BILL OF QUANTITIES

FOR

PROPOSED MOSQUE (80M^2)

FOR

QATAR CHARITY ORGANISATION

QATAR CHARITY

80sqm MOSQUE

Ref	abridged description	Qty	unit	rate	amount
	PRELIMINARIES				
A	Mobilization to site		sum		
B	Temporary fencing		sum		
C	Site security		sum		
D	Temporary electricity		sum		
E	Storage facility		sum		
F	Scaffolding		sum		
G	Site cleaning		sum		
H	Carthing away debris		sum		
I	Pressure testing		sum		
J	Water for works		sum		
K	Industrial cleaning		sum		
L	Plant, tools and machinery		sum		
M	Project signboards		sum		
N	Photography/videography		sum		
	Preliminaries to summary				

Classification: Internal داخلي

	QATAR CHARITY 80sqm MOSQUE				
Ref	abridged description	Qty	unit	rate	amount
	PROPOSED MOSQUE				
	ELEMENT No. 1				
	SUBSTRUCTURE(All Provisional).				
	SITE PREPARATION				
A	Excavate over site av.150mm thick .	100	m^2		
B	Deposite in temporary spoil heap for re use.	16	m^3		
	EXCAVATIONS AND EARTHWORK				
C	Excavate trench for foundation max depth n.e 1.0metres	37	m^3		
D	Ditto pit	3	m^3		
E	Remove surplus excavated materials from site.	17	m^3		
F	Select excavate materials backfilling around foundations.	20	m^3		
	FILLING				
G	300mm Laterite earth filling	34	m^3		
H	150mm thick Hardcore fillings to make up level	13	m^3		
	SURFACE TREATMENT				
I	Level and compact bottom of execavation	37	m^2		
J	Prepare and apply `Dieldrex` or similar equal	0	m^2		
	CONCRETE WORK				
	Plain in situ concrete				
K	Foundation footing 150mm thick	6	m^3		
L	50mm Plain in situ concrete blinding .	1	m^3		
	Reinforced in situ concrete (1:2:4 -20mm aggregate) - C15				
M	Column bases	4	m^3		
N	Column starter	1	m^3		
O	100mm to bed	10	m^3		
P	Vertical sides of column bases	15	m^2		
Q	Ditto column starter	7	m^2		
R	Ditto Edges of ground Slab 150mm wide	46	m		
S	12mm Diametre bar	140	kg		
T	16mm Diametre bar	0	kg		
U	10mm in links	30	kg		
V	Mesh fabric (3.5mm) spaced at 200mm centers	0	m^2		
	BLOCK WORK				
W	225mm wall fill with weak concrete	65	m^2		
X	Expansion joint 25mm thick particles board	0	m^2		
	External Finishing				
Y	19mm plastering (1:3) Wall	56	m^2		
	Painting / Clear Finishing				
	Plaster of paris wall screeding	0	m^2		
Z	Apply texcote paint externally	56	m^2		
	Substructure to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.2				
	FRAME STRUCTURE				
	Reinforced in situ concrete				
A	Column	1	m^3		
B	Beam	1	m^3		
	Sawn formwork to				
C	Vertical sides of column	10	m^2		
D	Ditto sides and soffit of beam	5	m^2		
	High yield deformed bar reinforcement to B.S 4489 in				
	In column				
E	12mm Diametre bar	69	kg		
F	20mm bar	0	kg		
G	10mm in links	51	kg		
	In Beam				
H	25mm Diametre bar	0	kg		
I	20mm Ditto	0	kg		
J	16mm Ditto	40	kg		
K	12mm Ditto	0	kg		
L	10mm in links	3	kg		
	ELEMENT No.3				
	UPPER FLOOR				
	Reinforced in situ concrete - C15				
M	Floor slab	0	m^3		
	Sawn formwork to				
N	Soffit of suspended slab	0	m^2		
O	Ditto Edges of suspended slab not exceeding 250mm wide.	0	m		
	High yield deformed bar reinforcement to B.S 4489 in				
	In floor slab				
P	12mm Diametre bar	0	kg		
Q	10mm bar	0	kg		
	ELEMENT No.4				
	STAIRCASE				
	Reinforced in situ concrete				
R	Staircase strings/steps	0	m^3		
S	Ditto landing	0	m^3		
	Sawn formwork to				
T	Soffit of strings	0	m^2		
U	Ditto soffit of landing	0	m^2		
V	Edges of the strings not exceeding 300mm wide	0	m		
W	Ditto Edges of landing slab not exceeding 250mm wide.	0	m		
X	Ditto Riser 158mm wide	0	m		
	High yield deformed bar reinforcement to B.S 4489 in				
	In staircase				
Y	12mm Diametre bar	0	kg		
Z	10mm bar	0	kg		
	Frame Structure (pg1) to summary				

