

PROPERTY OF:
WINDLE TRUST INTERNATIONAL
SOUTH SUDAN

BILLS OF QUANTITIES

APRIL . 2021



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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
1	Excavations & Earth work				
1.1	site clearance & planning:				
1.1.1	Site clearance	JOB	1		
1.1.2	Site planning:	JOB	1		
	Total carried to collection				
1.2	Excavations & Earth work				
1.2.1	Isolated Footing Foundation				
	Excavation for footings and sub-structure complete for the building as per drawings and Engineer instructions. Include the removal of excavated materials to a location approved by local authorities the following excavations are measured net and are to include any necessary planking, strutting, disposal and filling of soil.				
1.2.1.1	Excavate for isolated footing foundation sub base 2.0 m deep (or as specified on site)	M ³	231		
1.2.1.2	Backfill and compact in layers for foundation using selected material	M ³	165		
1.2.1.3	Backfill and compact in layers using selected material below slab		170		
1.2.1.4	Cart & Remove away excavated soil	M ³	79		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
1	Excavation & Earth Works	
1.1	site clearance & planning	
1.2	Excavation & Earth Works	
	Total carried to Summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
2	Concrete Works				
2.1	Plain Concrete				
	Provide & Mix and cast in position plain concrete Grade 15 for the following :				
2.1.1	100 mm thickness blinding below foundation	M ²	116		
	Total carried to collection				
2.2	Foundation & substructure				
2.2.1	Reinforced Concrete Footings	M ³	50		
2.2.2	Reinforced Concrete Short columns	ML	32		
2.2.3	Reinforced Concrete Grade Beams	ML	212		
2.2.4	Reinforced Concrete slab 10 cm (Nominal Reinforcement)	M ²	360		
	Total carried to collection				
2.3	Reinforced Concrete:				
2.3.1	Ground Floor				
2.3.1.1	Reinforced Concrete columns	ML	74		
2.3.1.2	Reinforced Concrete Cover Slab	ML	388		
2.3.1.3	Reinforced Concrete Beams	M ²	217		
2.3.1.4	RC 3-Flights staircase as per drawings	JOB	1		
2.3.1.5	Reinforced Concrete lintels	ML	18		
2.3.1.6	Provide & lay conduit pipes, electrical boxes and fix all electrical points according to the electricity layout plan , Allow conduit pipes for main distribution board and all necessary pipes before casting concrete for beams and slab	M ²	388		
	Total carried to collection				
2.3.2	First Floor				
2.3.2.1	Reinforced Concrete columns	ML	63		
2.3.2.2	Reinforced Concrete Cover Slab	M ²	321		
2.3.2.3	Reinforced Concrete Beams	ML	185		
2.3.2.4	RC 3-Flights staircase as per drawings	JOB	1		
2.3.2.5	Reinforced Concrete lintels	ML	32		
2.3.2.6	Provide & lay conduit pipes, electrical boxes and fix all electrical points according to the electricity layout plan , Allow conduit pipes for main distribution board and all necessary pipes before casting concrete for beams and slab	M ²	321		
	Total carried to collection				
2.3.3	Terrace Floor				
2.3.3.1	Reinforced Concrete columns	ML	33		
2.3.3.2	Reinforced Concrete Cover Slab	M ²	135		
2.3.3.3	Reinforced Concrete Beams	ML	80		
2.3.3.4	Reinforced Concrete lintels	ML	3		
2.3.3.5	Provide & lay conduit pipes, electrical boxes and fix all electrical points according to the electricity layout plan , Allow conduit pipes for main distribution board and all necessary pipes before casting concrete for beams and slab	M ²	135		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
2	Concrete Works	
2.1	Plain Concrete	
2.2	Foundation & Sub structure	
2.3	Reinforced Concrete	
2.3.1	Ground floor	
2.3.2	First Floor	
2.3.3	Terrace Floor	
	Total carried to Summary	

