

Bharat Heavy Electricals Limited

[A Government of India Undertaking]



Materials Management/Manufacturing

Tiruchirappalli - 620 014, INDIA

☎: 0431 – 2577049

E mail : nshan@bheltry.co.in

AN ISO 9001

COMPANY

Ref: NIT_ 26363

Dt: 22.02.2016

Notification No: 2001600049

CORRIGENDA-I TO OUR ENQUIRY REF. 2001600049 Dt.08.02.2016

FOR THE SUPPLY OF ELECTROMAGNETIC FLOW METER due on 29.02.2016

Ref: NIT_ 26363

Ref.: 2016_BHEL_83769_1

- **Technical specification & duty conditions are attached**
- **The Due date of the Tender under reference is extended up to 12.03.2016 (2 pm).**

This is for your information.

N. Shanmuga Sundaram
Purchase Officer/Purchase/PSS

N. SHANMUGASUNDARAM
Purchase Officer / PSS
Materials Management (MFG)
Bharat Heavy Electricals Ltd
Tiruchirappalli - 620 014.

D.NO: 2455
80/216

BHEL: TRICHY 14
CIVIL TOWNSHIP

Technical Specification, Duty condition and details of electromagnetic flow meter

Supply and installation of Electro Magnetic Flow meter with all necessary wirings and kits for remote measuring sewage water with solids getting pumped into the treatment plant at Hospital Waste Water Treatment plant and Drainage pump house as per the following technical specification and duty conditions.

Technical Specifications:-

- Accuracy: 0.5%
- Operating range: 0.3 ~ 10 m/s
- Flange connection: ANSI B 16.5
- Lining : PTFE
- Min. conductivity : 10uS/cm
- Flange material : Mild steel
- Coil Housing : Mild steel
- Electrodes : SS 316L / Hastelloy-c
- Measuring tube: SS 304
- Meter enclosure: Cast Aluminum
- Empty pipe Detection: Yes
- Output: Isolated 4 - 20 mA, pulse
- Communication : RS-232
- Computer interface - Digital data logging
- **Very user friendly and programmable**
- Power Supply: 220 V AC, 50 Hz, 110V AC, 60 Hz
- Easy maintenance
- **Transmitter required of remote type with computer interface.**

DUTY CONDITIONS:


(But required to operate at 10% more than the duty stipulated when the situation warrants).

Liquid to be handled : Sewage and waste water with solids (medium)

Total pressure head : 15.00 MLC

Temperature : Ambient

Note: Scope include supply, installation, testing and successful commissioning of the meters, including warranty and prove the performance to meet TNPCB norms.


R. SUNDARESAN
SR. ENGINEER
CIVIL TOWNSHIP
BHEL / TRICHY - 1455 / 12

Electromagnetic flow meter details

S no	Description	Unit	Quantity	Line Size	Medium	Max/Min Flow Rate (Aprox)	Line pressure	Line Temperature
1	2" Electromagnetic Flow Meter 2 Inch Electro Magnetic Flow Meter with Remote Transmitter	No	2	2"	Sewage and waste water with solids	10-30 LPS	15MLC	Ambient
2	4" Electromagnetic Flow Meter 4 Inch Electro Magnetic Flow Meter with Remote Transmitter	No	1	4"	Sewage and waste water with solids	20-80 LPS	15MLC	Ambient
3	6" Electromagnetic Flow Meter 6 Inch Electro Magnetic Flow Meter with Remote Transmitter	No	2	6"	Sewage and waste water with solids	60-170 LPS	15MLC	Ambient
4	8" Electromagnetic Flow Meter 8 Inch Electro Magnetic Flow Meter with Remote Transmitter	No	1	8"	Sewage and waste water with solids	110-300 LPS	15MLC	Ambient
5	12" Electromagnetic Flow Meter 12 Inch Electro Magnetic Flow Meter with Remote Transmitter	No	1	12"	Sewage and waste water with solids	300-700 LPS	15MLC	Ambient

R. Sundaresan

R. SUNDARESAN
SR. ENGINEER
CIVIL TOWNSHIP
BHEL / TRICHY - 14