

PROPOSED PREFAB EYE UNIT AT VCRH.

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BILL OF QUANTITIES

JUNE-2022.

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 1-SUBSTRUCTURE</u>				
	Excavation				
A	Excavate over site average 150mm deep to remove vegetable soil and load and cart away.	130	SM		
B	Excavate over site to reduce level	26	CM		
C	Excavate pit for column bases not exceeding 1.5m deep starting from reduced level		CM		
D	Excavate trench for foundation not exceeding 1.5m deep starting from reduced level.	33	CM		
E	Allow for plunking and strutting		ITEM		
F	Allow for keeping the whole of excavation free from water and mud by pumping, bailing or other approved method		ITEM		
	Disposal				
G	Return; Fill in and ram selected excavated materials around foundation.	22	CM		
H	Load surplus excavated materials and cart away from site	11	CM		
J	50mm thick murrum or quarry dust blinding to surface of hardcore	130	SM		
K	Hardcore filling as described Hand packed hardcore fillings under floor spread, levelled well rammed and consolidated in 150mm thick layers	130	SM		
L	Anti-termite Treatment Chemical anti-termite executed complete by an approved specialist to surface of hardcore	130	SM		
	Total Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Damp Proof Membrane</u>				
A	500 gauge polythene or other equal and approved damp proof membrane laid over blinded hardcore	130	SM		
	<u>Plain Concrete 1:4:8/28mm aggregate</u>				
B	50mm blinding under column bases		SM		
C	Ditto under strip foundation	30	SM		
	<u>Reinforced Concrete Class 25/20 1:2:4 as described.</u>				
D	Column bases and stub columns		CM		
E	Foundation	6	CM		
F	Staircase		CM		
G	150mm thick floor slab	130	SM		
	<u>Reinforcement as described including tying wires</u>				
H	8mm diameter bars		KGS		
J	10mm diameter bars	250	KGS		
K	12mm diameter bars		KGS		
	<u>Mesh fabric reinforcement to B.S 4483 and measured nett-Allow for laps</u>				
L	Fabric Ref A-142 weighing 2.22kg/m	130	SM		
	<u>Sawn Formwork as described to</u>				
M	Edges of slab over 100mm but not exceeding 200mm high	45	LM		
N	Vertical sides of columns		SM		
P	Edges of risers over 150mm but not exceeding 300mm high		LM		
	Total Carried to Collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Walling in concrete masonry stone bedded and jointed in cement and sand mortar (1:3) 200mm thick natural stone wall reinforced with hoop iron at every alternate courses	40	SM		
Total Carried to Collection					
<u>COLLECTION</u> Brought Forward From Page 01 Brought Forward From Page 02 Brought Forward From Above					
Total For Substructure Works Carried to Summary					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 2-WALLING				
	EXTERNAL WALLS				
	<u>Supply and fix pre plastered Expanded Polystyrene (EPS) panels with and including reinforcement (m.s) and approved concrete class 25/20 (m.s) all to the manufacturer's instruction and to the approval of the Project Manager.</u>				
A	150mm Thick walls.	SM	110		
	INTERNAL WALLS				
	<u>Supply and fix pre plastered Expanded Polystyrene (EPS) panels with and including reinforcement (m.s) and approved concrete class 25/20 (m.s) all to the manufacturer's instruction and to the approval of the Project Manager.</u>				
B	150mm thick walls	SM	135		
	REINFORCEMENT (PROVISIONAL)				
	In any location				
C	Of various sizes	KG	500		
	Class 25 Vibrated Reinforced concrete as described In walls:-				
D	Next to all openings & cavities in the wallings	CM	8		
E	Ring beam	CM	3		
F	Vertical columns	CM	1		
	Total For Walling Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 4-ROOFING</u>				
A	Prepainted G28 IT4 sheets Laid as per project managers Aproval	190	SM		
B	28 gauge ridge cap	50	LM		
	<u>The following in swan celcured cypress</u>				
C	150 x 50 mm rafters	200	LM		
D	150 x 50 mm Tie Beam	145	LM		
E	100 x 50 mm struts / ties	120	LM		
F	150 x 50 mm wallplate	70	LM		
G	75 x 50 mm purlins	285	LM		
H	225 x 25 mm fascia board	70	LM		
J	Prepare and apply two under coats and one finishing coat of exterior quality super gloss oil paint to wood surfaces 200-300mm girth	70	LM		
	<u>RAIN WATER DISPOSAL</u>				
K	The following in approved heavy plastic gauge 150mm diameter half round PVC gutter fixed to faqscia board with including pattern brackets at 1000mm center to center	70	LM		
L	100mm diameter downpipe fixed to wall and including holder bolts at 600mm centres	9	LM		
M	Extra over down pipe for swan neck	2	NO		
N	Extra over down pipe for shoe	2	NO		
	Total For Roof Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 5-WINDOWS <u>Supply and fix steel casement window with buglar proof with red oxide and complete with window fasteners</u>				
A	Window size 1500 x 1200mm high	3	NO		
B	Window size 2150x1200mm high	1	NO		
C	Window size 900x 700mm high	1	NO		
D	Window size 1200x700mm high	1	NO		
E	Window size 2400 x 1200mm high	2	NO		
F	Window size 1000x700mm high	1	NO		
F	Window size 1800x1200mm high	1	NO		
	Glazing 4mm thick clear sheet glass in panes 0.5m squared to 1.0m squared in metal putty	25	SM		
H	Prepare and apply two under coat and one finishing coat to general surfaces of metal	50	SM		
	Total For Windows Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 6-DOORS				
	<u>Supply and fix the following steel and glass panel door with standard metal section from approved manufacture complete with frames,transomes,mullion and including permanent ventilation all welding ground to smooth finish</u>				
A	1200x2100mm high Glazed Steel casement, Double leaf-Ordinary clear glass	2	NO		
B	1500 x 2100mm high Glazed Steel casement, Double leaf-Frosted glass	2	NO		
C	1250 x 2100mm high Glazed Alluminium casement, Double leaf-Frosted glass	1	NO		
D	1000 x 2100mm high Glazed Alluminium casement, Single leaf-Frosted glass	5	NO		
E	675 x 2100mm high Steel panel-Partly Louvred, single leaf	1	NO		
	<u>FLUSH DOOR</u>				
	<u>45mm thick framed legded braced battened wrot hardwood</u>				
F	900 x 2100mm high Wooden, Single leaf, Flush-Solid Core	6	NO		
G	675 x 2100mm high Wooden, Single leaf, Flush-Solid Core	1	NO		
H	100x 50mm wrot hardwood door frame	7	NO		
J	38 x 19mm ditto architrave	45	LM		
K	Ditto quadrant	45	LM		
	<u>Supply and fix the following iron mongery as per "UNION CATALOGUE" complete with furniture and matching screws and fixing to timber</u>				
L	250 x 30mm wrot iron door cramp twice drilled and screwed to back of frame and other end of frame	8	NO		
M	100mm pressed butt hinges	11	PRS		
N	Rubber stopers	7	NO		
P	Two lever mortice lock with pair of laver handles	7	NO		
	Total For Doors Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO 7-FINISHES</u>				
	<u>Internal Wall Finishes</u>				
A	12mm thick two coat gauged plaster 1:1:6 to walls internally	370	SM		
	<u>EXTERNAL WALL FINISHES</u>				
B	12mm thick cement sand (1:4) mortar rendering to walls externally	110	SM		
	<u>Prepare and apply two undercoat and one finishing coat of first quality emulsion paint to:</u>				
C	Rendered Walls	160	SM		
D	Plastered Walls	370	SM		
	<u>Floor</u>				
	<u>Insitu cement and sand (1:3) screed beds with steel trowelled smooth</u>				
E	40mm thick screed trowelled and lamped to semi rough finish to approved pattern to receive tiles	130	SM		
F	300 x 300 x 6mm thick ceramic tiles laid to screed bed and pointed in colured grout	130	SM		
G	25 x 100mm high tile skirting rounded on top	100	LM		
H	200 x 200 x 6mm thick wall ceramic tiles on wet areas	16	SM		
	<u>CEILING FINISHES</u>				
	<u>Approved Gypsum suspended ceiling in 600 x 600mm center both ways cypress according to architect approval to gird system and all accessories as supplied</u>				
J	15mm thick suspended ceiling	130	SM		
	Total For Finishes Carried to Summary				

