



**Annex C\_Scope of Works**

**Name of Project: Solar Powered Irrigation System for Improved Mulberry Biomass Production**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
SPL-1	<b>SOLAR POWERED WATER PUMPING SYSTEM</b>	1.00	lumpsum	Construction and well drilling of Solar Powered Water Pumping System -specs are as follows  <b>Water Pumping System</b> Submersible Pump, 1.5HP with complete control panel and accessories HDPE Pipe, 32mm, SDR 11, 100m Compression Elbow, 32mm, 90deg Compression Coupling, 32mm Compression Tee, 32mm PVC Gate Valve, 32mm Solvent  <b>Solar Panels and Electrical Accessories</b> Solar Panel, 375 watts, mono crystalline Solar Pump Controller, 5kVA Surge Protection Device DC Circuit Breaker, 30AT Submersible 3 Wire Cord 2.5mm 3.5mm sq THHN wire MC4 connector Electrical Tape 3/4 x 16M Black Color Heavy Duty  <b>Railings &amp; Frames</b> Aluminum Railings Aluminum Clamp Angle Bar, 50mmx50mmx5mm thick Cement  <b>Drilling Items</b> 100mmØ, G.I. Pipe, Schedule 80 (well casing) 50mmØ, G.I. Pipe, Schedule 40 Gasoline Diamond Drill Bit