ref	abridged description	Qty	unit	rate	amount
	Plastered/Rendered/Roughcast coatings				
ZA	Landing Soffit, width exceeding 300mm	0	m^2		
ZB	Soffit of string/ stairflight	0	m^2		
ZC	Strings, average width not exceeding 300mm	0	m		
	Sand cement Floorings				
ZD	38mm backing on Landing floors	10	m^2		
ZE	Treads; 300mm wide	24	m		
	12mm thick cement and sand (1:4) floated bed				
ZF	Risers; plain, 158mm high.	0	m		
	30 x 30 unglazed tiles				
ZG	Landing	7	m^2		
ZH	Tread; 300mm wide	5	m^2		
ZI	Risers; plain, 158mm high	2	m^2		
ZJ	Skirtings; 100mm high.	1	m^2		
	Painting/clear finishing				
	Premium Gauge texcote paint.				
ZK	Rendered surfaces, width exceeding 300mm	1	m^2		
ZL	Rendered surfaces, width not exceeding 300mm	2.5	m		
	Frame Structure (contd.) to summary				
	ELEMENT No.5				
	BRICK/BLOCK WALLING				
	Sandcrete hollow blockwork in stretcher bond				
A	225mm wall	70	m^2		
B	150mm wall	9	m^2		
C	150mm wall in roof parapet	51	m^2		
	Brick/Block walling to summary				
	ELEMENT No.6				
	ROOF STRUCTURE				
	Reinforced in situ concrete.				
A	Roof beam	2	m^3		
B	Concrete eaves fascial	0	m^3		
	Sawn formwork to :				
C	Sides of Roof beam	17	m^2		
D	Ditto to Curves surfaces of concrete eaves	0	m^2		
	In roof beam				
E	12mm Diametre bar	145	kg		
F	10mm Ditto bar	81	kg		
	In Column				
G	10mm Diametre bar	27	kg		
H	12mm Diametre bar	47	kg		
	Carpentary				
	Sawn seasoned and solignum-treated Hardwood in pitched roof members				
I	Tie beam 50mm x 150mm @ 1200mm centres	100	m		
J	Rafters 50mm x 100mm @ 1200mm centres	110	m		
K	Struts /King post 50mm x 150mm	150	m		
L	Purlins 50mm x 75mm @ 900mm centres	116	m		
	Aluminium Sheet				
M	Include a Prime cost sum for thick Gauge zinc roofing sheet including flashing, eave angle, and bash board	110	m^2		
	Roof Structure to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.7				
	WINDOWS				
	Reinforced in situ concrete				
A	Lintel	1	m^3		
	Sawn formwork to :				
B	Sides and soffit of lintel	10	m^2		
	In lintel				
C	12mm Diametre bar	46	kg		
D	10mm Ditto bar	24	kg		
	Metal Windows				
E	Include a Prime cost sum for Powder coated Aluminium standard sliding window (including nets) with 6mm reflective glass;	1	Nr		
	Burglar Proofing				
F	Window size 1200mm x 1200mm high	7	Nr		
G	Window size 600mm x 1200mm high	1	Nr		
H	Window size 600mm x 600mm high	4	Nr		
	Windows to summary				
	ELEMENT No.8				
	DOORS				
	Reinforced in situ concrete .				
A	Lintel/Arc lintel	1	m^3		
	Sawn formwork to :				
B	Sides and soffit of lintel / Arc lintel	8	m^2		
	In lintel				
C	12mm Diametre bar	35	kg		
D	10mm Ditto bar	19	kg		
	Metal Door				
E	1800mm x 2100mm Purpose made steel security door (50mm gauge)	1	sum		
F	1000mm x 2100mm Purpose made steel security door (50mm gauge)	3	sum		
	Timber Doors				
F	Purpose-made steel door (locally made) walnut or white color	4	sum		
	Doors to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.9				
	FITTINGS AND FIXTURES				
	General Fixtures/Furnishings.				
A	Include a prime cost sum for composite Steel or wooden Quran shelf (1800 x 600 x 2100mm)	0	nr		
	Quran (hard copy)				
B	Supply of Quran for reading within mosque premises	0	nr		
	Stairs/Balcony Balustrades				
C	Hollow steel handrail externally as per architect design	0	m		
	Fittings and Fixtures to summary				
	ELEMENT No.10				
	WALL FINISHES				
	Internal Works				
A	19mm plastering on Walls.	185	m^2		
B	Walls, width not exceeding 300mm wide	16	m		
C	Plaster of Paris wall screeding (internally)	103	m^2		
	Backing				
	12mm thick cement and sand (1:4) floated backing				
D	Walls. Width exceeding 300mm wide	47	m^2		
E	Walls, width not exceeding 300mm wide	8	m		
	Ceramic tilling				
	Approved glazed ceramic wall (25 x 40)				
F	Walls. Width exceeding 300mm wide	31	m^2		
G	Walls, width not exceeding 300mm wide	5	m		
	External Works				
H	19mm plastering on Walls.	165	m^2		
I	Ditto to isolated column	7	m^2		
J	Walls, width not exceeding 300mm wide	48	m		
K	25mm X 100mm wide protruded plaster	42	m		
L	Ditto 25mm x 150mm wide protruded plaster work on window cills	39	m		
M	75mm wide grooved plaster works	0	m		
N	38mm wide splayed grooved plaster works	0	m		
O	38mm wide splayed plaster work	0	m		
P	Plaster of Paris wall screeding (externally)	0	m^2		
	Painting / Clear Finishing				
	Premium Gauge emulsion paint .				
Q	Rendered on wall, width exceeding 300mm	69	m^2		
R	Walls, width not exceeding 300mm wide	11	m		
S	Texcote paint on wall exceeding 300mm(externally)	123	m^2		
T	Walls, width not exceeding 300mm wide	60	m		
	Wall Finishes to summary				

