

CONSTRUCTION OF 10 -Bed Stabilization Centre at Mongo Town				
Item No	Description	Qty	Unit	Rate
1	<u>PRELIMINARIES</u>			
1.1	<u>General</u> The contractor is to price the 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 (BOQ)			
1.2	<u>Site Installation - Mobilisation activities</u> Contractors Establishment - Allow for providing a "Site Installation Plan"(using the designated site plan), identifying site facilities. Provision of all plant, equipment, insurances and labour including transporting to and from the site and establishing and dismantling	1.00	item	
1.3	<u>Specific Requirements</u> a Allow for providing water and the necessary storage facility for the duration of the project (Water for Works)	3.00	Months	
	b The contractor on taking possession of the site must allow for watching, lighting and protecting the works, the site and the surrounding property by day and night including Sundays and holidays (Site Protection)	3.00	Months	
Preliminaries Total Carried To SUMMARY				
Item No	Description	Qty	Unit	Rate
2	<u>FOUNDATION WORKS</u>			
2.1	<u>CLEARING, LAYOUT & STAKING</u>			
a	Clearing the site from bushes, grasses, plants, rocks, boulders, etc.. for proper layout & staking.	1	lot	
b	Layout the building by using batter boards all around the building line with 1.50meters setback clearance for excavation.	1	lot	
2.2	<u>EXCAVATION</u>			
a	Ground excavation for all isolated footing foundation & septic tank.	10.00	m ³	
b	All excavation works shall include the removal of all earth soil, stones, rocks, boulders, embedded roots, etc... that may come along the way during excavation.	3.30	m ³	
Foundation WorksTotal Carried To SUMMARY				
Item No	Description	Qty	Unit	Rate
3	<u>CONCRETE WORKS</u>			
3.1	<u>Plain insitu concrete in normal mix 1:3:6-19mm aggregates in:</u>			
a	Blinding for Wall Trenches	5.41	m ³	
b	Blinding for Column Bases	4.05	m ³	
3.2	<u>Reinforced insitu concrete in normal mix 1:2:4-12mm aggregates including formwork and Reinforcements in:</u>			
a	Foundation Columns (72Nr)	1.82	m ³	
b	Columns (72Nr)	8.48	m ³	
c	Column Bases/Footing (72Nr)	1.83	m ³	
f	Wall Footing	32.47	m ³	

g	Fins, Steps and External Rendering	4.71	m ³	
h	Foundation Floor Beams	6.30	m ³	
i	Beams	12.58	m ³	
j	Lintel	4.08	m ³	
3.3	<u>Reinforcement: Steel rod reinforcement bend, straight or hooked in:</u>			
	<u>12 mm diameter rods:</u>			
a	Foundation Columns Matt (72Nr)	1.06	Tns	
b	Foundation Columns (72Nr)	0.88	Tns	
c	Columns (72Nr)	1.31	Tns	
d	Fins, Steps and External Rendering	0.23	Tns	
e	Beams & Lintel	0.78	Tns	
g	Foundation Floor Beams	0.96	Tns	
3.4	<u>Reinforcement: Steel rod reinforcement bend, straight or hooked:</u>			
	<u>16mm diameter rods in:</u>			
a	Columns (72Nr)	1.25	Tns	
b	Foundation Columns (72Nr)	1.04	Tns	
c	Fins, Steps and External Rendering	0.04	Tns	
d	Beams & Lintel	0.80	Tns	
f	Foundation Floor Beams	0.57	Tns	
	<u>8mm diameter rods in:</u>			
g	Columns	0.60	Tns	
i	Beams	0.60	Tns	
j	Foundation Floor Beams	0.46	Tns	
3.5	<u>FORMS & SCAFFOLDINGS:</u> Straightly sawn form works to provide rough-finish using 3/4" thk. Plywood for concrete slabs and 1"x12"x14ft. Boards for beams & columns			
a	Straightly sawn formwork using 3/4" thick plywood to provide rough finish for concrete slabs	309.14	m ²	
b	1" x 12" x 14 ft boards for formwork to beams and columns	315.315	m ²	
c	Formwork to vertical sides of columns, lintels and beams	295.895	m ²	
d	Formwork to external rendering and fins	11.15	m ²	
e	Season-dried 2" x 2" x 14 ft boards for supports	309.50	pcs	
f	Season-dried 2" x 3" x 14 ft boards for scaffolds, braces and ladders	309.50	pcs	
Concrete Works Total Carried To SUMMARY				
Item No	Description	Qty	Unit	Rate
4	<u>MASONRY WORKS</u>			
	Specifications: Mortar Mix (1:5) Blocks: Precast sandcrete blocks 8" thk. (Exterior & Interior Walls) Blocks 6"thk. (Accent Wall) All blocks must be bedded, jointed and filled with concrete mortar All block wall surfaces that are not to be tiled shall be plastered.			
4.1	<u>BLOCK LAYING</u>			
a	Laying of 8"thk.Sandcrete Blocks on Foundation wall partitions wall properly plumbed & leveled.	36.08	m ²	

b	Laying of 6"thk.Sandcrete Blocks on all exterior & interior wall partitions including parapet wall properly plumbed & leveled.	350.745	m ²	
4.2	PLASTERING 12mm thick cement and sand plastering in 1:4 mix on:			
a	All masonry walls, internally and external shall be plastered excluding the mad blocks.	289.74	m ²	
b	Exposed beams, overhead ceiling & columns shall be plastered	624.46	m ²	
c	Foundation	36.08	m ²	