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
3	<i>Brick Works</i>				
	Provide & Build 20 cm thick brick walls in 1:6 mix cement sand mortar				
3.1	Ground Floor	M ²	164		
3.2	First Floor	M ²	335		
3.3	Terrace Floor	M ²	139		
3.4	Parapet Walls	M ²	39		
	Total carried to Collection				
	Provide & Build 15 cm thick brick walls in 1:6 mix cement sand mortar				
3.5	Ground Floor	M ²	41		
3.6	First Floor	M ²	127		
3.7	Terrace Floor	M ²	24		
	Total carried to Collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
3	Brick Works	
3.1	Ground Floor	
3.2	First Floor	
3.3	Terrace Floor	
3.4	Parapet Walls	
3.5	Ground Floor	
3.6	First Floor	
3.7	Terrace Floor	
	Total carried to Summary	

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
4	<i>Water proofing works :</i>				
4.1	Ground Floor				
4.1.1	to toilets & kitchen	M ²	34		
	Total carried to collection				
4.2	First Floor				
4.2.1	to toilets & kitchen	M ²	45		
4.2.2	Ditto but for balconies & terraces	M ²	6		
	Total carried to collection				
4.3	Terrace Floor				
4.3.1	to toilets & kitchen	M ²	19		
4.3.2	Ditto but for balconies & terraces	M ²	306		
	Total carried to collection				
4.4	Roof				
4.4.1	to floor level	M ²	135		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
4	Water proofing Works	
4.1	Ground Floor	
4.2	First Floor	
4.3	Terrace Floor	
4.4	Roof	
	Total carried to Summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
5	Pavior Works				
5.1	Ground Floor				
5.1.1	Provide & lay 100x100 cm marble slabs of approved quality for floor.	M ²	65		
5.1.2	Ditto but marble skirting	ML	38		
5.1.3	Provide & fix printed flat needle felt fibre 500x500 floor carpet to treated floor ,stain resistant , back coated and treated with Scotch gard TM; 100% PA with Anti- static Fiber top layer and 100% Synthetic backing, colors are to the Engineer,s approval, complete with water base, Low VOC,s mildew resistant, non-staining adhesive; and under layment and Miscellanous materials as recommended by the manufacturer including base substrate of Concrete as specified above.	M ²	218		
5.1.4	Provide & lay 30x30 cm unglazed Ceramic tiles of approved quality for toilets floor	M ²	26		
5.1.5	Ditto but 30x30 cm unglazed Ceramic wall tiles for toilets	M ²	112		
5.1.6	Provide & lay 45x45 cm white unglazed Ceramic tiles of approved quality for kitchen floor	M ²	8		
5.1.7	Ditto but 30x50cm unglazed Ceramic wall tiles for kitchen	M ²	32		
5.1.8	Provide & Lay Terrazo tiles Tread size 110x30x30 cm & Riser size 110x16x03 cm	No	20		
5.1.9	Ditto but terrazo landing	No	2		
Total carried to collection					

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
5.2	First Floor				
5.2.1	Provide & lay 60x60 cm Porcelain tiles of approved quality for floor.	M ²	107		
5.2.2	Ditto but Porcelain skirting	ML	116		
5.2.3	Provide & fix printed flat needle felt fibre 500x500 floor carpet to treated floor ,stain resistant , back coated and treated with Scotch gard TM; 100% PA with Anti- static Fiber top layer and 100% Synthetic backing, colors are to the Engineer,s approval, complete with water base, Low VOC,s mildew resistant, non-staining adhesive; and under layment and Miscellaneous materials as recommended by the manufacturer including base substrate of Concrete as specified above.	M ²	161		
5.2.4	Provide & lay 30x30 cm unglazed Ceramic tiles of approved quality for toilets floor	M ²	33		
5.2.5	Ditto but 30x30 cm unglazed Ceramic wall tiles for toilets	M ²	202		
5.2.6	Provide & lay 45x45 cm white unglazed Ceramic tiles of approved quality for kitchen and Store floor	M ²	12		
5.2.7	Ditto but 30x50cm unglazed Ceramic wall tiles for kitchen	M ²	36		
5.2.8	Ditto but 45x45cm White unglazed Ceramic skirting for Store	ML	6		
5.2.9	Provide & Lay Terrazo tiles Tread size 110x30x30 cm & Riser size 110x16x03 cm	No	17		
5.2.10	Ditto but terrazo landing	No	2		
5.2.11	Provide & Lay Terrazo tiles size 60x60 cm for balconies and terraces floor	M ²	30		
5.2.12	Ditto but terrazo skirting	ML	56		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
5.3	Terrace Floor				
5.3.1	Provide & lay 60x60 cm Porcelain tiles of approved quality for floor.	M ²	66		
5.3.2	Ditto but Porcelain skirting	ML	53		
5.3.3	Provide & lay 30x30 cm unglazed Ceramic tiles of approved quality for toilets floor	M ²	19		
5.3.4	Ditto but 30x30 cm unglazed Ceramic wall tiles for toilets	M ²	118		
5.3.5	Provide & Lay Terrazo tiles size 60x60 cm for balconies and terraces floor	M ²	306		
5.3.6	Ditto but terrazo skirting	ML	135		
	Total carried to Summary				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
5	Pavior Works	
5.1	Ground Floor	
5.2	First Floor	
5.3	Terrace Floor	
	Total carried to Summary	

