

Item Rate BoQ

Tender Inviting Authority: Tender Inviting Authority: GWRDM Div, WAPCOS Ltd.

Name of Work: Drilling, construction of approx. 138 nos. piezometers with supply, installation and commissioning of 138 nos. Digital Water Level Recorder (DWLRs) along with supply, installation and commissioning of 43 nos. Digital Water Level Recorder (DWLRs) in Existing Piezometers under FMDA area

Tender No. WAP/GWRD&M/DRILLING-DWLR/2025-26/FMDA/Oct-25/1

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| Name of the Bidder/ Bidding Firm / Company : | |
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PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Note- (1. If the additional quantity of any item is needed as per technical requirement at site, the same shall be decided by WAPCOS & GMDA;

2. Payment shall be made based on actual executed quantities of each item at site.

3. The payment of pipe shall be made based on actual consumptions of pipes

4. The pipes shall be supplied by the bidder as per technical specification & BOQ.

5. The quoted price should be inclusive of all duties as applicable (except GST);

6. In Alluvium Formation pilot hole depth shall be determined based on log depth & In Hard Rock formation drilling depth shall be based on actual measurement depth of wells.)

| NUMBER # | TEXT # | NUMBER # | TEXT # | NUMBER # | NUMBER # | TEXT # |
|----------------------|--|---------------|--------|---|---|-----------------------|
| Sl. No. | Item Description | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. (Excluding GST) | TOTAL AMOUNT Without Taxes in Rs. (Excluding GST) | TOTAL AMOUNT In Words |
| 1 | 2 | 4 | 5 | 13.00 | 53 | 55 |
| 1 | Drilling of pilot hole for Piezometer using bentonite fluid by rock roller/drag bit of 300 mm dia including formation sample collection at every 3m, preparation and submission of litholog. (Drilling Depth can be varied from 60 m to 130 m as per the recommendation received by Site-in-charge) - Alluvium Formation | 8658.000 | Meter | | 0.00 | INR Zero Only |
| 2 | Drilling of overburden by Rockroller/ drag/ button bit to accommodate ERW casing pipe of 150 mm nominal size dia, including sample collection, preparation and submission of litholog, measurement of discharge through V-notch at various stages (Depths) of drilling, collection of water sample of each fracture zone encountered adopting standard procedure in 1 ltr good quality Standard HDPE bottle. - Hard Rock Formation | 1650.000 | Meter | | 0.00 | INR Zero Only |
| 3 | Drilling by DTH Method using appropriate size of button bit so as to reach targetted depth with diameter of hole not less than 135 mm at 100 m depth and final hole diameter not less than 125 mm at hole bottom including sample collection and preparation of lithology. | 1363.000 | Meter | | 0.00 | INR Zero Only |
| 4 | Digital Electrical logging using 406 mm and 1626 mm (16" and 64") SP, resistivity probe and Natural gamma logging, submission of log graph & report including zone wise water quality, logging graph, composite log etc. | 106.000 | Nos | | 0.00 | INR Zero Only |
| 5 | Caliper logging | 32.000 | Nos | | 0.00 | INR Zero Only |
| 6 | Supply and installation of 100 mm Nominal dia "U-PVC" Blank Pipe conforming to Table 5 of latest version of IS: 12818:2010. | 7787.000 | Meter | | 0.00 | INR Zero Only |
| 7 | Supply and installation of 100 mm Nominal Dia U-PVC" Screen Pipe conforming to Table 1 of latest version of IS: 12818:2010 (slot opening 0.75 mm to 1 mm - Screen Size as per site condition) | 606.000 | Meter | | 0.00 | INR Zero Only |
| 8 | Supply and installation of ERW MS casing pipe of 150 mm nominal size dia, thickness 5 mm conforming to Table 3 of latest version of IS: 4270-2001 of diameter and thickness | 1331.000 | Meter | | 0.00 | INR Zero Only |
| 9 | Supply and shrouding of pea gravel of Particle size range 2.00 mm to 3.35 mm for 1.0 mm screen opening conforming to latest version of IS: 4097-1967. | 8658.000 | Meter | | 0.00 | INR Zero Only |
| 10 | Development by Air Compressor of adequate capacity for minimum 4 hours, over pumping and by other means till discharge water is clear and free of sand including collection of two water samples from PZ well adopting standard procedure in 1 litre HDPE bottle | 106.000 | Job | | 0.00 | INR Zero Only |
| 11 | Chemical analysis of water samples for 15 parameters Ph, EC, TH, TDS, Ca, Mg, Na, K, CO ₃ , HCO ₃ , SO ₄ , NO ₃ , Cl, F, & Fe, in NABL accredited labs and submission of report from NABL lab | 138.000 | Job | | 0.00 | INR Zero Only |
| 12 | Construction of cement concrete platform 0.70 x 0.70 x 0.60 m (0.30 m above ground level) using concrete mix of 1:2:4 around the housing pipe welded minimum 6 nos. anchoring plate as per drawing | 138.000 | Job | | 0.00 | INR Zero Only |
| 13 | Supply and installation of protection box made of GI sheet of 3.15mm thickness along with Brass lock (7 lever hardened) and three keys for each lock as per drawing & Well Cap as per drawing. MS Plate size 5 to 10mm with welding on outer surface of casing pipe 0.5mtrs. | 138.000 | Job | | 0.00 | INR Zero Only |
| 14 | Supply and installation of display board as per specification in drawing | 138.000 | Nos | | 0.00 | INR Zero Only |
| 15 | Preparation and submission of basic data report in triplicate along with logging graphs, data sheets, analysis sheet, logging graphs, chemical analysis report from NABL lab, photographs/ videos of activity drilling assembly, part assembly lowering, pumping test, pumping test, V- notch discharge at various depths of drilling well site with display board well cap, protection box activity for each EW site, etc. The soft copy should be submitted. | 138.000 | Nos | | 0.00 | INR Zero Only |
| Total in Figures | | | | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | |

