

**Project no:** W/RFQ/OSHTC-03/2023-2024  
**Project:** Construction of Engineering Store Warehouse  
**Client:** Oshakati Town Council

**BOQ**

Bill No	Description	Warehouse
1	<b>PRELIMINARIES</b>	-
	<b>BUILDER'S WORK</b>	
2	EARTHWORKS	-
3	CONCRETE, FORMWORK AND REINFORCEMENT	-
4	MASONRY	-
5	WATERPROOFING	-
6	ROOF COVERINGS, ETC	-
7	IRONMONGERY	-
8	STRUCTURAL STEELWORK	-
9	METALWORK	-
10	PLASTERING	-
11	GLAZING	-
12	PAINTING	-
13	<b>SPECIALIST INSTALLATIONS, ETC.</b>	-
<b>Sub-Total of all sections</b>		-
Add 10% contingencies to be spent with authorization of engineer		-
<b>Sub-Total</b>		-
Add 15% VAT		-
<b>TOTAL CARRIED TO FORM OF TENDER (PAGE 7-2)</b>		-

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1. PRELIMINARIES

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 1</u></b>				
		<b><u>PRELIMINARIES</u></b>				
		<b><u>PART I: GENERAL CONDITIONS</u></b>				
		<b><u>4. THE CONTRACTOR</u></b>				
	1.1	Clause 4.1 Contractor's General Obligations	Item	1		
	1.2	Clause 4.17 Contractor's Equipment	Item	1		
	1.3	Clause 4.19 Electricity, Water and Gas	Item	1		
		<b><u>6. STAFF AND LABOUR</u></b>				
	1.4	Clause 6.9 Contractor's Personnel	Item	1		
		<b><u>17. RISK AND RESPONSIBILITY</u></b>				
	1.5	Clause 17.1 Indemnities	Item	1		Rate Only
		<b><u>PART II: PARTICULAR CONDITIONS OF CONTRACT</u></b>				
		<b><u>PROJECT SPECIFICATIONS</u></b>				
	1.6	<b><u>Contractor's Camp</u></b>  Provision of construction yard and camp with security fence and restoring of area to original condition upon completion of the work	Item	1		
		<b><u>Notice board</u></b>				
	1.7	The Contractor shall provide, maintain and remove on completion the main notice board complying with the requirements of the Engineer	Item	1		Rate Only
		<b><u>Temporary Latrines</u></b>				
	1.8	Toilets must be provided by the Contractor	Item	1		
		<b><u>Telephones</u></b>				
	1.9	Telephones and facsimile facilities must be provided by the Contractor	Item	1		
		<b><u>Site security</u></b>				
	1.1	The Contractor shall provide all necessary security for the site	Item	1		
Carried to Summary						