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
6	Plaster Works				
	Provide & Plaster 200 & 150 mm thick in 1:6 cement and sand mortar as specified on drawings.				
6.1	Ground Floor				
6.1.1	Plaster for Ceiling	M ²	317		
6.1.2	Ditto but for internal walls	M ²	222		
6.1.3	Ditto but for External walls.	M ²	171		
6.1.4	Ditto but for Stair	JOB	1		
	Total carried to collection				
6.2	First Floor				
6.2.1	Plaster for Ceiling	M ²	313		
6.2.2	Ditto but for internal walls	M ²	947		
6.2.3	Ditto but for internal Parapet Walls	M ²	7		
6.2.4	Ditto but for External walls.	M ²	210		
6.2.5	Ditto but for External Parapet Walls	M ²	7		
6.2.6	Ditto but for Stair	JOB	1		
	Total carried to collection				
6.3	Terrace Floor				
6.3.1	Plaster for Ceiling	M ²	85		
6.3.2	Ditto but for internal walls	M ²	262		
6.3.3	Ditto but for internal Parapet Walls	M ²	45		
6.3.4	Ditto but for External walls.	M ²	106		
6.3.5	Ditto but for External Parapet Walls	M ²	45		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
6	Plaster Works	
6.1	Ground Floor	
6.2	First Floor	
6.3	Terrace Floor	
	Total carried to Summary	

