

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL KSH
	BOREHOLE DRILLING				
1	Mobilization, Setting up, Demobilization & Shifting: Mobilization to the project area of all plant, materials, equipment and personnel, including demobilization at the end of drilling the contract.	1	Ls		
2	Drilling, Installation, Development, Testing of Production Borehole:				
2.1a	Drilling one borehole with finished internal diameter 8" to the required maximum depth. From ground level to 40 m	40	m		
2.1b	As item 2.1a from 40 - 70 meters	30	m		
2.1c	As item 2.1a from 70 - 200 meters	60	m		
2.2)a)	Supply and installation of plain steel 6" (152mm) Class B steel casing - 4.5 mm thickness	15	pcs		
3.3(a)	Supply and installation of slotted steel casings 6" (152mm) Class B diameter - 4.5 mm thickness	7	pcs		
2.4	Grout between the casing and the borehole for top ten meters	1	Ls		
2.5	Installation of gravel pack (2-4mm) (not laterite) to at least 3m above top screen.	10	Ton		
2.6	Borehole development by airlifting and/or surging for minimum of 4hrs, with estimate of discharge and static water level measurement.	4	Hrs.		
2.7	Test Pumping for 24 hours, draw-down, yield recovery and data analysis	1	Ls		
2.8	Bentonite sealing compound	2	pkts		
2.9	Cement seal	0.5	ton		
3	Surface Casing - Estimated for Loose Formation:				
3.1	Supply and Installation of surface casing (To be Retained)	6	m		
4	Completion:				
4.1	Install 6" well head steel cap and cement slab of dimensions 1.0MX1.0MX10M	1	Ls		
4.2	Collect water samples and carry out full water quality analysis (chemical and bacteriological analysis) for in a reputable laboratory acceptable to the Project Manager and submit water quality test report	1	Ls		
	INSTALLATION OF SMART METERS	1			
	SUB - TOTAL 1				
	ELEVATED STEEL TANK, WATER COLLECTION POINTS AND PIPEWORK				
	Construction				
1	Construction of an elevated 25 meter high steel tower with a plastic tank of capacity of 5,000 liters	1	no		
3	Construction of water collection point for the community members, with 2 water tap.	1	no		

4	Installation of a steel 1.m x1m x1m borehole lockable cover	1	no		
5	Construction of steel covered valve chambers	2	no		
	SUB - TOTAL 2				

	SOLAR PUMP				
	<p>Provide, install and commission a submersible pump capable of delivering 5m³/hr against a head of 125m or as directed by the Project Manager. complete equipping</p> <p>NB: Indicate the make of the pump and motor. Size of casing is 8".</p> <p>Pump</p> <p>Make...EMPOWER 5-33</p>				

1 Country of Origin: INDIA..... Make of Motor: EMPOWER 3KW.....	1	no		
	SUB - TOTAL 3				
	TOTAL 1-3 (Hardware)				
	SOFTWARE ACTIVITIES				
1	Evangelism, health hygiene and sanitation activities	1	ls		
2	Donor plaque	1	no		
3	Training the community on operation and maintenance	1	ls		
4	Project sustainability engagements with the community	1	ls		
5	Project Commissioning and handover	1	ls		
	SUB-TOTAL 4 (Software)				
	TOTAL COST				