**Masonry Works Total
Carried To SUMMARY**

Item No	Description	Qty	Unit	Rate
5	ROOFING AND CEILING			
5.1	ROOF TRUSSES			
	in:			
a	2"x4" Rafters	649.18	m	
b	2"x3" purlins	710.83	m	
c	2"x4" braces/struts	324.155	m	
d	2"x4" king posts	66.5	m	
e	2" x 6" ridge board	39.49	m	
f	1' x 9" fascia board	78.98	m	
g	2" x 6" Wall plate	78.98	m	

5.2	ROOF COVERING			
	Provide and place roof covering coloured Alloy-Zinc or Alluminium roofing sheets long span or cut to required sizes, and use approved roofing nails and felt (including galvanized iron ridge cap & PVC gutters) and PVC down pipes as waste water pipes from roof catchment area.			
a		385.485	m ²	
b	4" PVC Gutter	78.98	Nr.	
c	4" Gutter brackets	132.5	Nr.	
d	4" Stop-end gutter	2	Nr.	
f	4" Gutter joint	19	Nr.	
h	4" PVC pipe	9.41	Nr.	
	CEILING COVERING			
	Provide and place roof covering coloured hardboard cover long span or cut to required sizes, and use approved ceiling nails and felt (including pvc corner strips, joints) and wooden corner strip along edges and catchment area.			
	2"x4" Rafters	385.485	m ²	
	2"x3" purlins	649.18	m	
	2"x4" braces/struts	710.83	m	
		324.155	m	
	ROOFINGAND CEILING Total Carried To SUMMARY			

Item No	Description	Qty	Unit	Rate
6	TILING WORK AND FLOOR FINISHING Specifications: Concrete mix: Floor Tiles: Vitrified glazed porcelain floor tiles Wall Tiles: Vitrified Ceramic wall tiles Stair Tiles: Vitrified matt porcelain steep tiles Toilet Tiles: Vitrified Ceramic wall tiles Stone Tiles: Granite stones - All floor tiles shall be set & laid on 2" thk. (minimum) dry-packed			

	mortar, properly mixed, compacted, leveled & wet. - All wall tiles shall be set & laid on pure cement grout mixed with tile adhesive for strong hold. - All tiles shall be properly filled with CTF		
a	<u>FLOOR TILES</u>	309.14	m ²
	<u>WALL AND COUNTER TOP TILES</u>	27.00	m ²
b	<u>TOILET TILES</u>	20.30	m ²

		Tiling Works Total Carried To SUMMARY		
7	<u>DOORS & WINDOWS</u>			
	Fabrication & installation of the following items:			
7.1	<u>DOORS</u>			
a	Metal Door with frames Dimension: (1.20mx2.10m)	2.00	set	
b	Metal Door with frames Dimension: (2.00mx2.50m)	2.00	set	
	<u>WOODEN DOORS</u>			
	Metal Door with frames Dimension: (1.20mx2.10m)	4.00	set	
7.2	<u>WINDOWS</u>			
	Alluminium Windows			
a	Double Window with Dimension: (1.20x 1.40m)	4.00	sets	
b	Fan light with Dimension: (0.50x 0.50m)	3.00	sets	
	Aluminum-frame with fixed glass panel Windows			
d	Dimension: (1.80x1.20m)	0.30	sets	
		Total DOORS & WINDOWS Carried To SUMMARY		
Item No	Description	Qty	Unit	Rate
8	<u>ELECTRICAL INSTALLATION</u>			
8.1	<u>EQUIPMENT AND CONTROL GEARS</u>			
	<u>Supply and install the following approved sub mains switch gears, fuse board etc and including 32mm diameter concealed pvc conduits and wiring between to:</u>			
a	8-way B Type TPN, MCB distribution board c/w 100Amp TP switch disconnector fitted with all MCB's as shown on the plans	6.00	Nr	
8.2	<u>CIRCUIT BREAKERS</u>			
a	Use 15amp bolt-on type circuit breakers	6.00	Nr	
b	Use 30amp bolt-on type circuit breakers	12.00	Nr	
c	Use 100amp for main circuit breaker	6.00	Nr	
8.3	<u>LIGHTING INSTALALTION</u>			
	<u>Supply and erect 1.5mm2 pvc insulated cables and pvc sheated cables in concealed 20mm diameter pvc conduit in circuit wiring from distribution board to:</u>			
a	6Amp, 1gang 1way switch point	6.00	Nr	
b	6Amp, 2gang 2way switch point	6.00	Nr	
c	Light points	18.00	Nr	
	<u>Supply and connect the following light fittings and accessories by approved manufacturer's, including all necessary assembling fixing accessories connections, flexible cords, jambs etc</u>			