ITEM	DESCRIPTION	AMOUNT
	SUMMARY	
A	Substructure From Page 03	
B	Walling From Page 04	
C	Roofing From Page 05	
D	Windows From Page 06	
E	Doors From Page 07	
F	Finishes From Page 08	
	Total For Builders Works	

PC AND PROVISIONAL SUM

ITEM	DESCRIPTION	AMOUNT
A	Allow a provisional sum of Kenya Shillings One Hundred Thousand for Project Management.	
B	Allow a provisional sum of Kenya Shillings One hundred Thousand Only for Mechanical Works	
C	Allow a provisional sum of Kenya Shillings TWO Hundred and fifty Thousand for Eletrical Works.	
	Total For PC & Provisional Sum Carried to Grand Summary	

GRAND SUMMARY

ITEM	DESCRIPTION		AMOUNT
1	BUILDER'S WORK		
2	PROVISIONAL SUMS		
SUB TOTAL			
<i>ADD 16% VAT</i>			
TOTAL FOR BUILDER'S WORKS CARRIED TO FORM OF TENDER			
<i>SAYKSH.....</i>			

NAME OF TENDERER.....

ADDRESS.....

SIGNATURE.....

DATE.....

NAME OF WITNESS.....

ADDRESS.....

SIGNATURE.....

DATE.....