BILL OF QUANTITIES

FOR

PROPOSED WATER STATION (MOTORIZED WITH 5000L TANK)

FOR

QATAR CHARITY ORGANISATION

QATAR CHARITY

5000 Litres WATER STATION

Ref	abridged description	Qty	unit	rate	amount
	PRELIMINARIES				
A	Location of site		sum		
B	Temporary fencing		sum		
C	Site cleaning		sum		
D	Carthing away debris		sum		
E	Water for works		sum		
F	Industrial cleaning		sum		
G	Tools		sum		
H	Project signboards		sum		
I	Photography/videography		sum		
	Preliminaries to summary				

QATAR CHARITY

5000L WATER STATION

Ref	abridged description	Qty	unit	rate	amount
	PROPOSED WATER STATION				
	ELEMENT No. 1				
	SUBSTRUCTURE(All Provisional).				
	SITE PREPARATION				
A	Excavate over site av.150mm thick .	34	m^2		
B	Deposite in temporary spoil heap for re use.	8	m^3		
	EXCAVATIONS AND EARTHWORK				
C	Excavate trench for foundation max depth n.e 1.2metres	18	m^3		
D	Ditto pit	3	m^3		
E	Remove surplus excavated materials from site.	8	m^3		
F	Select excavate materials backfilling around foundations.	7	m^3		
	FILLING				
G	300mm Laterite earth filling	8	m^3		
H	150mm thick Hardcore fillings to make up level	2	m^3		
	SURFACE TREATMENT				
I	Level and compact bottom of execavation	18	m^2		
	CONCRETE WORK				
	Plain in situ concrete				
J	Foundation footing 150mm thick	1	m^3		
K	50mm Plain in situ concrete blinding .	0.5	m^3		
	Reinforced in situ concrete (1:2:4 -20mm aggregate)				
L	Column bases	0.5	m^3		
M	Column starter	0.5	m^3		
N	100mm to bed	1	m^3		
O	Vertical sides of column bases	11	m^2		
P	Ditto Edges of ground Slab 150mm wide	20	m		
Q	12mm Diametre bar	85	kg		
R	16mm Diametre bar	76	kg		
S	10mm in links	30	kg		
	BLOCK WORK				
T	150mm wall fill with weak concrete	26	m^2		
	External Finishing				
U	19mm plastering (1:3) Wall	10	m^2		
	Painting / Clear Finishing				
V	Apply texcote paint externally	10	m^2		
	Substructure to summary				