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
7	Painting & Cladding Works				
7.1	Ground Floor				
	Provide & paint 3 coats high quality pomastic paint in white colour or other approved colour to reach smooth finishes				
7.1.1	Paint for Ceiling	M ²	317		
7.1.2	Paint for internal walls	M ²	78		
7.1.3	Ditto but for External walls.	M ²	115		
7.1.4	Ditto for staircase	JOB	1		
	Provide & fix marble tiles 600x600 mm for external cladding				
7.1.5	Cladding for External walls	M ²	15		
7.1.6	Ditto but for columns	ML	22		
	Total carried to collection				
7.2	First Floor				
	Provide & paint 3 coats high quality pomastic paint in white colour or other approved colour to reach smooth finishes				
7.2.1	Paint for Ceiling	M ²	313		
7.2.2	Ditto but for internal walls	M ²	282		
7.2.3	Ditto but for internal Parapet walls	M ²	7		
7.2.4	Ditto but for External walls.	M ²	162		
7.2.5	Ditto but for External Parapet Walls	M ²	7		
7.2.6	Ditto for staircase	JOB	1		
	Provide & fix marble tiles 600x600 mm for external cladding				
7.2.7	Cladding for External walls	M ²	48		
7.2.8	Ditto but for columns	ML	3		
	Total carried to collection				
7.3	Terrace Floor				
	Provide & paint 3 coats high quality pomastic paint in white colour or other approved colour to reach smooth finishes				
7.3.1	Paint for Ceiling	M ²	85		
7.3.2	Ditto but for internal walls	M ²	144		
7.3.3	Ditto but for internal Parapet walls	M ²	45		
7.3.4	Ditto but for External walls.	M ²	106		
7.3.5	Ditto but for External Parapet Walls	M ²	45		
	Provide & fix marble tiles 600x600 mm for external cladding				
7.3.6	Cladding for columns	ML	3		
7.3.7	Ditto but for pergola	JOB	1		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
7	Painting & Cladding Works	
7.1	Ground Floor	
7.2	First Floor	
7.3	Terrace Floor	
	Total carried to Summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
8	Ironmongery & Joinery Works				
8.1	Ground Floor				
8.1.1	DOORS				
	Provide & Fix solid mahogany/ marinti internal and external doors with cladding rebate edge with large frame covering wall width architrave internally & externally with high quality accessories for the following :-				
8.1.1.1	Door type (D02) 850x2200 mm	No	7		
8.1.1.2	Door type (D03) 1200x2200 mm	No	3		
8.1.2	Windows				
	Provide & fix single Glazed 6 mm blue reflected glass with grey Aluminium frame				
8.1.2.1	Window type (W01) 1350x600mm	No	3		
8.1.2.2	Window type (W02) 1350x1890mm	No	1		
8.1.2.3	Window type (W04) 1450x2930mm	No	2		
8.1.2.4	Window type (W05) 2700x1890mm	No	3		
8.1.3	Curtian Walls				
	Provide & Fix Aluminum powder coated double glazed curtian wall with fixed panels ,double glazing consisting of 6mm high performance light blue tinted glass from outside, 12mm air gap space and 6mm obscure toughened glass from inside, door glazing to be 12mm thk fully tempered glass.				
8.1.3.1	Curtain Wall type (CW01) 7400x2930mm	M ²	21		
8.1.3.2	Curtain Wall type (CW02) 3800x2930mm	M ²	11		
8.1.3.3	Curtain Wall type (CW03) 1960x2930mm	M ²	6		
8.1.3.4	Curtain Wall type (CW04) 4150x3180mm	M ²	59		
8.1.3.5	Curtain Wall type (CW05) 4000x2580mm	M ²	42		
8.1.3.6	Curtain Wall type (CW06) 2500x2580mm	M ²	6		
8.1.3.7	Curtain Wall type (CW07) 2360x2580mm	M ²	6		
8.1.3.8	Curtain Wall type (CW08) 4400x2580mm	M ²	11		
8.1.4	Partitioning				
8.1.4.1	Provide & fix 100 mm thick gypsum board partition wall with aluminum framing complete with all accessories as per drawings .	M ²	75		
8.1.5	Steel Works				
8.1.5.1	Provide & Fix 50 mm stainless steel supporting post (tubular section),with 25mm stainless steel balustrade (tubular section) handrail for staircase	ML	10		
8.1.5.2	Ditto but metal railing	ML	2		
8.1.5.3	Provide & Fix 10mm Metal louvers W/1400 mm	ML	3		
8.1.5.4	Provide & Fix 50 mm Aluminum coated Canopy framing (4000x5400mm) complete with all accessories as per drawings .	No	1		
8.1.5.5	Provide & Fix 50 mm Aluminum coated Canopy framing (4000x5400mm) complete with all accessories as per drawings .				
8.1.5.6	Provide & Fix metallath.	M ²	2		