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2. BUILDING WORK

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 2: EARTHWORKS</u></b>				
		<b>EXCAVATION, FILLING, ETC. OTHER THAN BULK</b>				
		<i>Excavation in earth not exceeding 2m deep</i>				
	1	Trenches	m3	32		Rate Only
	2	Holes	m3	15		
	3	Sewer trenches	m3			
	4	Water trenches	m3			
		<b><i>Earth filling obtained from the excavations and/or prescribed stock piles on site</i></b>				
	5	Backfilling to trenches, holes, etc.	m3	54		
	6	Under floors, paving, etc. with materials well watered and compacted to 95% Mod AASHTO density (Minimum CBR of 15 at 95% Mod AASHTO density)	m3	15		
		<b><i>Earth filling supplied by the contractor and carted onto site</i></b>				
	7	Backfilling to trenches, holes, etc.	m3	35		
		<b><i>Coarse river sand filling supplied by the Contractor</i></b>				
	8	Under solid floors to receive damp-proof-membrane (elsewhere measured)	m3	12		
		<b><i>Soilcrete</i></b>				
	9	Backfilling to trenches, holes, etc. with soilcrete comprising 5% Ordinary Portland Cement and 95% approved material arising from the excavations	m3	28		
		<b><i>Extra over all excavations for carting away</i></b>				
	10	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	15		
		<b><i>Compaction</i></b>				
	11	Compaction of ground surfaces inside trenches, including scarifying to a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	215		
		<b><i>Soil poisoning</i></b>				
	12	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	176		
	13	To bottoms and sides of trenches, etc.	m2	42		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 3: CONCRETE, FORMWORK AND REINFORCEMENT</u></b>				
		<b><u>CONCRETE</u></b>				
	1	Allow for the manufacture of a set of three concrete strength test cubes as described, size 150mm x 150mm x 150mm, transporting to and handing over to an approved testing authority and paying all costs and charges related thereto	Sets	10		
		<b>REINFORCED/UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b>				
		<b>Concrete class 25MPa/19mm in</b>				
	2	Bases	m3	4.5		
	3	Strip footings	m3	10.2		
		<b>REINFORCED CONCRETE</b>				
		<b>Concrete class 25MPa/19mm in</b>				
	4	Stub columns in foundations	m3	2		
	5	Surface beds	m3	24		
	6	Beam over roller shutter door opening	m3	1.2		
		<b>CONCRETE SUNDRIES</b>				
		<b><i>Finishing top surfaces of concrete smooth with a power float</i></b>				
	7	Surface beds, slabs, ramps, etc. to falls	m2	157		
		<b><u>FORMWORK</u></b>				
		<b>ROUGH FORMWORK (DEGREE OF ACCURACY III)</b>				
		<b><i>Rough formwork to sides of:</i></b>				
	8	Columns in foundations	m2	12		
		Beams	m2	8		
		<b>MOVEMENT JOINTS, ETC</b>				
		<b><i>Expansion joints with 8mm Butumen impregnated soft board or similar and with a polysulphide sealant</i></b>				
	9	Expansion joints with 8mm Butumen impregnated soft board or similar and with a polysulphide sealant	m	62		
	10	Expansion joints with 8mm Butumen impregnated soft board or similar 250mm wide between concrete surfaces in foundations	m	2		
	11	Expansion joints with 8mm Butumen impregnated soft board or similar 350mm wide and with a polysulphide sealant between brickwork in superstructure	m	5		
		<b><i>Saw-cut joints</i></b>				
	12	4mm x 20mm Saw-cut joints in top of concrete filled with polysulphide sealant	m	1		
		<b>REINFORCEMENT</b>				
		<b><i>High tensile steel reinforcement to structural concrete work</i></b>				
	13	10mm Diameter bars	kg	201		
	14	12mm Diameter bars	kg	330		
	15	16mm Diameter bars	kg	250		
	16	20mm Diameter bars	kg	100		
		Mesh ref 395	kg	621		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 4: MASONRY</u></b>				
		<b>BRICKWORK IN FOUNDATIONS</b>				
		<i>Brickwork in class 7MPa cement bricks in class II cement mortar</i>				
	1	Half brick walls	m2	2		
	2	One brick walls	m2	62		
	3	270mm Cavity walls	m2	1		
		<b>BRICKWORK IN SUPERSTRUCTURE</b>				
		<i>Brickwork in class 7 MPa cement bricks in class II cement mortar</i>				
	4	Half brick walls	m2	0.5		
	5	One brick walls	m2	185		
	6	270mm Cavity walls	m2			Rate Only
	7	Half brick wall in shower kerb 150mm high	m			Rate Only
		<b>BRICKWORK SUNDRIES</b>				
		<i>Brickwork reinforcement</i>				
	8	150mm Wide reinforcement built in horizontally	m	994		
	9	75mm Wide reinforcement built in horizontally	m			
	10	150mm Wide reinforcement built in horizontally in foundations	m			
		<i>Approved prestressed fabricated lintols</i>				
	11	Set of two 110mm x 75mm lintels in lengths not exceeding 3m	m	28		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b>BILL NO 5: WATERPROOFING</b>				
		<b>DAMPPROOFING OF WALLS AND FLOORS</b>				
		<i>One layer of 375 micron embossed damp proof course</i>				
	1	In walls	m2	60		
		<i>One layer of 250 micron waterproof sheeting sealed at laps with pressure sensitive</i>				
	2	Under floors, including dressing up against walls, etc.	m2	178		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 6: ROOF COVERINGS, ETC</u></b>				
		<b>PROFILED METAL SHEETING AND ACCESSORIES</b>				
		<i>0.5mm IBR fullhardor similar and approved steel profiled sheeting with standard galvanized finish on one side in single lengths fixed to steel purlins (elsewhere at 1 500mm centres) and accessories with standard galvanized finish on one side, all fixed in accordance with the manufacturer's instructions</i>				
	1	Roof covering with pitch not exceeding 25 degrees	m2	187		
	2	Roof covering for shading in front of warehouses	m2			
	3	Standard roll-top ridge capping complete with flute closers both sides	m	20		
	4	Standard narrow flute polyclosers	m	42		
		Bull nose To be bend with roof sheeting	m	60		
		<b>Cladding</b>				
	5	Side cladding to steel trusses	m2	105		
		<b>Roof Sundries</b>				
	6	Standard head wall flashing and counter flashing	m	1		Rate Only
	7	Standard side wall flashing and counter flashing	m	1		Rate Only
		<b>ROOF VENTILATOR</b>				
	8	M393 Whirleybird Ventilator	No	1		
		<b>ROOF INSULATION</b>				
		<i>"Sisalation 410" or similar and approved housing grade glass fibre reinforced aluminium foil bonded insulation including steel wire</i>				
	9	Insulation with 150mm overlaps taped with aluminium foil tape laid taut over purlins (at approximately 1 500mm centres)	m2	250		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 7: IRONMONGERY</u></b>				
		<b>LOCKSETS, ETC.</b>				
	1	"Union L-2141-78/2x6/CB5240-13" mortice dead lockset	No	1		
	2	"Union 2295-76PL/CB692-24CH" mortice upright lockset	No			
		<b>SUNDRIES</b>				
	3	"Union AL8722AS" hat and coat hook	No	1		
	4	"Solid Art 255" or other approved floor mounted door stop plugged to floor	No	2		
Carried forward to summary						



Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 8: STRUCTURAL STEELWORK</u></b>				
		<b>STEEL COLUMNS, RAFTERS AND BEAMS</b>				
		<i>Welded columns, beams and joists in single lengths with flat section base bolted to concrete base</i>				
	1	200 IPE x 22.8kg/m columns & rafters	kg	1452		
		<b>Bolts, baseplates, connection plates, etc.</b>				
	4	220mm x 300mm x 10mm Thick base plate four times holed for four 20mm diameter bolts (elsewhere measured)	No	8		
	5	450mm x 150mm x 10mm Thick base plate eight times holed for four 14mm diameter bolts (elsewhere measured) for the haunch and Apex	No	12		
	6	M20mm bolts including nuts and washers	No			
		<b>PURLINS, GIRTS, BRACING, ETC.</b>				
		<i>Purlins and girts bolted to steel</i>				
	7	150mm x 50mm x 20mm x 2,5mm x 5.33kg/m Lipped channel purlins	kg	728		
	8	50mm x 50mm x 3mm Horizontal angle bracing	kg	525.00		
	9	75 x 50mm Purlins including all necessary cleats fixed to trusses for side cladding	kg	150.00		
		<i>Sundries of purlins, etc</i>				
	10	75mm x 50mm x 6mm Thick mild steel purlin fixing angle twice holed and 150mm long overall, welded to top chord of truss (elsewhere measured)	No	8		
		<i>Bolts to purlins, etc.</i>				
	11	M12 Bolts including nuts and washers	No	150		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 9 : METALWORK</u></b>				
		<b>PRESSED STEEL DOOR FRAMES</b>				
		<i>1mm Double rebated frames suitable for one brick walls</i>				
	1	Frame to suit half brick wall and door size 762mm x 2 032mm high	No			Rate Only
	2	Frame to suit half brick wall and door size 813mm x 2 032mm high	No			Rate Only
	3	Frame to suit one brick wall and door size 1511mm x 2 032mm high	No	1		
		<b>STEEL WINDOWS,DOORS, ETC.</b>				
		<i>"Wispeco" or similar and approved standard residential section steel windows with "Type B33" burglar proofing to all opening sections</i>				
	4	Window type E4H size 1511mm x 654mm high	No	3		
	5	Window type D4H size 1 511mm x 1 245mm high	No	4		
		<b>WELDED SCREENS, GATES, ETC</b>				
	6	Purpose made security gate size 1511mm x 2 064mm high overall, formed of 50mm x 38mm x 2,5mm square hollow section perimeter framing with two 80mm weld on hinges hung to 75mm x 38mm x 2,5mm rectangular hollow section frame rawl bolted to wall, and with 50mm x 38mm x 2,5mm middle rail, with fifteen 16mm diameter rods diagonally fixed intermediate rails fitted with one Solid narrow style cylinder lock code 370 and fitted with double cylinder lock code 810 fitted into vertical style with natural annodised aluminium escutcheon with and including one floor mounted door stop code AL8730AS	No	1		
		<b>ROLLER SHUTTERS DOORS</b>				
		<i>"Coroma" industrial type roller shutter with G275 galvanised mild steel finish, set up and bolted in position complete, all in strict accordance with the manufacturer's instructions</i>				
	7	Door to suit opening size 3200mm x 3 500mm high	No	2		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 10 : PLASTERING</u></b>				
		<b>INTERNAL PLASTER</b>				
		<i>Cement plaster on brickwork to</i>				
	1	Walls	m2	165		
	2	Narrow widths	m2	25		
		<b>EXTERNAL PLASTER</b>				
		<i>Cement plaster on brickwork to</i>				
	3	Walls	m2	165		
	4	Walls in foundations	m2	10		
	5	Narrow widths	m2	5		
		<b>CORNER PROTECTORS, ETC</b>				
	6	3mm x 50mm Mild steel dividing strip at threshold	m	20		
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 11 : GLAZING</u></b>				
		<b>GLAZING TO STEEL WITH PUTTY</b>				
		<i>4mm Clear float glass</i>				
	1	Panes not exceeding 0,1m2	m2	12		
		<i>4mm Stippolyte glass</i>				
	2	Panes not exceeding 0,1m2	m2	4		
		<b>TOPS, SHELVES, DOORS, MIRRORS, ETC</b>				
		<i>6mm Silvered float glass copper backed mirror with 10mm bevelled and polished edges holed for and fixed with chromium-plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete and sealed with approved silicone sealant</i>				
	3	Mirror 450mm wide x 450mm high	No			Rate Only
Carried forward to summary						

