

BoQ - Fish Pond and supporting facilities

*Refer all discrepancies to the relevant professional.

*All material not in conformity with design specification and description WILL NOT be accepted/approved.

*All critical work stages should not be carried out in the absence of the relevant professional..

*All construction work to be carried out by competent skilled workers

*All steel and concrete construction should be in accordance to BS 5950

S/N	ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (NGN)	AMOUNT (NGN)
1	Preliminaries					
1a	Mobilization/Demobilization	Initial Mobilization and final demobilization of equipment, labour and materials to and from site	sum	1		
1b	Site preparation	Clear shrubs, grasses, debris and move to a safe dumping site	sum	1		
Total of Section 1						
2	Pond layout					
2a	Preliminaries	Clear and level 35x18m (630m ³) site for the installation of 40nos of 8000 litre portable tarpaulin ponds				
2b	Setting-out of Drainage	Set out as shown in the drawings.	sum	1		
2c	Excavation	Excavate foundation trench to a minimum depth of 0.3m (plus 0.25m sideways to allow working space)	m ³	15		
2d	Blinding	Cast 75mm blinding under blockwork with concrete of ratio 1:3:6. slope towards south	m ³	2.75		
2e	Blockwork	Laying of sancrete blockwork (150x450x230mm) ; laid stretcher bond on cement and sand mortar (1:3) as shown in the drawing	m ²	16		
2f	Block wall filling	Fill block walls with weak concrete of ratio 1:3:6	sum	4		
2g	Back-filling	Back-fill and compact excavated material into the blockwork allowance space	m ³	6.66		
2h	Rendering	Internal, external and floor rendering of the drainage block walls using 1:4 mortar and gauge of 12mm	m ²	35		
2i	Soak-pit	Soak-pit to be constructed as shown in the drawings to absorbed waste water into the soil	sum	1		
Total of Section 2						
3	Plumbing works					
3a	150mm (6") PVC storm drain pipes	Installation of 150mm PVC storm drains (with all fittings and accessories) to collect waste water	m	8		
3b	50mm (2") PVC water supply pipes	Installation of 50mm PVC water reticulation pipe (with all fittings and accessories) to supply water into	m	260		
3c	50mm (") PVC water supply pipes	Installation of 50mm PVC water reticulation pipe (with all accessories) to drain waste water from ponds into the drainage system.	m	260		

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3d	PVC ponds	Supply and install 8000 Litres portable PVC ponds (Tarpaulin) as shown of the layout drawings. Installation includes reinforcement	pcs	40		
Total of Section 3						
4	Power house					
4a	Setting-out of power house	Set out generator house as shown in the drawings.	sum	1		
4b	Excavation	Excavate foundation trench to a minimum depth of 0.3m (plus 0.25m sideways to allow working space)	m3	15		
4c	Blinding	Cast 50mm blinding under blockwork with weak concrete of ratio 1:3:6. slope towards south	m3	2		
4d	Foundation Blockwork	Laying of sancrete blockwork (230x450mm) : laid stretcher bond on	m2	8		
4e	Back-filling	Back filling of trench with selected excavated soil, including spreading, watering and compaction around the block wall perimeter	m3	2.55		
4f	Laterite filling /Hardcore filling	Filling of foundation wall perimeter with laterite, including supply of material, spreading, watering, compacting in layers to achieve specific compaction density and placement of Hardcore materials not exceeding 300mm as per specifications and drawings (provisional quantity)	m3	3.83		
4g	Formwork/BRC mesh for Generator House	Sawn formwork to cover foundation wall perimeter and place 4mm thick BRC (A142) wire mesh to receive oversite concrete slab	sum	1		
4h	Oversite Concrete slab for Generator House	Cast plain M15 grade concrete (1:2:4); developing minimum 15N/mm2 working strength after 28 days of curing - with thickness of 150mm	m3	1.3		
4i	Block walls for Generator House	Laying of sancrete blockwork (230x450mm) ; laid stretcher bond on cement and sand mortar (1:3)	m2	25		
4j	Lintel for Generator House	Prepare Sawn formwork to cover sides of the block wall and place Y12 high yield reinforcement bar appropriately; Cast plain M15 grade concrete (1:2:4) for lintel;	sum	1		
Roof						
4k	2x4" hard wood (obeche) for Rafter	Supply, cut and nail full gauge 2x4" wood	pcs	10		
4l	2x3" hard wood (obeche) for Purlin	Supply, cut and nail full gauge 2x4" wood	pcs	10		
4m	1x12" hard wood for board	Supply, cut and nail full gauge 1x12" wood	pcs	5		

4n	Roof covering - 0.55mm thickness	Approved longspan corrugated aluminium otherwise approved roofing sheets fixed to purlins with appropriate accessories in accordance with manufacturers printed instructions and as directed by the engineer	m2	7.5		
	Doors					
4o	1,200x2,100mm Burgulary proof Door	Supply and fix Burgulary proof Door with accessories of superior quality - with approved frames, architraves and set of necessary iron as approved by the engineer	nos	1		
4p	Rendering					
4q	Rendering	Internal and external rendering of the block walls and floor using 1:4 mortar and gauge of 25mm	sum	1		
4r	Painting	Apply emulsion paint - 20 litre drum	drum	2		
4s	Visibility	Placement of 2metallic visibility: IOM and donor visibility. This should be printed on A3 sized metal sheet - Sample to be approved before placement	pcs	2		
	Total of Section 4					
5	Water Storage tank and platform					
5a	Water Storage tank and platform	Construction of platform and installation of 5000 litre tank as shown	sum	1		
	Total of Section 5					
6	Contingency					
6a	Contingency	Allow a provisional sum as contingency amount to cover for all unforeseeable costs	sum	1		
	Total of Section 6					
Summary						
						Preliminaries
						Pond layout
						Plumbing works
						Power house
Water Storage tank and platform						
						Contingency
TOTAL(NGN)						
TOTAL(USD)						