Supply of Insertion Type Electromagnetic Flow Meters with the following specifications	Qty : 15 Nos.

A. The flowmeter should have following features:

1. Pipe diameter : 150 mm (4 Nos.) + 100 mm (11 Nos.)
2. Pipeline Material: Cast Iron
3. Measuring Range: 0.2 to 10 m/s
4. Linearity: ±0.5% of Full Scale
5. Repeatability: ±0.25% of reading
6. Fluid Temperature: 10°C to 50°C
7. Sensor Type: Insertion type electrode
8. Sensor Body: Stainless Steel
9. Max Pressure: 16 bar
10. Min Conductivity 20 µS/cm
11. IP Rating: IP 65
12. Power Supply: 24V DC

B. Local display with user input keys:

1. Programable Flow Range and Units
2. Status LEDs (Power, No Flow, Error)
3. Indication of Flow Direction
4. Totalizers (Cumulative & Daily Consumption)
5. Instantaneous flow measurement indication
6. Output Terminals: 4-20 mA current output AND pulsed output
7. IP Rating: IP 65

C. Insertion Fitting Specifications:

1. Fitting Type: Saddle
2. Body Material: PP & PVC
3. Seal Material: EPDM
4. End cap : Required
5. End cap material: Polypropylene/PVC/Stainless Steel

Note:

1. Offers from original manufactures of flowmeters will be preferred.

2. Delivery schedule should be 4 to 5 weeks from the date of PO.

3. One-year comprehensive warranty should be provided.

4. List of end users with contact details where the above type of flowmeters has been supplied and commissioned along with copies of POs.

5. Offers without complete technical data sheets and electrical wiring diagram of flowmeter will not be considered.

6. Relevant national and international standards compliance.

7. Calibration certificate and test report for the chosen equipment model confirming to the required specification **should be given for each device**. Model number, serial number, conditions under which calibration/tests are done and date of certification should be clearly mentioned.

8. Flowmeters tested/proven compatible with wireless communication (GSM/GPRS, 3G/4G, LoRa) for remote monitoring will be given preference.