ref	abridged description	Qty	unit	rate	amount
	ELEMENT No.11				
	CEILINGS FINISHES				
	Carpentry				
	Sawn treated hardwood in ceilings				
A	Noggins 50mm x 50mm (internally)	157	m		
	Suspended Ceilings				
B	600 x 600mm ceiling tiles fixed in 600 x 600mm ceiling grids with main runners 3600mm and 600mm cross tees; hung 3 to 8 inches from the structural floor or noggins above as the case may be.	100	m^2		
	Painting / Clear Finishing				
	Premium Gauge emulsion paint.				
C	Rendered soffits, width exceeding 300mm	0	m^2		
	Ceiling Finishes to summary				
	ELEMENT No.12				
	FLOOR FINISHES				
	Sand cement screeds flooring				
A	38mm backing Floors.	100	m^2		
	Ceramic tilling				
B	Floors,	100	m^2		
	Tiles Skirtings				
C	Skirtings; 100mm high inluding cement mortar backing	37	m		
	Praying Carpets				
D	Purchase and Lay rows of 700gm mosque runners (1 x 25m or 1.2 x 25m) by Noble carpets or of equal quality (red or green colour)	0	rolls		
	Floor Finishes to summary				
	ELEMENT No.13				
	ELECTRICAL SERVICES				
A	63A 4-way TP&N MCB Distribution Board (A & B)	1	Nr		
B	100A TP & N ELCB (A & B)	1	Nr		
	General Lighting				
C	Water tight wall mounted.	6	Nr		
D	60w wall bracket fittings	0	Nr		
E	12w LED ceilings fittings	13	Nr		
F	6w LED Ceilings fittings	1	Nr		
G	1 x 18w fluorescent fittings	0	Nr		
	General LV Power				
	Ancillaries; low voltage power socket outlets switches				
J	13A single switched socket outlets	2	Nr		
K	13A double switched socket outlets	3	Nr		
L	Air condition wall switch with neon indicator	0	Nr		
M	Television outlets	0	Nr		
N	Telephone outlets	0	Nr		
O	45A Cooker control unit with neon indicator (3 x 6)	0	Nr		
P	Ceiling fan	5	Nr		
	Conduit and cable trunking				
P	20mm Diametre	220	m		
Q	25mm Diametre	50	m		
R	50mm diametre	20	m		