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
8.1.6	Ceiling works				
8.1.6.1	Supply & install 60*60 cm suspended gypsum boards ceiling panels including fixing accessories, trims and openings for lightings & AC fittings,..etc.all as per drawings.	M ²	317		
Total carried to collection					
8.2	First Floor				
8.2.1	DOORS				
	Provide & Fix solid mahogany/ marinti internal and external doors with cladding rebate edge with large frame covering wall width architrave internally & externally with high quality accessories for the following :-				
8.2.1.1	Door type (D01) 850x2200mm	No	3		
8.2.1.2	Door type (D02) 1000x2200mm	No	11		
8.2.1.3	Door type (D07) 1200x2380mm	No	1		
	Provide & Fix Aluminum Sliding Doors, with 6 mm thick high performance single glazing as per drawings.				
8.2.1.4	Door type (D04) 2540x2200mm	No	2		
8.2.1.5	Door type (D05) 2700x2200mm	No	2		
8.2.2	Windows				
	Provide & fix single Glazed 6 mm blue reflected glass with Aluminium frame				
8.2.2.1	Window type (W01) 1350x600mm	No	3		
8.2.2.2	Window type (W02) 1350x1890mm	No	2		
8.2.2.3	Window type (W03) 1450x2150mm	No	3		
8.2.2.4	Window type (W05) 2700x1890mm	No	4		
8.2.3	Curtian Walls				
	Provide & Fix Aluminum powder coated double glazed curtian wall with fixed panels ,double glazing consisting of 6mm high performance light blue tinted glass from outside, 12mm air gap space and 6mm obscure toughened glass from inside, door glazing to be 12mm thk fully tempered glass.				
8.2.3.1	Curtain Wall type (CW09) 4250x2700mm	M ²	20		
8.2.3.2	Curtain Wall type (CW10) 4150x3200mm	M ²	25		
8.2.3.3	Curtain Wall type (CW11) 1940x2450mm	M ²	5		
8.2.4	Partitioning				
8.2.4.1	Provide & fix 100 mm thick gypsum board partition wall with aluminum framing complete with all accessories as per drawings .	M ²	36		
8.2.4.2	Provide & fix bath rooms partitions , shaped into individual cubicles panels with built in door (D01/D02) dividers are made of compacted water resistant laminated boards with necessary accessories .top rail & wall starter profile are made of aluminum. Door locks should include vacant occupied	M ²	16		

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
8.2.5	Steel Works				
8.2.5.1	Provide & Fix 50 mm stainless steel supporting post (tubular section),with 25mm stainless steel balustrade (tubular section) handrail for staircase	ML	6		
8.2.5.2	Ditto but metal railing	ML	36		
8.2.5.3	Provide & Fix 10mm Metal louvers W/1400 mm	ML	3		
8.2.5.4	Provide & Fix metallath.	M ²	3		
8.1.6	Ceiling works				
8.1.6.1	Supply & install 60*60 cm suspended gypsum boards ceiling panels including fixing accessories,trims and openings for lightings & AC fittings,..etc.all as per drawings.	M ²	98		
Total carried to collection					
8.3	Terrace Floor				
8.3.1	DOORS				
	Provide & Fix solid mahogany/ marinti internal and external doors with cladding rebate edge with large frame covering wall width architrave internally & externally with high quality accessories for the following :-				
8.3.1.1	Door type (D02) 1000x2200mm	No	2		
8.3.1.2	Door type (D07) 1200x2380mm	No	1		
	Provide & Fix Aluminum Sliding Doors, with 6 mm thick high performance single glazing as per drawings.				
8.3.1.3	Door type (D06) 2500x2380mm	No	1		
8.3.2	Windows				
	Provide & fix single Glazed 6 mm blue reflected glass with Aluminium frame				
8.3.2.1	Window type (W01) 1350x600mm	No	2		
8.3.2.2	Window type (W02) 1350x1890mm	No	2		
8.3.3	Curtian Walls				
	Provide & Fix Aluminum powder coated double glazed curtian wall with fixed panels ,double glazing consisting of 6mm high performance light blue tinted glass from outside, 12mm air gap space and 6mm obscure toughened glass from inside, door glazing to be 12mm thk fully tempered glass.				
8.3.3.1	Curtain Wall type (CW12) 1450x3050mm	M ²	4		