d	Hanging lamp holder	18.00	Nr	
e	6Amp, 1gang 1way switch	6.00	Nr	
f	6Amp, 2gang 2way switch	6.00	Nr	
8.4	<u>SMALL POWER INSTALLATION</u>			
	<u>Supply and erect 2.5mm2 pvc insulated cables and pvc sheated cables in concealed 20mm diameter pvc conduit in circuit wiring from distribution board to:</u>			
a	13Amp, single socket points	6.00	Nr	
b	13Amp, double socket points	6.00	Nr	
c	13A three-gang switches veto brand	6.00	Nr	
d	30A AC outlets	6.00	Nr	
	<u>Supply and connect the following small power fittings and accessories by approved manufacturer's, including all necessary assembling, fixing accessories connections, flexible cords, jams etc.</u>			
e	13Amp, single switched socket outlet	6.00	Nr	
	<u>Supply and erect the following earthing and protecting cable</u>			
f	6mm ² single core PVC insulated copper conductor, c.p.c	6.00	m	
g	Use 2.5mm2 twin cable for all power auxiliary outlets	3.00	roll	
h	Use 1.5mm2 Single cable for all lightings	3.00	roll	
i	Use 4.0mm2 twin cable for main feeder	2.00	roll	
j	Use 3/4" dia. Polyethelene pipe conduit	2.00	roll	
k	Use 1" dia. Polyethelene pipe conduit for CCTV, LAN and WLAN connection	5.00	roll	
8.5	<u>LIGHTING FIXTURES</u>			
a	Use 100w 2-bulb ceiling flushedlights	12.00		
Electricals Total				
Carried To SUMMARY				
Item No	Description	Qty	Unit	Rate
9	PLUMBING WORKS			
	Specifications:			
	All horizontal plumbing pipes shall be laid on sand beds with			
	2% constant slope			
	All fixtures shall have a traps & vents			
	Provide cleanouts for declogging & maintainance			
9.1	<u>SANITARY FIXTURES</u>			
	w/c and wash and beson with all fittings	3.00	sets	
9.2	<u>PIPES & FITTINGS</u>			
	Allow for plumbing pipes & fittings to be concealed on walls, slabs &	1.00	item	
	ceilings protected by pipe sleeves.			
9.3	<u>SEPTIC TANK</u>			
	Double chamber septic tank (Digestive & Leaching chambers)	1.00	item	
	Dimension: 3m wide, 3m long, 4m deep			
	Provide manhole for each chamber.			
PlumbingTotal				
Carried To SUMMARY				
Item No	Description	Qty	Unit	Rate
10	<u>PAINTING</u>			

10.1	<u>WALLS</u>			
a	Prepare & apply 3-coats external quality emulsion paint to rendered outside walls	193.16	m ²	
b	Prepare & apply 3-coats internal quality emulsion paint to rendered inside walls	193.16	m ²	
c	Prepare & apply 3-coats external and externally quality Wall Potty to rendered inside, outside walls and Ceiling	798.51	m ²	
10.2	<u>CEILINGS</u>			
a	Prepare & apply 3-coats oil paint to rendered ceiling	206.0933333	m ²	
10.3	<u>DOORS</u>			
a	Prepare & apply 2-coats varnish paint to wooden doors	8.00	No.	
10.4	<u>METALS</u>			
a	Prepare & apply 2-coats oil paint to metal window grills, railings and gates.	8.00	No	
		Total PAINTING Carried To SUMMARY		
Item No	Description	Qty	Unit	Rate
11	EXTERNAL WORKS			
11.1	<u>Surface Water Drainage</u> <u>Landscapping</u>			
a	Concrete paving for apron	7.00	m ³	

b	oncrete paving to building apron, including preparation, compaction, formwork and finished surface	36.00	m ²	
c	Planther, storm drains,gutters and apron,	1.00	item	
	Provide and construct concrete compound pavement, including ground preparation, filling, compaction, formwork, concrete laying, levelling and finishing	27	m ³	
		Total PAINTING		
		Carried To SUMMARY		
	SUMMARY			
1	PRELIMINARIES			..
2	FOUNDATION WORKS			
3	CONCRETE WORKS			..
4	MASONRY WORKS			..
5				
6	TILING WORK AND FLOOR FINISHING			
7	DOORS & WINDOWS			
8	ELECTRICAL INSTALLATION			..
9	PLUMBING WORKS			
10	PAINTING			..
11	EXTERNAL WORKS			
		Total MAIN BUILDING		
		Carried To MAIN SUMMARY		
11	ADMIN COST		15.0%	
		TOTAL SUMMERY GROUND FLOOR		
		Carried To MAIN SUMMARY		

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