

CLIENT:

**INTERNATIONAL ORGANIZATION FOR MIGRATION
(IOM)**

PROGRAM:

OFFICE FACILITIES CONSTRUCTION

PROJECT:

**CUTURAL ORIENTATION CLASSES WITH A
CHILD MINDER'S ROOM**

IN

DADAAB REFUGEE CAMP- GARISSA COUNTY

CONTENT:

WORKS BILL OF QUANTITIES & SPECIFICATIONS

**Prepared in
Oct-22**

#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
	<u>ELEMENT NO.1-SUB-STRUCTURES WORKS-(PROVISIONAL)</u>				
	<u>All works in this section are measured upto and including the ground floor slab.</u>				
	<u>Mobilization/Demobilization:</u>				
A	Mobilize the manpower and materials to the site and arrange/set up for the storage, office and accomodation ready to take up the site and work commencement.Demobilize from site after works completion.	Item	1		-
	<u>Excavation</u>				
B	Clear the area of construction from bushes,and grab the trees roots and any other waste from the site.	SM	204		-
C	Excavate in sand soil/any other soil for foundations not exceeding 1.5M deep starting from stripped level for strip foundations.	CM	82		-
D	Allow for upholding sides of excavations.	Item	1		-
E	Allow for keeping all excavations free from general water.	Item	1		-
F	Backfill selected excavated material around foundations.	CM	43		-
G	Cart away surplus excavated material to own spoil heaps.	CM	39		-
	<u>Blinding</u>				
H	Level and compact bottoms of excavated trenches as directed on site.	SM	67		-
	<u>Class 15/20 strength,concrete mix 1:3:6 in:-</u>				
J	Strip foundation blinding	SM	67		-
	<u>Class 20/20 strength,vibrated concrete mix 1:2:4 in:-</u>				
K	600X250mm Thick strip footing and steel column cocreting	CM	17		-
L	150mm Thick floor slab.	CM	31		-
M	Ditto but for the entry steps	CM	1		-
N	BRC fabric mesh No. A142 laid on floor slab.	SM	204		-
	<u>Surface bed.</u>				
O	300mm Thick hardcore surface bed hand packed and well rammed to make make floor levels	SM	182		-
P	50mm Thick stone dust blinding consolidated to surface of hardcore.	SM	182		-
Q	Treat surface of hardcore with premise 200 SC or any other equal and approved anti-termite chemical solution to be applied specialized firm with a guarantee period of 10 years.	SM	182		-

#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
	CARRIED TO COLLECTION				-
	ELEMENT NO.1-CONTINUED				
	Masonry walls				
	Quarry stones in good size/shape walling bedded and jointed in cement sand (1:3) mortar in:-				
A	200mm Thick quarry stone walls to foundations	SM	106		-
	Damp-proofing				
B	500 Gauge polythene sheet damp proofing membrane laid with minimum 150mm side laps.	SM	204		-
C	200mm wide Hessian based bituminous felt damp proofing course laid and bedded on cement sand (1:4)	LM	86		-
	Form work				
D	Sawn formwork to edge of concrete slab 75 - 150mm high.	LM	102		-
E	Sawn formwork to edge of concrete STRIP foundation 300mm high.	LM	224		-
	Plinths				
F	12mm Thick cement sand (1:4) rendering to plinths.	SM	32		-
G	Apply two coats of black bituminous paint to rendered plinth.	SM	32		-
	CARRIED TO COLLECTION				-
	COLLECTION				
	Brought forward from page 1				-
	Brought forward from page 2				-
	CARRIED TO COLLECTION				-

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#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
	<u>ELEMENT NO.3.ROOF WORK</u>				
	<u>Roof from RHS steel tube trussed rafters steel tube RHS purlins anchored on the RC beams with a support of bolt cage encased inside the beams.Iron sheets are screwed on Purlins with screws with rubber washers,purlins are welded firmly on the rafters.All as measured on:-</u>				
A	28 gauge GI sheet laid with a minimum of 200mm on slope and 100mm minimum on end lap.Iron sheets are nailed on the purlins with the help of steel nails(Measured net-Allow for the overlap)	M2	173		0.00
B	Polycarbonate clear sheet cover fixed at the entry with the help of screws on the RHS Steel tube rafters and purlins	M2	12		0.00
C	Roof trussed steel Rafter size 50x50x4mm anchored on the RC beam as shown and detailed on the roof designs.	LM	240		0.00
D	RHS steel tube purlin size 50x75x4mm welded on the roof trusses	LM	202		0.00
E	Straight rafter on the entry porch RHS steel tube size 50x100x4mm well supported on the beam and the steel column	LM	20		0.00
F	Apply one antirust paint and two finishing coats of gloss paint to the surfaces of the steel works	Sum	1		0.00
G	Ceiling work with 10mm ceiling boards on 600x600mm spacing of 50x50x4mm RHS steel tube blandering support welded on trusses at equal spacing on the ceiling space supported by the steel wall pass at the wall on the wall ends.	SM	182		0.00
H	250x240x3mm box Steel gutter well supported and placed with a a slope and a down pipe placed at the end to transfer water to the ground well supported with the help of the steel wall clips.	LM	24		0.00
J	RHS steel column size 100x200x6mm with U bracket at the top to take the RC beam reinforcement and with wall passes at the bottom where it is concreted with 200mm concrete on all sides and minimum depth of concrete to be 600mm	LM	32		0.00
K	Roof trusses anchoring bolt cage to drawing detail each with 4No. 12mm bolts with nuts .Bolts welded on 12mm base plate and the cage encased in concrete.	NO	24		0.00
L	Plastic Water down pipe to the gutter 3 inch dia.with a bottom shoe supported on the wall with steel wall clips	LM	12		0.00
M	Provide a provisional amount for the verandah guard rails	SUM	1		0.00

