



Annex B: Scope of Works

**Name of Project: CONSTRUCTION OF WATERLINE SYSTEM AT BULANA O CAMPUS**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
800 (1)	<b>CLEARING AND GRUBBING</b>	9.00	sq.m	-covers the clearing of area wherein the well will be located -covers the clearing of the site before and cleaning it after the completion of the project -specifications are as follows Minor Tools (10% of Labor) <b>-refer to plans for location</b>
SPL-I	<b>DRILLING AND CONSTRUCTION OF DEEPWELL</b>	49.00	ln.m.	-covers the drilling of 1 sets of 49 meter deep well -specifications are as follows Drilling Rig Power Tools Minor Tools <b>-refer to INFRA for location</b>
1002 (28)	<b>COLD WATER LINES</b>	1.00	lumpsum	-covers the installation of waterlines from the submersible pump to the elevated water tanks -specifications are as follows Minor Tools (10% of Labor) Power Tools 1.25" (40mm), HDPE Pipe, SDR 11, 100m 1.25" (40mm), Compression Coupling 1.25" (40mm), Compression Elbow 1.25" (40mm) P.E. Compression Valve 1.25" (40mm) Check Valve Teflon Tape <b>-refer to plans for details</b>
1201	<b>WATER PUMPING SYSTEM</b>	1.00	lumpsum	-covers the installation and electrification of 1 set of submersible pump including grounding, and service equipment mounting (refer to INFRA for location of service tapping) -covers the excavation and back filling of wire ways (300mm trench) -covers the testing and commissioning of the submersible pump -specifications are as follows Minor Tools (10% of Labor) Power Tools Submersible Pump, 2 HP, Multi Stage (11), 1.25"Ø (40mm) Discharge, 4"Ø Pump Diameter, Single Phase 3 Wire, 230V, 25gpm at peak efficiency @ 65m TDH, with complete Control Panel and Accessories 3 C, Duracord (5.5mm <sup>2</sup> ) 5.5mm <sup>2</sup> Wire 40mmØ PVC Pipe, 3m 40mmØ Locknut and Adapter 40mmØ Elbow PVC Solvent Cement, 100cc 3-8.0mm <sup>2</sup> , THHN, Cu Wire, Stranded, (2L+G) Metal Clamp, 40mmØ Concrete Screw, 25mm Ground Rod, 1/2", 5 ft Ground Clamp, 1/2" Electrical Tape Rubber Tape, Self-fusing, 3/4" <b>-refer to plans for details</b> <b>-pumps and fitting should be approved first by the Infrastructure Unit before installation</b>