

Technical Specifications

The groundwater data loggers /sensors are frequently used to monitor groundwater levels and salinity. The data loggers autonomously measure conductivity, pressure and temperature and records them in its internal memory. The data loggers should be ideal for ground and surface water level applications. The data logger needs to be used for long-term uninterrupted, real-time water level monitoring using a pressure sensor when submerged at a fixed level under the water surface. The pressure sensor measures the equivalent hydrostatic pressure of the water above the sensor diaphragm to calculate the total water depth. In addition, to a pressure sensor the data loggers also need to be equipped with a 4-electrode conductivity sensor for measuring the true or specific electrical conductivity of the water from 0 to 120 mS/cm. The data logger should have capacity to store measurements with backup (date/time, pressure, temperature and conductivity).

For each technical specification and requirement line item listed hereunder.

S #	Items / Description	Brand/ Specification	Unit Price \$	Quantity	Total Price (\$)
1	Groundwater Monitoring divers / loggers / Sensors unit for measuring and recording groundwater level/ temperature/conductivity. The unit should have good built-in memory and backup for recording the measurements.			70	
2	Optical cable with at least a length of 100 meters to connect and readout the data from CTD diver			35	
3	Optical cable with at least a length of 50 meters to connect and readout the data from CTD diver			35	
4	Baro-Diver: Water level logger type Baro-Diver, for measuring the atmospheric pressure in a measuring area, to compensate for barometric pressure.			2	
5	Diver Read-out unit: a) For programming and reading Divers, with USB connection. b) Smart communication cable for the connection with PC c) MDC type cable of length at least of 1m with connection to diver DXT			4 sets of each	



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Annex-A

IWMI-RFQ-019-2024

Evaluation and Award:

The award will be made to a responsible offeror whose offer follows the RFQ instructions, meets the source/origin/nationality requirements, and is judged to be the most advantageous in terms of the following evaluation criteria. Only those offers will be considered who meet or exceeds the requested specification. In judging the offers, the following criteria will be used with weights applied accordingly:

- **Meeting Technical Specification -- (70)**
- **Financial — (30)**