ref	abridged description	Qty	unit	old rate	amount
S	**HV/LV Cable and wiring**				
T	4 x 16mm^2 single core Pvc/Pvc copper cable	50	m		
U	3 x 6mm^2 single core Pvc/Pvc copper cable	0	m		
V	3 x 4mm^2 single core Pvc/Pvc copper cable	0	m		
W	3 x 2.5mm^2 single core Pvc/Pvc copper cable	140	m		
X	3 x 1.5mm^2 single core Pvc/Pvc copper cable	210	m		
Y	Co-axial cable	0	m		
	2- pairs television cables	0	m		
Z	**Accessories for Electrical services**				
ZA	5A 1 gang 2 way switch	1	Nr		
ZB	5A 2 gang 2 way switch	3	Nr		
ZC	5A 3 gang 2 way switch	1	Nr		
	Water heater wall switch with neon indicator	0	Nr		
ZF	**Earthing and bonding**				
	Earthing of the whole installation at switch boards	1	item		
ZG	**Sound System**				
	Allow a provisional sum of N350,000.00 for (800W digital stereo amplifier with bluetooth, 2 Ahuja wall column speakers - medium size, 1 microphone, and 1 38W Ahuja external speaker with IP 66 degree of protection)	1	sum		
ZH	**Builder's Work**				
	Allow a provisional sum of N120,000.00 for builder's work	1	sum		
	Electrical Services to summary				
	ELEMENT No.14				
	PLUMBING SERVICES				
A	**Trenches/Pipeways/ Pits for buried Engineering services**				
	Excavating trenches for services 500mm nominal size	21	m		
	Pipelines				
B	Straight PPR pipe to BS 425 in chases.				
C	25mm Diametre	21	m		
D	19mm Diametre	21	m		
	13mm Diametre	16	m		
E	**Extra over PPR pipes**				
F	Elbows	21	Nr		
G	Equal tees	10	Nr		
H	Reducing tees	3	Nr		
I	Union Connector	9	Nr		
J	Adaptor/plug	8	Nr		
K	Gate Valve	4	Nr		
L	Non-return valve	1	Nr		
M	Nipples	22	Nr		
	Socket	21	Nr		
N	**Straight UPVC pipes**				
O	150mm Diametre	7	m		
P	100mm Diametre	13	m		
	50mm Diametre	14	m		
Q	**Extra over PVC pipes.**				
R	UPVC elbow	17	Nr		
S	PVC tee	9	Nr		
T	Socket reducers	5	Nr		
U	Vent cowl	1	Nr		
V	Socket	1	Nr		

ref	abridged description	Qty	unit	old rate	amount
	Pipework ancillaries				
	Traps; 38mm diametre	4	Nr		
W	**Extra over PVC pipes; fittings,**				
X	UPVC elbow	12	Nr		
	PVC tee	9	Nr		
Y	**General pipeline Equipment**				
Z	White glazed Vitreous wash hand basin (twyford)	2	Nr		
ZA	White glazed viterous low level water closet (twyford)	1	Nr		
ZB	White glazed viterous squatting W.C	3	Nr		
ZD	Bath (with mixer)	0	Nr		
ZE	Toilet accessory set	0	Nr		
	Mirror size 600mm x 600mm	1	Nr		
ZF	**Manholes**				
	Manhole size 500mm x 500mm x 600mm deep internally.	0	Nr		
ZG	**INSPECTION CHAMBER**				
	Inspection chamber size 400mm x 400mm x 500mm deep internally.	5	Nr		
ZH	**SOAKAWAY PIT AND SEPTIC TANK**				
	SAP & ST size 2400mm x 1800mm x 1800mm deep internally	1	Nr		
ZI	**Builders work**				
ZJ	Allow a provisional sum of N120,000.00.	1	sum		
	Allow a provisional sum for Air conditioning piping	2	sum		
	Plumbing Services to summary				
	ELEMENT No.15				
	EXTERNAL WORKS				
	Landscaping				
A	Excavate over site av.100mm thick .	117	m^2		
B	150mm Laterite earth filling	18	m^3		
C	Preparing of 125mm thick concrete surface over levelled and compacted area	14	m^3		
D	75mm x 500mm kerb stones	143	m		
E	Provide PVC sheet underlay to protect against weeds	120	m^2		
F	Prepare and apply 1 prime coat and 2 finishing coats of good quality gloss paint on kerb stones (smooth side of kerbs)	43	m^2		
G	Allow a provisional sum of =N=200,000.00 for planting shade trees		sum		
	External Works carried to summary				

ref	abridged description	Qty	unit	old rate	amount
	SUMMARY				
A	**SUBSTRUCTURE**				
B	**FRAME STRUCTURE**				
C	**BLOCK WALLING**				
D	**ROOF STRUCTURE**				
E	**WINDOWS**				
F	**DOORS**				
G	**FITTINGS AND FIXTURES**				
H	**WALL FINISHES**				
I	**CEILING FINISHES**				
J	**FLOOR FINISHES**				
K	**ELECTRICAL SERVICES**				
L	**PLUMBING SERVICES**				
M	**EXTERNAL WORKS**				
	Bill to summary				

	QATAR CHARITY 80sqm MOSQUE				
Ref	abridged description	Qty	unit	rate	amount
	SUMMARY				
A	Preliminaries		sum		
B	Mosque, Ablution and Toilets		sum		
D	Contingency (2.5%)		sum		
	80m2 Mosque to summary				