

**BILL OF QUANTITIES FOR REHABILITATION OF THE BAIDU CUSTOM OFFICE
BAIDU,SIERRA LEONE-LIBERIA BORDER,KAILAHUN DISTRICT**

Item No	Description	Qty	Unit	Rate (USD)	Amount (USD)
	PRELIMINARIES				
1	General				
	The contractor is to price the following preliminary items individually. Any item not priced shall be deemed to have been allowed for in the prices set out against other items in the Bill of Quantities.				
2	Contractual Requirements				
	The Cost of ALL CONTRACTUAL REQUIREMENTS shall be distributed in the RATES for the Project.				
3	Specified Requirements				
3.1	Signboards				
	Allow for providing a Project Signboard Metal Plate of size 1500mm long x 1200mm high supported/mounted on 2" diameter hollow pipes or 2" x 2" hollow metal box with brace.	Item	1		
3.2	Contractor's site establishment				
	Allow for the provision of temporary dwelling, office, stores, etc	Item	1		
3.3	Water for the works				
	Allow for providing water and the necessary storage of facility for the duration of the contract.	Item	1		
3.4	Site Clearance Clear site of all obstructions and existing damage structures	item	1		
4.00	Provision of site safety measures	Item	1		
	PRELIMINARIES CARRIED TO MAIN SUMMARY				

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KAILAHUN DISTRICT**

Item No	Description	Qty	Unit	Rate (USD)	Amount (USD)
1	<u>PAVEMENT and FENCING</u>				
A	<u>Filling and site preparation</u>				
	Fill and stabilise surface of compound to receive concrete pavement make up levels under pavement	193.6	M ³		
	<u>Concretework</u>				
B	mass concrete mix Class 15 blinding, 50mm thick (average)	96.8	M ³		
C	Reinforced in-situ concrete mix Class 25, in				
i	pavement 150mm thick including reinforcements at joints	290.4	M ³		
ii	Ramp for office and parking bay	41.4	m ³		
D	<u>SANDCRETE BLOCK FENCE</u>				
	Construct sandcrete block fence including columns, reinforcement, painting not exceeding 2.7m height, 130m length of 150mm width in 3m centre to centre between columns	130	m		
	Construction of sandcrete block fence including columns, reinforcement painting not exceeding 2.7m height, 40m ditto border boundard	40	m		
	Total Pavement and Fence wall Carried to Summary				
2	<u>ROOFING</u>				
A	Remove and replace damage Aluzinc roofing sheets, 28 gauge x 2.44m long, complete with all fixings.				
	Ditto : Main office Building	29	M ²		
	Ditto : External toilet	46	M ²		
B	Roof gutter/ drains with complete fittings and joints	100	LM		
	Total Roofing Carried to Summary				
3	<u>WOODWORK</u>				
A	Remove and replace damage roof and ceiling hardboard sheets with Sawn hardwood timber, treated with coloured approved wood preservative	1	item		
B	Door				
	Repace all wooden doors with standard section wooden flush and panel door including frame and all fittings.				
B.1	900mm x 2100mm(wooden panel)	14	Nr		
B.2	825mm x 2100mm(wooden flush)	11	Nr		
	Total Woodwork Carried to Summary				

Item No	Description	Qty	Unit	Rate (USD)	Amount (USD)
4	<u>ELECTRICAL INSTALLATION</u>				
	Design,Supply,install and connect all cables appropriately in accordance with the installation requirements and connect the inverter of a SOLAR system. This include replacement of all damage electrical fittings and lamp holders and switches at specific locations as directed by the supervising engineer.	1	item		
	Total Electrical Installation Carried to Summary				
5	<u>FLOOR,WALLS AND CEILING FINISHINGS</u>				
A	Repair narrow and wide cracks in existing plastering work with (1:3) mix around walls, windows and door frames 12.5mm thick	1	item	2,500.00	
B	Construction of one external security post with sancrete block at check point	1	item	5,000.00	
	Total Floor, Walls and Ceiling Finishings				
6	<u>METAL WORK</u>				
	DOOR				
	Standard section metal gate with double swing and frame, steel door hinges, overall door size with all fittings and paint				
A.1	4800mm x 2400mm	2	Nr		
A.2	Construction of two metal steel bars as check point liver arm at the entrance and exit point and painted	2	Nr		
B	WINDOWS				
	Replace all windows with standard section Aluminium sliding window complete with, grill,6mm thick glazing glass, overall size;				
B.1	1950mm x 1200mm	18	Nr		
B.2	1800mm x 1200mm	2	Nr		
B.3	975mm x 1200mm	6	Nr		
B.4	900mm x 1200mm	1	Nr		
B.5	750mm x 750mm	13	Nr		
B.6	975mm x 750mm	2	Nr		
	Total Metal Work Carried to Summary				

