

BOQ FOR 1 Nos BOREHOLE (200-250M)

BILL OF QUANTITIES

S. No.	Description of work	Quantity	Unit	Unit price	Total Cost
					NGN
1.0	PRELIMINARIES				
1.1	Project signboard	1.00	L/S		0.00
1.2	Mobilisation, Erection of equipment and dismissing of same after completion of drilling	1.00	L/S		0.00
					0.00
2.0	BOREHOLE CONSTRUCTION				
2.1	Geophysical investigation of the area for location of most suitable point for drilling if applicable	1.00	L/S		0.00
2.2	Drilling in sedimentary formation to appropriate formation in appropriate diameter for installation of casings and screens	250.00	m		0.00
2.3	Supply and install working casing	1.00	L/S		0.00
2.4	Allow for control of loss of circulation zone beyond 4hrs (if applicable)	1.00	Hrs		0.00
2.5	Backfilling and sealing abortive borehole	1.00	L/S		0.00
					0.00
3.0	SUPPLY AND INSTALLATION				
	<i>supply and install the following</i>				
3.1	150mm diameter steel AP casings	250.00	M		0.00
3.20	Backfilling wall, annulus and casings	1.00	L/S		0.00
3.30	Inject cement grout to protect borehole surface from surface water up to 10m below the ground level	5.00	m		0.00
3.40	Collection and water sample analysis	1.00	L/S		0.00
3.50	Borehole detail report (including coordinates of the location, lithologic description, pumping test result etc) with progress photographs in format of hardware and software	1.00	L/S		0.00
3.60	Borehole pump test and flushing for at least 36hr	1.00	L/S		0.00
					0.00
4.0	SOLAR COMPONENT				
4.1	solar pump minimum 2HP, Maximum power rating 300v, pump minimum 150m up to 2000m, minimum output 2m ³ /hr. copper cable, wellhead, safety rope and other accessories	1.00	L/S		0.00
4.2	supply and install Mono solar panels (200watts) should be installed to power the borehole. Sun intensity, wind speeds and orientation should be main considerations to optimize use.	10.00	Nr		0.00
4.3	Disinfection of borehole and pump	1.00	L/S		0.00
					0.00
5.00	<u>OVERHEAD TANK/STAND</u>				
5.10	earthwork in excavation of soil in foundation commencing at stripo level and not exceeding 1200mm deep	7.94	Cu.m		0.00
5.20	Plain insitu concrete (1:10-40mm aggregate), blinding, vibrated not exceeding 150mm thick. (footings)	0.55	Cu.m		0.00
5.30	Vibrated Reinforced insitu concrete (1:2:4-19mm aggregate) filled into formwork and well packed around reinforcement. Ground beams, columns, beams and slabs	4.89	Cu.m		0.00
5.40	High yield hot rolled steel reinforcement bars (to engineers specification)	243.00	Kg		0.00
5.50	Binding wire	2.00	rolls		0.00
5.60	Plain sawn formwork to horizontal sides of beams, slabs and columns	15.42	Sq.m		0.00

