



DARJEELING MUNICIPALITY
1, LADENLA ROAD, DARJEELING
Email Id : darjeeling.municipality1850@gmail.com

MEMO No: 124/WW/2023

Dated: 21/07/2023

NOTICE INVITING QUOTATION

NIQ No:- 01/WW/DM/2023-2024

Quotations are hereby invited by the Chairman, Darjeeling Municipality, from any reputed, eligible and resourceful Manufacturer for Supply of Flow meter at Darjeeling Municipal area for Water Supply Scheme under AMRUT.

Interested Manufacturer should submit their quotation along with application, valid PAN, GSTIN and valid Trade License through e-mail (darjeeling.municipality1850@gmail.com) to the office of the undersigned from 21.07.2023 to 28.07.2023 up to 4:30pm. The quotations will be opened on 28.07.2023 at 5:30 pm onwards.

This quotation floated to ascertain the rate of the particular items as stated for cost estimation of water supply scheme within Darjeeling Municipality area under AMRUT. The quoted rate should be including GST and other taxes as per Government norms. The work order may not be issue on the basis of this quoted rate.

Location of work: Darjeeling Municipality.

Time of Completion: 7days.

The rate should be quoted in format as per Table-1

Table-1

SL No	Name of Work	Quantity (Approx.)	Rate inclusive Taxes (in Rs. P.)	Remarks if any
1	Battery operated electromagnetic flowmeter with inbuilt pressure transducer. Battery life shall be 10 years. Output Modbus/Pulse/4-20mA.Flowmeter shall have inbuilt 4G/5G data transmission facility. Flow transmitter and flow sensor both shall be IP68. Flow sensor shall be buriable type with continuous buriable upto 5mtr depth and 10mtr under water submergence for 3 months period. Liner shall be Hard rubber with WRAS approval. Flow transmitter shall be tamper proof and confirm to "MID" approval. Interconnecting cable between flow sensor and flow transmitter shall be 15 mtr. Accuracy 0.5%. Flow tube shall be SS304 .Flow meter shall have			

	welded RF flanges conforming to ASME/DIN std. Flow meter shall be supplied with relevant counter flanges. Flow transmitter shall show battery life, errors on its display screen. Flowmeter shall have in built verification capability. Flowmeter shall have dual memory and transmitter shall be plug & play type. Factory calibration shall be stored in memory along with configuration for easy interchange with transmitters. Flowmeter shall have inbuilt data logger. No external RTU/ Data transmission module is allowed. Flowmeter shall have AMR & integrated GIS/GPS facility and also can be integrated to AMI for billing purposes. Should be able to measure low flow condition for velocities lower than 0.1m/sec and maintain the same accuracy as 0.4%. All electrical connections shall be IP68 , plug & socket type conforming to military grade “MID” std and battery packs shall also be IP68			
	Size 100 mm	21		
	Size 150 mm	16		
	Size 200 mm	8		
	Size 250 mm	1		
	Size 300 mm	7		
	Size 350 mm	1		
	Size 450 mm	1		
2	Erection and commissioning of Battery operated flowmeters			
	Size 100 mm	21		
	Size 150 mm	16		
	Size 200 mm	8		
	Size 250 mm	1		

	Size 300 mm	7		
	Size 350 mm	1		
	Size 450 mm	1		
3	Operation and maintenance for 5 years for flow meters	Cumulative of As commissioned under Sl. No.2		
4	<p>SCADA System: Unlimited TAG Enterprise level SCADA system with UPS power supply and gateway modem and static IP, redundant server along with printer, 2 workstations ,VDU & along with integrated Flowmeter fleet management software for bidirectional communication and health monitoring of flowmeters. SCADA software shall have integrated GIS mapping facility and can be expanded to integrate with AMI based household meters data reading. SCADA software shall be based on open platform and must support Complete list of supported protocols: OPC DA, AE, HDA OPC UA Client Modbus TCP SNMP, SNMP Trap IEC 60870-5-101 IEC 60870-5-103 IEC 60870-5-104 Master and Slave DNP 3.0 SA IEC 61850 IEC 61400-25 for Wind integration Text Driver Com Li IEC 60870-6 (ICCP) using TMW Gateway Kepware using OPC SQL Transmitter JSON Gateway. The SCADA system shall have</p> <ol style="list-style-type: none"> 1.Secure and personalized workplaces for optimal operator experience 2.Advanced visualization solutions for comprehensive understanding of system 3.Abnormal situation awareness through contextualized navigation 4.Advanced alarm management system compliant with ISA 18.2/EEMUA 191 industry standards. 5. Same look and feel across different data sources 6.Integrated information management to support real-time business decisions. 7.Intuitive Geographical Information System (GIS) navigation for more effective operations. 8.User privileges elevation when required 9.Should have alarm management dashboard. 10. Should have inbuilt analytics engine. 11. Should have Engineering Assistant tool for easily creation of tags and plc logic for the water industry. 12. Should have inbuilt Artificial intelligence module to create and simulate water network virtual model for different scenarios. 13. Should have the facility to integrate multiple 	1		

	local SCADA and function as Master level enterprise level SCADA software.			
5	Commissioning of SCADA system	1		
6	Operation and maintenance for 5 years for SCADA system	5 years		

Quotations will not be received after last date & time of submission and the authority is not responsible for any unnecessary delay.


CHAIRMAN
 Chairman **DARJEELING MUNICIPALITY**
 Darjeeling Municipality **DARJEELING**
 Darjeeling

Memo No.: 124/(9)/WW/2023

Date: 21/07/2023

Copy forwarded for information and for wide circulation to:

1. The Joint Secretary, UD&MA Department, Government of West Bengal
2. The District Magistrate, Darjeeling.
3. The Secretary, M.E.Dte.
4. The Engineer-In-Chief, M.E.Dte
5. The Chief Engineer, M.E.Dte.
6. The Additional Chief Engineer, North, M.E.Dte
7. The Superintending Engineer, North Circle, M.E.Dte
8. The Executive Engineer, M.E.Dte., Siliguri Division.
9. Office NoticeBoard.


CHAIRMAN
 Chairman **DARJEELING MUNICIPALITY**
 Darjeeling Municipality **DARJEELING**
 Darjeeling

APPLICATION FORM FOR NIQ

To,
The Chairman,
Darjeeling Municipality
Darjeeling

NIQ No: -

Serial No of Work applied for:

Name of work:

Dear Sir,

Having examined the NIQ documents, I/we hereby like to state that I/we willfully accept all your conditions and offer to execute the tests as per NIQ no and Serial no stated above.

Dated this _____ day of _____ 20 ____

Full name of applicant: _____

Signature: _____

In the capacity of: _____

Duly authorized to sign bids

**For & on behalf of (Name of Firm): _____
(In block capitals or typed)**

Office address:

Telephone no(s)(office): _____

Mobile No: _____

Fax No: _____

E mail ID: _____