



International Federation
of Red Cross and Red Crescent Societies



German Red Cross-Bangladesh Delegation
Solarisation of 2 Production Boreholes, Camp13/18

Bill of Quantity (BoQ)

Sl No	Description of Item	Quantity	Unit	Unit price (in BDT)	Amount (in BDT)
1	Solar Panels: 250Wp, 30V-33V and max amperage of 8.2A, type Poly Crystalline, 20 years warranty; incl. delivery of all necessary parts & installation Output 3.000Wp / 190V & 12A series @ 2x6 parallel connection; ALSO PROVIDE PANEL SPECS: MIN POWER RATING, COEFFICIENT OF TEMPERATURE AND VOLTAGE RATING + Panel efficiency rating (if known); Quotation will not be considered without product details	12	Panel/ pcs		
2	Solar Pump Controller, Micno/Bredford/Lorentz 1HP or equal, 410-450V DC to 3AC/1AC 220V, Frequency min. 0-200Hz; Current: 16Amp Including delivery of all necessary parts and installation	1	Pc		
3	Surge Protection with MCB 16A	1	Pc		
4	Cable and accessories, PVC insulated Non-Sheathed Single Core cable 45-/750V (BDS:900/2000 & BS: 6000/84) BYA (terminals, electrician tape, etc.), including delivery of all necessary parts and installation (4mm ² earthing cable, 4 mm ² connection btw. PV-Array and SPC) BRB/BBS/supersign or Equiv	90	Feet		
5	PV structure and civil basement, (2.5"-3" dia 3 mm thickness SS solar panel stand (Back side stands should be 1930 mm height and front side stands should be 1300 mm height), Every 4 panel will be under a frame, connection to roof structure, etc.), Galvanized, angle(support) 38*38*4mm, angle (main) 50*50*4mm, including delivery of all necessary materials and installation. Before starting this activity should be visit the site for proper measurement of solar stand ht. and civil basement. Standard Installation guidelines	1	Job		
6	Earthing and lightning arrestor, Copper rod: 2 feet, GI pipe 10 feet, earthing rod /copper wire including delivery of all necessary parts, fittings and installation Following National Standard BNBC 2006	1	pcs		
7	Transportation, installation, testing and commissioning including all necessary accessories Following National Standard BNBC 2006	1	Job		
		PRICE for 1 System			
		Total for 2 Solar Systems			
		Transportation Cost for Materials (lump)			
		OVERALL TOTAL			