

**Item Rate BoQ**

Tender Inviting Authority: Nodal Officer (Environment & Forest), Magadh-Sanghmitra Area.

Name of the Work / Contract No: Providing and installing 2 nos. piezometer with room in different places of Magadh OCP under Magadh-Sanghmitra Area, CCL. (e NIT No. 01 of 2024-25)

	<b>Category of Services (To Be Selected by Department)</b>	<b>Category of Bidder (To Be Selected by Bidder)</b>	<b>To Be Entered by Department</b>			
<b>ITC Not Available</b>	<b>Works Contract</b>	<b>Bidder's Status (Mandatory)</b>	<b>Rate of GST (in %)</b>	<b>Total GST(in Rs.)</b>	<b>GST to be Paid By Bidder (in Rs.)</b>	<b>GST to be Paid By CIL/Subsidiary (in Rs.)</b>
<b>Name of the Bidder/ Bidding Firm / Company :</b>		<b>Select</b>	<b>18</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**PRICE SCHEDULE**

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

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8
1	<b>PART - "A" - PIEZOMETER</b> Preparatory work for carrying out drilling including surface dressing, making channels, mobilization & demobilization	2.00	Per site			0.00	INR Zero Only
2	Rotary Drilling of 2 Nos. of 300 mm diameter borehole each (Depth of borehole for Piezometer assembly varies from 26 m to 146 m)	151.00	Meter			0.00	INR Zero Only
3	Provided 150 mm diameter medium duty GI blank casing including joining together by ring of peripheral welding.	63.00	Meter			0.00	INR Zero Only
4	Provided 150 mm medium duty GI slotted casing with vertical slots (size: 1.6 x 76 mm) with overall open area of minimum 10% - 15%.	90.00	Meter			0.00	INR Zero Only
5	Providing and fixing bail plug 150 mm diameter	2.00	Nos			0.00	INR Zero Only
6	Providing and fixing of central guide at ~30 m interval	4.00	Nos.			0.00	INR Zero Only
7	Lowering of casing (Piezometer Assembly) of 150 mm diameter into the Meter borehole drilled	151.00	Meter			0.00	INR Zero Only
8	Providing and filling of pea size gravel (quartz) of 3 - 5 mm diameter into annular space of well 300/150 mm diameter.	111.00	Meter			0.00	INR Zero Only
9	Providing cement sealing (2 m) to prevent entry of the groundwater from top aquifer into piezometer	2.00	Meter			0.00	INR Zero Only
10	Providing bentonite sealing (2 m) to prevent entry of the groundwater from top aquifer into piezometer	2.00	Meter			0.00	INR Zero Only
11	Providing sand pack (2 m) to prevent entry of the cement slurry from cement sealing into gravel pack and for separating two aquifer zones after gravel pack	2.00	Meter			0.00	INR Zero Only
12	Providing clay filling above cement seal up to ground level but below sanitary seal to prevent entry of the surface and sewage water at top	34.00	Meter			0.00	INR Zero Only
13	Development of the 2 piezometers using compressed air from suitable air compressor for 5 hours for each piezometer	10.00	Hour			0.00	INR Zero Only
14	Providing well cap with locking arrangement. 1" dia socket with plug to be fixed in the center of well cap.	2.00	Nos			0.00	INR Zero Only
15	Providing sanitary seal of 3.0 m with concrete platform to protect the piezometer.	2.00	Nos			0.00	INR Zero Only
16	Compressor test of piezometers by running of air compressor for 5 hours (without any break) and recuperation of water level for 5 hours	10.00	Hour			0.00	INR Zero Only
17	providing Online Ground Water level recorder with contineous data logging facility with telemetry for online Data transfer.	2.00	each			0.00	INR Zero Only
18	Cable 2 core PVC 1.5 sqm Black and supporting wire tape.	151.00	Meter			0.00	INR Zero Only

19	<b>PART - "B" - PIEZOMETER ROOM</b> Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm on plan including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed within a lead of 50m.	18.52	Cum			0.00	INR Zero Only
20	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	3.76	Cum			0.00	INR Zero Only
21	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:4:8 (1 Cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	3.76	Cum			0.00	INR Zero Only
22	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	1.30	Cum			0.00	INR Zero Only
23	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	5.08	Cum			0.00	INR Zero Only
24	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars	574.20	Kg			0.00	INR Zero Only
25	Centring and shuttering including strutting, propping etc. and removal of form for removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	20.80	Sqm			0.00	INR Zero Only
26	Brick work with F.P.S. bricks of class designation 50 in foundation and plinth in :Cement mortar 1:6 (1 cement : 6 coarse sand)	7.82	Cum			0.00	INR Zero Only
27	Brick work with F.P.S. bricks of class designation 5.0 in superstructure above plinth level upto floor V level in all shapes and sizes in :Cement mortar 1:6 (1 cement : 6 coarse sand)	18.92	Cum			0.00	INR Zero Only
28	12 mm cement plaster of mix :1:6 (1 cement : 6 fine sand)	135.00	Meter			0.00	INR Zero Only
29	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	60.90	Kg			0.00	INR Zero Only
30	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.	5.22	Sqm			0.00	INR Zero Only
31	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	12.16	Sqm			0.00	INR Zero Only
32	Finishing walls with water proofing cement paint of required shade :New work (Two or more coats applied @ 3.84 kg/10 sqm)	72.90	Sqm			0.00	INR Zero Only
33	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	11.58	Cum			0.00	INR Zero Only
34	Providing flat soling in required pattern with brcks of class designation 5.0 including joints filled with sand all complete.	18.00	Sqm			0.00	INR Zero Only
35	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.	18.54	Sqm			0.00	INR Zero Only
36	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing top smooth.	16.00	Sqm			0.00	INR Zero Only
37	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete:Fixed to steel windows by welding	34.56	Kg			0.00	INR Zero Only
38	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two or more coats) over and including priming coat with cement primer	62.10	Sqm			0.00	INR Zero Only
39	6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand)	28.36	Sqm			0.00	INR Zero Only
40	Centring and shuttering including strutting, propping etc. and removal of form for removal of form for:Suspended floors, roofs, landings, balconies and access platform.	26.36	Sqm			0.00	INR Zero Only

41	Centring and shuttering including strutting, propping etc. and removal of form for removal of form for Weather shade, Chajjas, corbels etc., including edges	2.00	Sqm			0.00	INR Zero Only
42	<b>Total impact of GST for the purpose of CTC</b>	1.000	Nos		0.00	0.00	INR Zero Only
<b>Total in Figures</b>						<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>		<b>INR Zero Only</b>					