



## **ABSTRACT**

Water Supply Improvement Scheme - -Water Supply Improvement Scheme to Tirunelveli City Municipal Corporation - under KfW funding through TNUIFSL - Approved by Empowered Committee - Administrative Sanction - Orders - Issued.

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### **MUNICIPAL ADMINISTRATION AND WATER SUPPLY (WS4) DEPARTMENT**

**G.O.(MS) No.9**

**Dated:27.01.2014**

**Read :**

G.O.(Ms) No.83, Municipal Administration and Water Supply (MA2) Department, Dated: 10.06.2013.

**Read also**

From the Commissioner of Municipal Administration Letter No.29763/2009/WS3, Dated:04.09.2013.

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### **ORDER :-**

In the Government Order first read above, administrative sanction was accorded for implementation of KfW assisted Sustainable Municipal Infrastructure Financing in Tamil Nadu Phase II Part 1 (SMIF-TN II-1) Programme to improve the living conditions of urban population and to contribute towards improvement of environment and preservation of natural resources. A loan agreement between German Bank for Development (KfW) and Government of India has been signed on 19.12.2012 for Euro 80 million (Rs.578.16 Crore) of which a sum of Rs.289.08 crore in the form of loan and a sum of Rs.289.08 crore in the form of capital Grant) have been apportioned by the Government of Tamil Nadu. The KfW assistance of Euro 80 million (Rs.578.16 Crore) is to be utilized on or before 30.06.2018.

2. In the letter second read above, the Commissioner of Municipal Administration has stated that he had requested TNUIFSL to take up Water Supply Improvement Scheme for Tirunelveli Corporation at an estimated cost of Rs.230.00 Crore to install and Rs.11.10 Crore for maintenance annually under KfW assisted SMIF-TN-II-1 programme. TNUIFSL carried out

an initial screening of the project to verify the compliance with the eligibility & appraisal criteria for sub-projects stipulated by KfW in the Separate Agreement as well as the suggestions/ guidelines / procedures prescribed by Government of India while approving the proposal for SMIF-TN-II-1.

3. The Commissioner of Municipal Administration has also stated that at present, the main source of water supply for Tirunelveli Corporation is from River Tamiraparani. About 55 MLD is supplied to the town with per capita supply of 116 lpcd from 11 head works, covering 55 wards. Out of 11 head works, two head works namely Karuppanthurai and Theepachiamman Koil have been discarded due to low yield. The existing water supply is not sufficient to meet the demand for the entire corporation area. Hence the proposed water supply scheme is designed to meet the ultimate demand of the Corporation area @ 135 lpcd with 5% treatment losses and 10% for transmission & distribution losses. Ariyanayagipuram Anicut across River Tamiraparani is proposed as source for the water supply improvement scheme to Tirunelveli Municipal Corporation to meet the ultimate demand of 102.17 MLD.

The project cost of the scheme is as follows:-

<b>Sl. No.</b>	<b>Description of Works</b>	<b>Amount (Rs. in Lakhs)</b>
1.	Construction of Intake cum suction well including Cofferdam around the Intake and connecting bridge - Civil Works	179.07
2.	Electrical Raw water Pump set and Substation for 50 MLD Scheme at Ariyanayakipuram Anicut	95.29
3.	Raw water Piping system and accessories	49.89
4.	MS pipe (914 mm dia and 8 mm thick ) raw water pumping main for 18.50 km	2592.44
5.	Water Treatment Plant - 50 MLD at Kamarajar school ground	1067.57
6.	Clear water storage sump 30 LL at Kamarajar School	137.31
7.	Clear water Suction well cum pump house civil works and Piping @ kamarajar School	66.00
8.	Clear water Pumpset, Sub station @ Kamarajar School - 2 sets of 4 pumps	241.11
9.	Clear water Sump Cum pump house and piping arrangement @ RDMA OFFICE	74.68

