

### German Red Cross-Bangladesh Delegation

#### Bill of Quantity (BoQ) for Shallow Shrouded Tube Well (SST) - 1 water point from 1 source

S.L	Description of Item	Quantity	Unit	Unit Price (In BDT)	Amount (In BDT)
1	<b>Site Preparation</b>	1	LS		
2	a) Shallow Shrouded Tube well (SST) Pond excavation where Putting PVC strainer and find Water	3258	cft		
	b) Pond Back Filling with Earth	2738	cft		
	c) Earth excavation & back filling for Laying water distribution pipeline average depth 2'-6"	700	rft		
	d) Dewatering: Pumping and bailing out the water	1	LS		
	e) Sand back filling (2.5 FM) in Pond: where setup the filter to create artificial aquifer.	182	cft		
	f) Sand back filling (1.50 FM) in Pond above the 2.5 sand layer.	338	cft		
3	<b>Plumbing work:</b> Carrying, fitting, fixing of required plumbing materials such as: HDPE pipe, pvc strainer and check valve where it be required, requisite fittings and fixtures, seal tape, solvent cement etc. All complete according to the instruction of Engineer-				
	a) PVC Strainer (3" dia, D-class/REG, 4.6mm to 5.3mm, 10' long each) slot size. Width of slot 0.4mm/400micron (Maximum) OR 10 slot	10	rft		
	b) 3" dia PVC Bell Plug	1	nos		
	c) GI pipe nipple (1 inch dia, 3 feet long with 2nos-10mm bar welded on outer surface). Best Quality pipe, Hatim Brand or Equal Brand	6	nos		
	d) GI pipe nipple (1 inch dia, 6 inch long)	2	nos		
	e) PVC Elbow ( 3 inch dia)	1	nos		
	f) PVC Thread Socket 1 inch dia	6	nos		
	g) PVC Reducer (3inch X 1 inch)	1	nos		
	h) PVC Reducer (1.5inch X 1 inch)	1	nos		
	i) PVC Thread Union Socket 1 inch dia	4	nos		
	j) PVC Thread Socket 1 inch dia	5	nos		
	k) GI Elbow ( 1 inch dia)	3	nos		
	l) Check valve (Bronze, 1" dia, Spring mechanism , threaded both end)	3	nos		
	m) GI pipe nipple (1.5 inch dia, 3' in long)	1	nos		
	n) Solvent cement/Gum tube (best quality/brand/konne japan)	2	nos		
	o) Seal tape (PVC/best quality/brand)	6	nos		
	p) HDPE Coil Pipe Double Layer ( Size - 1"X1200', thickness 2.40mm to 2.60mm)	700	rft		
q) <b>Hand Pump:</b> Made cast iron( Beral height 510mm, dia 88.9 - 89.7mm and 6.5mm thickness ) RFL Heavy duty brand, weight 27.5 -29kgs.	1	nos			
r) Plumbing work	1	LS			
4	<b>Construction of 6ft X 6ft (1.83m X 1.83m) Platform with (1'x1'x1'-6") Grease trap;</b> through leveling/dressing and manually compaction of site, 10" width trench cutting at a depth of 10" thick 2 layers of brickwork as a foundation, 5" thick brick wall 6 layers (1.5ft), should be used 10mm iron rod @10"C/C in both directions, sand filling and compaction in the plinth up to 9" height, laying off 1 layer brick soling (leveled to the brick wall), 3" thick (1:2:4) CC casting over the brick soling including 24"X12" X12" CC block towards downward from the surface, conduct brick masonry work for the steps over 3" thick CC casting and provide 5" wide surrounding border and (1'x1'x1'-6") sizes of grease trap with necessary materials e.g. 4" elbow, socket, Tee and pipe, etc. The Grease trap will be connected to existing drain or low lands with 2" dia PVC pipe (class-C). First-class brick, 1st class khoa, coarse sand, and Rubi/Scan cement is recommended. The work should be completed as per the design and instruction of Engineer-in-Charge.	1	nos		
				Total	
	<b>In Word:</b>				



**All unit prices are without VAT and including TAX.**

**Validity of Quotation minimum 180 days from the deadline for submission.**

***Date of Quotation:***

**Stamp and Signature of Bidder**