Classification: Internal داخلي

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.2				
	FRAME STRUCTURE				
	Reinforced in situ concrete				
A	Column	0.5	m^3		
B	Beam	0.5	m^3		
	Sawn formwork to				
C	Vertical sides of column	10	m^2		
D	Ditto sides and soffit of beam	7	m^2		
	High yield deformed bar reinforcement to B.S 4489 in				
	In column				
E	12mm Diametre bar	0	kg		
F	16mm bar	76	kg		
G	10mm in links	35	kg		
	In Beam				
H	25mm Diametre bar	0	kg		
I	20mm Ditto	0	kg		
J	16mm Ditto	51	kg		
K	12mm Ditto	0	kg		
L	10mm in links	25	kg		
	ELEMENT No.3				
	UPPER FLOOR				
	Reinforced in situ concrete				
M	Floor slab	0.5	m^3		
	Sawn formwork to				
N	Soffit of suspended slab	10	m^2		
O	Ditto Edges of suspended slab not exceeding 250mm wide.	13	m		
	High yield deformed bar reinforcement to B.S 4489 in				
	In floor slab				
P	12mm Diametre bar	43	kg		
Q	10mm bar	30	kg		
	Frame Structure (pg1) to summary				
	ELEMENT No.4				
	BRICK/BLOCK WALLING				
	Sandcrete hollow blockwork in stretcher bond				
A	225mm wall	18	m^2		
B	150mm wall	4	m^2		
C	150mm wall in roof parapet	0	m^2		
	Brick/Block walling to summary				
	ELEMENT No.5				
	DOORS				
	Reinforced in situ concrete .				
A	Lintel/Arc lintel	0	m^3		
	Sawn formwork to :				
B	Sides and soffit of lintel / Arc lintel	0	m^2		
	In lintel				
C	12mm Diametre bar	0	kg		
D	10mm Ditto bar	0	kg		
	Metal Door				
E	900mm x 1200mm steel door (burglar)	1	sum		
F	900mm x 2100mm steel door	0	sum		
	Doors to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.6				
	WALL FINISHES				
	Internal Works				
A	19mm plastering on Walls.	41	m^2		
B	Walls, width not exceeding 300mm wide	15	m		
C	Plaster of Paris wall screeding (internally)	0	m^2		
	Backing				
	12mm thick cement and sand (1:4) floated backing				
D	Walls. Width exceeding 300mm wide	20	m^2		
E	Walls, width not exceeding 300mm wide	12	m		
	Ceramic tilling				
	300 x 300mm unglazed tiles				
F	Walls. Width exceeding 300mm wide	20	m^2		
G	Walls, width not exceeding 300mm wide	12	m		
	Painting / Clear Finishing				
	Premium Gauge emulsion paint .				
Q	Rendered on wall, width exceeding 300mm	12	m^2		
R	Walls, width not exceeding 300mm wide	6	m		
S	Texcote paint on wall exceeding 300mm(externally)	30	m^2		
T	Walls, width not exceeding 300mm wide	12.36	m		
	Wall Finishes to summary				
	ELEMENT No.7				
	ELECTRICAL SERVICES				
A	63A 4-way TP&N MCB Distribution Board (A & B)	0	Nr		
B	100A TP & N ELCB (A & B)	0	Nr		
	General Lighting				
C	Water tight wall mounted floodlights (100w) mounted at panel room and 3 water distribution points (including short pole to place the fitting)	2	Nr		
D	6w LED Ceilings fittings	1	Nr		
	Conduit and cable trunking				
E	20mm Diametre	15	m		
F	25mm Diametre	10	m		
G	50mm diametre	0	m		
	HV/LV Cable and wiring				
H	4 x 16mm^2 single core Pvc/Pvc copper cable	0	m		
I	3 x 6mm^2 single core Pvc/Pvc copper cable	0	m		
J	3 x 4mm^2 single core Pvc/Pvc copper cable	100	m		
K	3 x 2.5mm^2 single core Pvc/Pvc copper cable	0	m		
L	3 x 1.5mm^2 single core Pvc/Pvc copper cable	50	m		
	Accessories for Electrical services				
M	5A 1 gang 2 way switch	0	Nr		
N	5A 2 gang 2 way switch	1	Nr		
0	5A 3 gang 2 way switch	0	Nr		
P	Water heater wall switch with neon indicator	1	Nr		
	Earthing and bonding				
Q	Earthing of the whole installation at switch boards	0	item		
	2.5Kva Solar installation				
Q	Solar panels (inlcuding all installations) to power up to1.5hp submersible pump	1	sum		
	Builder's Work				
S	Allow a provisional sum of N40,000.00 for builder's work		sum		
	Electrical Services to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.8				
	PLUMBING SERVICES				
	Geotechnical/ Geophysical Surveying to assess ground water and hydrogeology of proposed site				
A	Survey		Ls		
	Punching and casing				
	Punching and casing (depth not less than 100m)				
B	Punching and casing max.depth not exceeding 120m	100	sum		
C	Installation of solar pump (0.5 to 1.5hp)		Ls		
	Water Tank				
D	5000 litre Geepee Tank	1	Nr		
	Extra over tiger pipes				
E	Elbows	14	Nr		
F	Equal tees	0	Nr		
G	Reducing tees	1	Nr		
H	Union Connector	6	Nr		
I	Adaptor/plug	2	Nr		
J	Gate Valve	1	Nr		
K	Non-return valve	0	Nr		
L	Nipples	10	Nr		
M	Venus Tap	10	Nr		
	Straight PVC pipes (tiger)				
N	150mm Diametre	0	m		
O	25mm Diametre	6	m		
P	13mm Diametre	3	m		
	Pipework ancillaries				
V	Traps; 38mm diametre	2	Nr		
ZI	**Builders work**	0			
ZJ	Allow a provisional sum of N80,000.00.		sum		
	Plumbing Services to summary				

ref	abridged description	Qty	unit	rate	amount
	SUMMARY				
A	**SUBSTRUCTURE**				
B	**FRAME STRUCTURE**				
C	**BLOCK WALLING**				
D	**DOORS**				
E	**WALL FINISHES**				
F	**ELECTRICAL SERVICES**				
G	**PLUMBING SERVICES**				
	Bill to summary				

Classification: Internal داخلي

QATAR CHARITY

5000 Litres WATER STATION

Ref	abridged description	Qty	unit	rate	amount
	SUMMARY				
A	Preliminaries	1			
B	Solar-powered borehole with 5000L tank	1			
C	Contingency (2.5%)	1			
D	V.A.T (7.5%)				
	5000L WATER STATION CARRIED TO SUMMARY				