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
8.3.4	Partitioning				
8.3.4.1	Provide & fix bath rooms partitions , shaped into individual cubicles panels with built in door (D01/D02) dividers are made of compacted water resistant laminated boards with necessary accessories .top rail & wall starter profile are made of aluminum. Door locks should include vacant occupied	M ²	16		
8.3.5	Steel Works				
8.3.5.1	Provide & Fix 50 mm stainless steel supporting post (tubular section),with 25mm stainless steel balustrade (tubular section) handrail for metal railing	ML	97		
8.3.5.2	Provide & Fix 50 mm Aluminum coated pergola framing (4000x7200mm) complete with all accessories as per drawings .	No	1		
Total carried to collection					
8.4	Roof				
8.4.1	Provide & Fix wood truss with all accessories as per drawing	JOB	1		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
8	Ironmongery & Joinery	
8.1	Ground Floor	
8.2	First Floor	
8.3	Terrace Floor	
8.4	Roof	
	Total carried to Summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
9	Electrical Works				
9.1	Final distribution board				
	Supply, install, test and commission of panelboard casing, circuits breakers,cables and wires connections, earthing connection, MCCBs,MCBs,ELCBs and all necessary accessories, labor,tools, transport, testing, one year guarantee, all overhead expenses and as shown on the drawings & load schedule.				
9.1.1	DB-GF, 3Ph. 4W+E, 415/240V , 100A RCBO.	No.	1		
9.1.2	DB-FF, 3Ph. 4W+E, 415/240V , 100A RCBO.	No.	1		
9.1.3	DB-TF, 3Ph. 4W+E, 415/240V , 60A RCBO.	No.	1		
	Total carried to collection				
9.2	Power cables				
	Supply, install, connect, test& commission the following low voltage Power copper cables(Multicore/single core) 600/1000V, CU/XLPE/SWA/PVC and earth cable CU/PVC 450/750V green/ yellow color.with all necessary accessories, cable ties, cable lugs,cable gland, cable tray to fixed on surface .				
9.2.1	4C 25 sqmm Cu XLPE/SWA/PVC Cable	L.m.	10		
9.2.2	4C 16 sqmm Cu XLPE/SWA/PVC Cable	L.m.	10		
9.2.3	1C 16 sqmm Cu XLPE/SWA/PVC Cable	L.m.	20		
	Total carried to collection				
9.3	Wiring devices				
	Supply, install , test and commissioning Power Sockets outlets points via wires of cross section 3x4 mm2 copper wires and wiring accessories as stated in load schedules and drawings via 25mm EMT conduit for the main circuit/subcircuit.	Job			
9.3.1	13A, 230V, SINGLE SWITCHED SOCKET	No.	50		
9.3.2	SWITCHED SOCKET EARTHED TYPE	No.	8		
9.3.3	13A, 230V, DOUBLE SWITCHED SOCKET EARTHED TYPE	No.	28		
9.3.4	20A, 230V, HAND DRYER POWER OUTLET	No.	6		
9.3.5	DUAL VOLTAGE 115-230V SHAVER SOCKET	No.	3		
9.3.6	20A, 230V, DOUBLE POLE SWITCH WITH NEON INDICATOR AND FLEXIBLE CONNECTION FOR	No.	39		
9.3.7	13A, 230V, DOUBLE SWITCHED SOCKET AND DUAL DATA OUTLETS DESK BOX WITH USB CHARGER	No.	52		
9.3.8	SINGLE PHASE ISOLATOR WEATHERPROOF TYPE 20A	No.	28		
9.3.9	3 PHASE ISOLATOR WEATHERPROOF TYPE 20A	No.	2		
	Total carried to collection				

