 x 1.2m     |    |       |

- V. Dividing well – 6m dia x 3.3m depth
- VI. Transfer pipeline – 600m dia
- VII. Flash mixture – 3.8m dia and 4.05m depth
- VIII. Modifications in clariflacculators by providing tubular settler arrangement.
- IX. The existing filter plant will be upgraded to a dual media filter systems by using Anthracite coal and sand as media which results in increase of rate of filtration.

**CLEAR WATER CONVEYING MAIN:**

It is proposed to lay the clear water main of 1000mm dia PSC 12 KSC pipes upto the break pressure tank to a length of 13000M.

**BREAK PRESSURE TANK:**

It is proposed to construct one Break Pressure Tank to reduce the abnormal grade pipelines.

**CLEAR WATER GRAVITY MAIN:**

The clear water conveying main is proposed in between B.P tank to Arasaradi to a length of 35.800 m by using 1000mm dia 12KSC PSC pipes.

**STORAGE RESERVOIRS:**

It is proposed to construct 3 numbers of service reservoirs in south of River Vaigai and 2 numbers in north to increase the storage capacity. The total capacity of service reservoirs is proposed 63 lakh litre for present style.

**DISTRIBUTION SYSTEM:**

Additional Distribution system is proposed for a length of 143km throughout the city.

**FEEDER MAINS:**

Three numbers of feeder mains are provided to feed the proposed service reservoirs.

**COSTING:**

The cost of scheme is worked out to be Rs.59.316 Crores. The rate for this proposal is adopted as per Public Works Department, Tamil Nadu Water Supply and Drainage Board Schedule of rates for the year 2005-2006.

**OPERATION AND MAINTENANCE:**

After completion taking and Commissioning, the scheme will be maintained by the urban local body Madurai Corporation. The cost of maintenance of the existing scheme is Rs.156 Lakhs, which is assumed to increase by 5% every year, and at the end of the construction period of this scheme, the total O & M cost will be Rs.211.00 Lakhs per annum.

3. The project is to be implemented under the financial assistance from Jawaharlal Nehru National Urban Renewal Mission, Government of Tamil Nadu and by own fund /loan by Madurai Corporation as mentioned below:

I. Grant from Jawaharlal Nehru National Urban Renewal Mission 50%	Rs. 29.658 Crores
II. Local Body Contribution and loan 30%	Rs. 17.795 Crores
III. State Government share 20%	Rs. 11.863 Crores
<b>Total Project Cost</b>	<b>Rs. 59.316 Crores</b>

Based on the Inputs given by the local body with respect to the number of assessments /connections, deposits and tariffs were worked out and which are

Deposit Domestic - Rs. 1200/-  
Non Domestic - Rs. 3000/-  
Tariff Domestic - Rs. 55/- per month  
Non Domestic - Rs. 150/- per month

The Council has resolved the above in their Council Resolution No.90, dated 01.06.2005 for agreeing above deposit and monthly tariffs .It has also resolved to implement the scheme by the Madurai Corporation as resolved in its Resolution No. 182, dated 14.07.2006.

4. The local body will maintain the scheme after completion. The state level nodal agency (TUFIDCO) has recommended the proposal for providing Water Supply Improvement Scheme for Madurai Corporation at an estimated cost of Rs.59.316 Crores to install and Rs.211.00 Lakhs to maintain annually to the Central Sanctioning and Monitoring Committee for Jawaharlal Nehru National Urban Renewal Mission, Ministry of Urban Development (MoUD), Government of India for sanction.

5. The Commissioner of Municipal Administration has requested administrative sanction for the project under Jawaharlal Nehru National Urban Renewal Mission since the Corporation agreed to implement the reforms

agenda which have been contemplated under Jawaharlal Nehru National Urban Renewal Mission.

6. The Government after careful examination accord administrative Approval for implementation of Second Vaigai Water Supply Scheme to Madurai Corporaion as per the guidelines of the Jawaharlal Nehur National Urban Renewal Mission.

7. This order issued with the concurrence of Finance Department vide its U.O.No.3147/FS/P/06 Dated.12.08.2006

(BY ORDER OF THE GOVERNOR)

K.DEENABANDU  
SECRETARY TO GOVERNMENT

To

The Joint Secretary (Up), Government of India, Ministry of Urban Development, Nirman Bhavan, New Delhi – 110 011.

The Commissioner of Municipal Administration, Chennai-5.

The Chairman & Managing Director, TUFIDCO, Chennai- 35.

The Chief Executive Officer, Tamil Nadu Urban infrastructure Finance Limited, T.Nagar, Chennai-17.

The Managing Director, TWAD Board Chennai-5.

The Commissioner, Corporation of Madurai, Madurai.

The Accountant General, Chennai -18.

The Accountant General (Audit), Chennai – 108.

**Copy to:**

The Finance Department, Chennai – 9.

The P.D. & S.I Department, Chennai – 9.

The Housing and Urban Development Department, Chennai- 9.

The Municipal Administration and Water Supply (Budget) Department Chennai-9.

The Ministry of Urban Development, New Delhi.

-/ Forwarded by Order/-

SECTION OFFICER