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b><u>BILL NO 12 : PAINTING</u></b>				
		<b>ON PLASTER</b>				
		<i>Prepare and apply one coat alkaline resistant wall primer and two coats acrylic based PVA emulsion paint on</i>				
	1	Internal walls	m2	165		
	2	External walls	m2	165		
	3	External walls in foundations	m2	35		
		<b>ON PRECAST CONCRETE</b>				
		<i>Painting with an approved road marking paint applied at a rate of at least 1 litre per m2</i>				
	4	100mm White line on concrete pavers	m	5		
		<b>ON METAL</b>				
		<i>Prepare and apply one coat zinc-chromate primer and two coats matt enamel paint on</i>				
	5	Door frames	m2	5		
	6	On steel gates, etc	m2	8		
	7	On cladding and roof sheet to match existng building Colour	m2	250		
	8	Members of exposed roof trusses (both sides measured over full flat area)	m2	65		
	9	Windows	m2	6		
	10	Steel columns, beams, etc	m2	35		
		<b>ON WOOD</b>				
		<i>Prepare and apply one coat wood primer and two coats matt enamel paint on</i>				
	11	Doors	m2	6		
		<b>ON SURFACEBED OR FLOOR</b>				
		<i>Resincoat HB Epoxy Warehouse Floor Paint on the Floor</i>				
	12	On Floor	m2	175		
Carried forward to summary						

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4. SPECIALIST INSTALLATION, ETC.

Page No	Item no	Description	Unit	Qty	Rate	Amount
		<b>BILL 13</b>				
		<b><u>SPECIALIST INSTALLATIONS, ETC.</u></b>				
		<b><i>Electrical Installation</i></b>				
	1	Allow Provisional Sum for the electrical installation complete	P. Sum	1	50,000.00	50,000.00
	2	ADD for profit if required	%	50,000.00		
	3	Allow for attendance if required	%	50,000.00		
		<b><i>Lightning Protection Installation</i></b>				
	4	Allow the Provisional Sum for the lightning protection installation complete	Item	1	2,000.00	2,000.00
	5	ADD for profit if required	%	2,000.00		
	6	Allow for attendance if required	%	2,000.00		
		<b><u>PROVISIONAL AMOUNTS</u></b>				
		<b><i>Joinery Work</i></b>				
	7	Allow the Provisional Amount for joinery work (work station with Chairs	Item	1	10,000.00	10,000.00
Carried forward to summary						