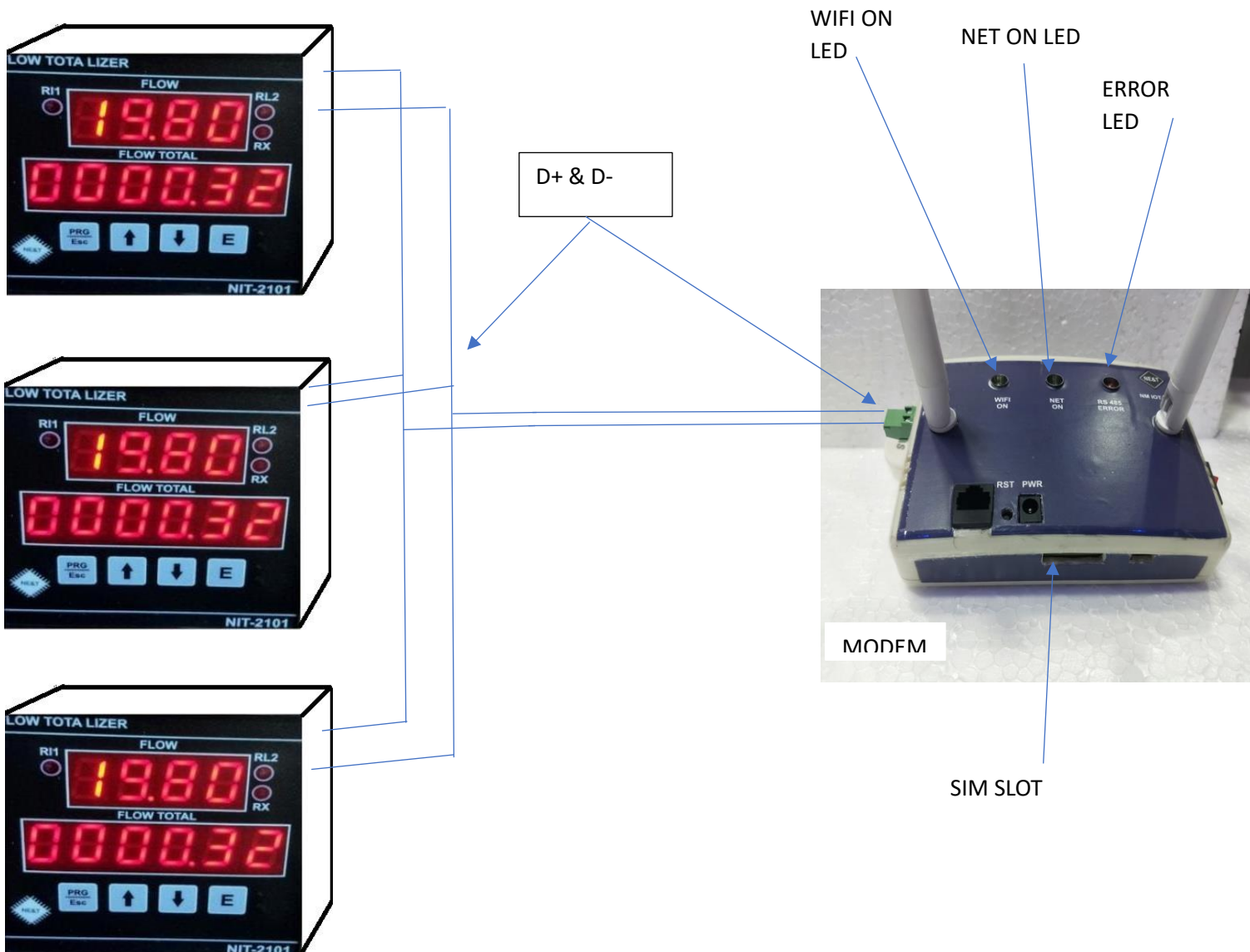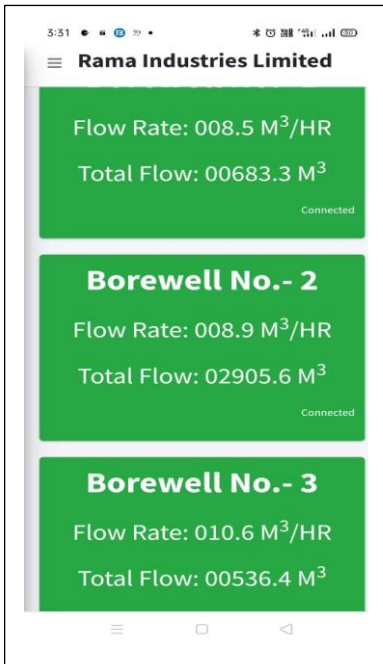# IOT-7500 Modem User Manual

This is microcontroller based IOT modem that allows any Digital input/output or Analogue input/output signals to be Viewed or controlled on mobile or computer through an internet URL. Here this modem collects the data of borewell water flow and totalizer and posts it on the URL, which can be viewed on mobile or computer with the help of user id password. This modem is designed for three borewells which collects flow indicator data via RS485 and posts it to the utilization site. **There is a slot for SIM in the modem, SIM will be inserted carefully, after power on for some time, WIFI ON LED light will come on, if WIFI LED light is not on then press the RST switch for 3 seconds. The SIM and modem have to be configured only once. Whenever we log in with the new SIM, we have to do the same again. After some time of Wi-Fi connection, The NET ON LED light should come on, if it is not then there is no network in the SIM, so please recharge your SIM.**

**Error LED: If the error LED is on continuously, it means that there is no communication between the modem and the flow indicator, check the Modbus ID of the flow indicator and check that the Rs485 connection wire is connected to the correct terminal (D+ D-).**

**Noted: Modem communication ID define on the sticker at the bottom side.**

Flow Rate: 008.5 M$^3$/HR

Total Flow: 00683.3 M$^3$

Connected

**Borewell No.- 2**

Flow Rate: 008.9 M$^3$/HR

Total Flow: 02905.6 M$^3$

Connected

**Borewell No.- 3**

Flow Rate: 010.6 M$^3$/HR

Total Flow: 00536.4 M$^3$

# SPECIFICATIONS

**Modem Model No: NM IOT- 7500**

**Enclosure          :  Plastic**

**SUPPLY: 12VDC,800mA**

**Power Adaptor: 12VDC,1A**

**Communication:  Rs485**

**Baud Rate          : 9600Bps**

**Data Bit             : 8Bit**

**Party                 : None**

**Stop Bit            : 1**

**Mode                : RTU**