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Note- i.) 02 sets of Full

documentation and maintenance instructions (in English) in soft and hard copies of per equipment showing details shall be supplied to consignee and Client.

ii.) Any wire required other than the cable shall be supplied free of cost and it should be on reel.

iii.) Training by OEM expert/OEM authorised technical person for data acquisition, processing, interpretation, up keep and maintenance and trouble shooting, field minor repairing, principle as well as practical for consignee's representative per equipment for required period at supplier cost at consignee place shall be provided before/after or during commissioning. The training should be to the entire satisfaction of consignee.

iv.) Installation, Commissioning and field testing: Supplier has to arrange for commissioning and testing of equipments, if required along with its components at Jurisdiction of consignee place at supplier cost, Supplier will inform in advance for installation and commissioning of the equipment.

v.) Length of sensor cable wire of ADWLR may vary from site to site of piezometers and it will be the responsibility of contractor to manage the installation upto desired depth.

vi.) Any items/accessories needed for safe and smooth operation of equipment even though not mentioned in the BOQ/Technical specification are deemed to be covered by BOQ and the same shall be supplied without any additional cost.

vii.) Above quoted cost includes all charges for items, articles, consumables and operations mentioned above or other items required for smooth running and functioning of equipment including cost of visiting the Service Engineer/Technician at the location during the comprehensive warranty and nothing extra shall be paid on this account.

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| 1 | 2 | 4 | 5 | 13 | 53 | 55 |
| 1 | Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 30 meter along with sensor cable, as per list of installation sites in Tender, including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications. | 131 | Each | | 0.00 | INR Zero Only |
| 2 | Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 50 meter along with sensor cable, as per list of installation sites in Tender, including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications. | 44 | Each | | 0.00 | INR Zero Only |
| 3 | Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 70 meter along with sensor cable, as per list of installation sites in Tender including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications. | 4 | Each | | 0.00 | INR Zero Only |
| 4 | Supply Installation, Testing and Commissioning of Digital Water Level Recorders (DWLRs) with non-vented hydrostatic pressure type sensor with barometric pressure correction for individual station with measurement range (as per attached list) of up to 100 meter along with sensor cable, as per list of installation sites in Tender including junction box and necessary accessories with battery operated data logger and GSM & GPRS telemetry system, complete as per the technical specifications. | 2 | Each | | 0.00 | INR Zero Only |
| 5 | Integration of DWLR GSM & GPRS data at Cloud server to the existing State Data Center and e-SWIS/State Server with (Pull/push) API and Web interface as per technical specifications. * Provision of Services for Cloud Server is in Scope of Bidder | 1 | Each | | 0.00 | INR Zero Only |
| 6 | Construction of Fencing with wire mesh (76 mm x 76 mm x 12 mm gauge) around the piezometer site as per drawing attached including Fabrication and supply, fixing and painting of Fencing angle iron, sign board of frame size 0.75 m x 0.6 m x 1.2 mm thick with cross strips and provision to fix on wire mesh frame. Overall size of fencing will be 2 m x 2 m x 2 m above ground as per Drawing and Design including all labour and material etc. required as per technical specifications. | 181 | Each | | 0.00 | INR Zero Only |
| 7 | Training of the purchaser's personnel at the supplier's plant and/or/onsite in assembly, startup, operation, maintenance and/or repair of DWLR with telemetry and relevant software and supplied goods. Course topics will include sensor calibration, data logger configuration, data downloading, data retrieval, collection, Trouble shooting, processing maintenance requirements and procedure for equipment configuration, installation, site testing and commissioning including training kit containing course material in soft and hard copies as per technical specification | 3 | Each | | 0.00 | INR Zero Only |
| 8 | 5 Years Operation and Maintenance and Comprehensive Warranty for DWLRs with Telemetry system along with accessories, installed at designated locations as specified in schedule, after final acceptance and up gradation of all software associated with DWLR systems. This includes replacement of batteries as & when required at bidders cost. The cost of communication using GSM & GPRS sim cards and other related charges. | 181 | Each | | 0.00 | INR Zero Only |
| Total in Figures | | | | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | | INR Zero Only | | | |