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| **Pressure Transducer** |
| **System** |
| **Description** | System will be a complete in-pipe solution with all components inserted within a pipe. System will come complete with components to secure device in pipe. |
| **Water Level** |
| **Range** | 0-10m (Please check actual range required by site with Purchaser if it is not defined in the tender) |
| **Accuracy** | ± 5 mm including reproducibility and hysteresis |
| **Resolution** | 1 mm |
| **Precision/Stability** | ± 1 mm/year |
| **Output** | SDI-12, or 4-20mA to be compatible with data logger available inputs |
| **Calibration** | Calibration certificate required. Future recalibration (if needed) must be performed in India. This must be certified by bidder. |
| **Cabling and Conduit** | * 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.
* Conduit is required to be galvanized non-corrosive pipe of sufficient diameter to protect pressure transducer.
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| **Temperature** |
| **Range** | 0 – 40 ˚ C |
| **Accuracy** | ± 0.5 ˚ C |
| **Resolution** | 0.1 ˚ C |
| **Precision/Stability** | ± 0.5 ˚ C/year  |
| **Calibration** | Ability to perform calibration in India |
| **Power** |
| **Voltage** | 12 V DC input |
| **Environmental** |
| **Protection** | All components IP-68 that are expected to be submerged. IP-65 otherwise. |
| **Humidity** | 0 to 95% operational and storage |
| **Temperature** | 0 to 60 ˚ C operational and storage |
| **Other Requirements** |
| **Tools and Manuals** | * Full documentation and maintenance instructions in English (1 copy per station)
* Complete toolkit for installation and routine maintenance giving full details. (number of pieces and type)
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Items in RED are to be used for the Bid Evaluation Review (BER).