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| **Radar Water Level** |
| **System** |
| **Description** | The radar is a preferred non-contact solution. The radar will be connected to the data logger specified  |
| **Water Level** |
| **Range** | 1-30m |
| **Accuracy** | ≤ .03% full scale  |
| **Resolution** | 1 mm |
| **Output** | SDI-12 or 4-20 mA compatible to data collection platform |
| **Calibration** | Certification that calibration (if required) will be performed in India |
| **Cabling** | Must be provided and will be determined on site by site basis upon inspection by bidder. High quality cable that will not compromise accuracy and stability. |
| **Power** |
| **Voltage** | 10-15 V DC input |
| **Environmental** |
| **Protection** | NEMA 4 or IP-65 |
| **Humidity** | 0 to 100% operational and storage |
| **Temperature** | -10˚ to +60˚C operational and storage |
| **Other Requirements** |
| **Mounting** | * The radar shall be easy to dismount and replace in the event of malfunction (Plans to be approved prior to installation)
* Sensor mounting supports and other accessories included.
* All wire runs between the radar and the data logger shall be identically designed using high quality cable to assure accuracy and stability will not be diminished
* Bidder must submit and have approved a schematic of civil works that assures a robust and secure installation prior to start of work.
* Cable lengths will be determined on a site-by-site basis based on the distance between the sensor and the location of the data logger. Cables are not permitted to be spliced. Request distances from Purchaser if not provided in the specification.
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| **Tools and Manuals** | * Complete toolkit for installation and routine maintenance giving full details. (number of pieces and type)
* Full documentation and maintenance instructions in English. (1 per station)
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Items in RED are to be used for the Bid Evaluation Review (BER).