Item No	Description	Qty	Unit	Rate (USD)	Amount (USD)
7	<u>PAINING AND DECORATING</u>				
	Prepare and apply three coats quality emulsion paint to,				
A	Ditto: Main building externally rendered walls	166	M ²		
B	internally rendered walls	637	M ²		
	Ditto: Parking bay	231	M ²		
	Ditto: External toilet	215	M ²		
	Ditto: Generator shed	61.2	M ²		
C	Soffits of hardboard ceiling including coverstrips and conerstrips	335	M ²		
	Prepare and apply two coats oil based paint, to				
D	Steel glazed windows and doors including guard bars;	45	M ²		
E	external foundation level	93.16	M ²		
F	Fascia board, not exceeding 300mm girth				
	Ditto: Main building	98.54	M		
	Ditto: Parking bay	53.2	M		
	Ditto: Generator shed	18.8	M		
	Ditto: External toilet	19.42	M		
	Total Painting and Decorating Carried to Summary				

No.	<u>SUMMARY</u>	AMOUNT (USD)
1	RIGID PAVEMENT AND SANCRETE BLOCK FENCE	
2	ROOFING	
3	WOODWORK	
4	ELECTRICAL INSTALLATION	
5	FLOOR, WALL AND CEILING FINISHINGS	
6	METALWORK	
7	PAINTING AND DECORATING	
Total Office Carried to Main Summary		

Bills of Quantities for the drilling of One(1) Solar powered Borehole for the Beidu Custom Office, Sierra Leone-Liberia Border, Kailahun District					
Item No	Description	Unit	Quantity	Rate (USD)	Amount (USD)
1	Mobilisation				
1a	Mobilisation and transportation of all drilling units to site.	L/S			
1b	Demobilisation of drilling unit back to base.	L/S			
1c	Geo physical survey; Perform VES ground water survey and determine most potential and appropriate location for high yield bore hole. Including the preparation and submission of hydrogeological report.	L/S			
1d	Erecting and dismantling of the drilling rig unit at the site.	L/S			
2	Borehole Drilling				
2a	Drilling of standard borehole for installation of 180 mm PVC casing maximum depth of 100m	m (Overburden)	50		
	Drilling of standard borehole for installation of 180 mm PVC casing maximum depth of 100m	m (rock)	50		
2b	Lost temporary casing	m	20		
3	Borehole Completion				
3a	Supply and install 180 mm OD 160 mm ID heavy duty threaded PVC casing	m	75		
3b	Supply and install 180 mm OD 160 mm ID heavy duty threaded PVC slotted screen	m	25		
3c	Supply and insert filter gravel pack with uniform grading between 2mm to 4mm size .	m ³	5		
3d	Backfill borehole annulus	L/S	1		
3e	Supply cement and install 6m deep sanitary seal	L/S	1		
3f	Develop boreholes by jetting, surging and airlifting	L/S	1		
4	Pump Testing				
4a	Carry out step drawdown test (6 x 60 min. steps) on each hole	No	1		
4b	Carry out test pumping constant discharge including installation and removal of test pumping equipment (draw down and recovery measurement)	Hr	24		
	Sub Total carried Forward				

Item No	Description	Unit	Quantity	Rate (USD)	Amount (USD)
	Sub Total Brought Forward				0.00
5	Water quality analysis				
5a	carry out physical,chemical, and bacteriological analysis of the bore hole water. All data should be analyse and checked against WHO standards and levels to be permissible before further construction.	L/S	1		
6	Disinfect borehole				
6a	Clean and Disinfect borehole with 50mg/ltr HTH chloride solution or as directed by supervising engineer.	L/S	1		
7	Idle time				
7a	Idle time caused by the Employer or any of his representatives	Hr	1		
	<u>WATER SUPPLY , TOWER, PUMP AND TANK</u>				
8	Construct double H type 3m height concrete with 1:2:4 mix, form work and reinforcement tower to receive or accommodate 10000 litre water storage tank	Nr	1		
9	Provide and install 3 - 5 horse power (HP) Submersible Solar power high water Pump with built - in storage battery and remote control as may be determined by the Engineer complete with all its plumbing installations and fixing accessories.	Nr	1		
10	Allow for builder's work in connection with Excavations and earth works, Concrete works and plumbing and construction of WASH facility.	LS	1		
11	Provide 10,000 litre white transparent water tank and allow for builder's work in plumbing installations, connections and fittings.	2	Nr		
	Total Solar Powered Bore Hole and Water Supply Carried to Main Summary				

MAIN SUMMARY OF BEIDU CUSTOM OFFICE, KAILAHUN DISTRICT.

NO	COMPONENT DESCRIPTION	AMOUNT (USD)
1	PRELIMINARIES	
2	OFFICE BUILDING	
3	SOLAR POWERED BORE HOLE AND WATER SUPPLY	
	SUBTOTAL	
	CONTINGENCIES	
	Total for Rehabilitation of Baidu Customs Office Carried to Sample form of Bid	