#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
	CARRIED TO COLLECTION				-
	ELEMENT NO.4-WINDOWS AND DOORS				
	Aluminium Window Casement: Supply and fix aluminium framed window with approved powder coated in "IOM colour" aluminium framing in sections of 175x50mm fixed to wall around openings, including glazing with 10mm thick clear laminate glass; secured to the framing using approved glazing strips and glazing beadings including waterproofing all joints using approved silicon sealing compounds; all to Architect window schedule schedules' details and approval. All as measured on:-				
A	Complete Window size 1200 x 1205mm high overall opening as per the window schedules	No	15		0
B	Complete Window size 1200 x 1200mm high overall opening as per the window schedules	No	9		0
	<u>10mm thick clear sheet glass,glazing to aluminium casement windows</u>				
C	Panes: not exceeding 1.0SM	SM	27		0
D	Precast Window cill as per the Architect detail	LM	30		0
	Timber Door: <u>50mm thick hardwood panelled door with and including 8mm thick georgian wire polishes glass panel; matching 12.5mm thick hardwood lipping on all sides to BS 459, on 150 x 45mm mahogany timber frames (m.s); to Architects approval</u>				
E	Single leaf mahongany panel door(900x2100mm,with clear varnish) as per thedoor schedules	NO	2		0
F	Double leaf Mahongany panel door(1200x2100mm,with clear varnish) as per thedoor schedules	NO	2		0
G	Extra over doors for fanlight in 6 mm thick clear glass fixed with and including hardwood timber beadings; 1400 x 250 mm high	NO	4		0
	<u>Wrot prime grade mahongany timber in:-</u>				
H	150 x 50 mm door frames	LM	21		0
J	50 x 25 mm splayed architrave	LM	21		0
K	12mm diameter hardwood quadrant	LM	21		0
	Steel Grill Opening.				
L	Steel Grilled door overal size 1500x2100MM(Including painting)				

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#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
	CARRIED TO COLLECTION				-
	ELEMENT NO.5-FINISHES:				
	Wall finishes:				
	Gauge cement and sand (1:3) plaster as described in:-				
A	vertical surfaces of the beams	SM	96		-
B	12mm Thick steel float finish to vertical wall surfaces. internal	SM	222		-
C	Wall pointing(Key) to the external wall of the building.	SM	234		-
	Decorations:				
D	Apply one undercoat and two finishing coats of matt emulsion paint to the surfaces of walls to clients colour specifications	SM	318		-
E	Ditto but to the ceiling boards	SM	182		-
	Floor Finishes				
F	50mm Thick cement sand (1:4) screed wood floated to receive tiles floor finish.	SM	182		-
G	Non skid 6-8mm ceramic floor tiles placed with cement paste	SM	182		-
H	Allow a sum of money to buy and fix fluorescent tube LED lights as per the ceiling light layout(9No.) including wiring and any other accessories for connections	SUM	1		-
	COLLECTION:				-
	SUMMARY COLLECTION:				
1	Sub-Structure Works	Job	1		-
2	Super-Structure Works	Job	1		-
3	Roof Works	Job	1		-
4	Doors and Windows	Job	1		-
5	Finishes	Job	1		-
6	Provisional amount for Solar installation to specialist design	SUM	1		-

#	Descriptions	Units	Qty	Rate(Ksh)	Total(Kshs)
7	Provisional Amount for plumbing works	SuM	1		-
					-
8	Provisional Contingency amount	sum	1		-
	Grand Total				-

TENDERED AMOUNT:

NAME OF THE COMPANY:

COMPANY REPRESENTATIVE:

SIGNATURE AND COMPANY STUMP:

TIME TO COMPLETE THE WORK:(PROVIDE A GANTT CHART)