10.	Electrical, Clear water Pumpset, Sub station @ RDMA Office Complex Sump	113.47
11.	Booster station at Proposed North End OHT site - 1.40 LL Sump - 1003lpm x 25 m Head Submersible pump	9.16
12.	Providing Feeder main system using DI 100 to 600 mm dia pipe 80,855 m	5208.84
13.	Construction of Service Reservoirs-14 nos.	717.05
14.	Distribution system with HDPE pipes (110mm to 200 mm HDPE -439229 m 250mm to 600mm DI pipes- 30952 m Total -470181 m	3380.81
15.	Replacement of pump sets in existing Head works - 6 locations	120.53
16.	Extension of Transmission main from existing head works to Proposed Clear water sumps -9,763 m	774.46
17.	SCADA	1049.64
18.	HSC for Proposed and existing connection -67,500 nos.	2561.36
	<b>Base Cost</b>	<b>18438.68</b>
	Unforeseen Items about @2.5%	460.97
	Physical contingencies @1%	184.39
	<b>Sub Total (A)</b>	<b>19084.03</b>
	<b>Payment Towards Other Departments</b>	
19.	NH,SH,MDR and ODR Cutting charges 75,367 m including Raw water main, Feeder main, Distribution system, Existing Transmission main replacing	404.22
20.	Road restoration 90,440 sqm including Raw water main, Feeder main, Distribution system, Existing Transmission main replacing	530.90
21.	Rail way Crossing - Inside the Corporation - 10 Nos and Raw water Pumping and-1 No total - 12 no Each 50m	770.00
22.	Dedicated Power supply from Kallur to Ariyanayakupuram and Kallur to Kamarajar School WTP - 32Km @ Rs 3,70,990/km	118.72
	<b>Sub Total(B)</b>	<b>1823.84</b>
	Price Escalation for Sub total A+B @10 %	2092.13
	<b>Grand Total</b>	<b>23,000.00</b>

4. The Commissioner of Municipal Administration has stated that the Detailed Project Report has been prepared by M/s. Shah Technical Consultants and the copy of the same has been sent to KfW for its review and approval. The operation and maintenance cost has been arrived at as Rs.1109.57 lakhs. Rates as per TWAD Board and PWD Schedule of Rates for 2013-14 have been adopted for all the items of work except certain items not covered in the Schedule of Rates (SoR) for which market rates have been adopted in preparation of the proposal. The project is proposed to be implemented in 36 months. TNUIFSL has recommended the project.

5. Based on the recommendation of the TNUIFSL the Empowered Committee, has resolved to recommend to Government for according administrative sanction for the above proposal.

6. As recommended by the Empowered Committee and as requested by the Commissioner of Municipal Administration, the Government after careful examination, accord administrative approval for implementation of Water Supply Scheme to Tirunelveli City Municipal Corporation at an estimated cost of Rs.230.00 Crore (Rupees Two hundred and Thirty Crore only) to install and Rs.11.10 Crore (Rupees Eleven Crore Ten lakh only) for maintenance annually under KfW assisted SMIF-TN-II-1 with the following funding pattern recommended by TNUIFSL:-

<b>Sl. No</b>	<b>Source of Funding</b>	<b>Amount Rs.in Crore</b>	<b>%</b>
1	Loan from KfW assisted SMIF-TN-II-1	69.00	30
2	Grant from KfW GF-I	46.00	20
3	Grant from IUDM	92.00	40
4	ULB Contribution	23.00	10
	<b>Total Project Cost</b>	<b>230.00</b>	<b>100</b>

7. This order issues with the concurrence of Finance Department vide its U.O. No. 327/Fin(MA&WS)/2014, Dated:08.01.2014.

**(By Order of the Governor)**

**K.PHANINDRA REDDY,  
SECRETARY TO GOVERNMENT.**

**To**

The Commissioner of Municipal Administration,  
Chennai – 5.

The Accountant General, Chennai – 18

The Commissioner,  
Tirunelveli City Municipal Corporation.

**Copy to:**

The Senior Personal Assistant to Hon'ble Minister for Municipal  
Administration, Rural Development, Law, Courts & Prisons, Chennai – 9

The Private Secretary to Secretary to Government, Municipal  
Administration and Water Supply Department, Chennai-9

The Private Secretary to Principal Secretary to Government,  
Planning Development and Special Initiative Department, Chennai . 9

The Finance (MA&WS) Department, Chennai - 9

The Municipal Administration & Water Supply( WS1,WS2&WS3) Department,  
Chennai.9

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**//FORWARDED BY ORDER//**

**SECTION OFFICER**