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
9.4	Interior lighting system				
	Supply, install and test lighting fixtures including lamps, tubes, rapid start high power factor ballast,drivers, frames and all accessories according to drawings and specifications .Lighting fixtures outlets points via wires of cross section 3x2.5 mm2 copper wires and wiring accessories as stated in load schedules and drawings via 20mm EMT conduit for the main circuit/subcircuit. The control of this circuit is from any kind of switch, dimmer, or controller. Maximum No. of wires within each 20mm conduits is 6 wires	Job			
9.4.1	SUSPENDED LED, 240V ~ 50 HZ, 24.5W, CRI>80, 2800lm AND CCT 4000K, IP22	No.	47		
9.4.2	SUSPENDED LED, 240V ~ 50 HZ, 50W, CRI>80, 4800lm AND CCT 4000K, IP22	No.	4		
9.4.3	DOWNLIGHT LED, 240V ~ 50 HZ, 15W, CRI>80, 1200lm AND CCT 3000K, IP 22	No.	29		
9.4.4	SPOT LED, 240V ~ 50 HZ, 15W, CRI>80, 918lm AND CCT 3000K, IP 22	No.	25		
9.4.5	SURFACE DOWNLIGHT LED, 240V ~ 50 HZ, 15W, CRI>80, 918lm AND CCT 3000K, IP 56	No.	10		
9.4.6	SUSPENDED CHANDELIER LED, 240V ~ 50 HZ, 150 W, CRI>80, 2500lm AND CCT 3000K, IP22	No.	3		
9.4.7	DOWNLIGHT LED, 240V ~ 50 HZ, 15W, CRI>80, 1318lm AND CCT 3000K, IP 22	No.	42		
9.4.8	RECESSED DOWNLIGHT LED, 240V ~ 50 HZ, 15W, CRI>80, 918lm AND CCT 3000K, IP 56	No.	36		
9.4.9	REASSESED LED, 240V ~ 50 HZ, 36W, CRI>80, 3600lm AND CCT 4000K, IP 22	No.	26		
9.4.10	SURFACE MOUNTED LED, 240V ~ 50 HZ, 40W, CRI>80, 4590lm AND CCT 4000K, IP 22	No.	4		
9.4.11	FLOODSTAR, 240V ~ 50 HZ, 27W, CRI>80, 2170lm AND CCT 3000K, IP56	No.	27		
9.4.12	FLOOR RECESSED, 240V ~ 50 HZ, 3.6W, CRI>80, 380lm AND CCT 3000K, IP68, IK07	No.	17		
Total carried to collection					

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
9.5	Switches				
	Lighting fixtures outlets points via wires of cross section 3x2.5 mm ² copper wires and wiring accessories as stated in load schedules and drawings via 20mm PVC conduit for the main circuit/subcircuit. The control of this circuit is from any kind of switch, dimmer, or controller. Maximum No. of wires within each 20mm conduits is 6 wires	Job			
9.5.1	13A, 230V 1-WAY 1 GANG SWITCH	No.	47		
9.5.2	13A, 230V 1-WAY 2GANG SWITCH	No.	16		
9.5.3	13A, 240V 2-WAY 1GANG SWITCH	No.	7		
Total carried to collection					
9.6	Work completion				
9.6.1	Submitting Shop drawings including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
9.6.2	Submitting As Built including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
9	Electrical Works	
9.1	Final distribution board	
9.2	Power cables	
9.3	Wiring devices	
9.4	Interior lighting system	
9.5	Switches	
9.6	Work completion	
	Total carried to summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
10	Communication system works				
10.1	Fire alarm system				
	Supply, install, test and comission complete addressable fire detection and alarm system comprising various types of smoke detectors, heat detectors, fire alarm control panel (FACP), Addressible alarm siren with light strobe including fire resistance cables 2C* 1.5mm2, boxes (conduits, conduit fittings, cabling,plugs, earthing, terminations, etc) and all other accessories as the specifications.				
10.1.1	Fire alarm control panel (FACP)	No.	1		
10.1.2	Optical Smoke Detector (S)	No.	31		
10.1.3	Optical Heat Detector (S)	No.	2		
10.1.4	Fire Alarm Sounder with FLASHER	No.	6		
10.1.5	Break Glass call point	No.	5		
	Total carried to collection				
10.2	IP closed circuit television (CCTV) system				
10.2.1	NVR (Network Vedio Recorder) FHD , HDMI	No.	1		
10.2.2	CCTV LED Monitor 55'	No.	1		
10.2.3	IP Dome camera	No.	9		
10.2.4	IP Fixed outdoor day/night color camera complete ,IP-65.	No.	8		
10.2.5	POE Switch 24 Port	No.	1		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
10.3	Telecommunication system				
10.3.1	Supply, install, test, and commission a complete data & telephone outlet including all conduits, boxes, Cable Trunk, Fiber Optic, Cat 6 cables According to specifications and drawings. All Data outlets shall be numbered in sequence.				
10.3.2	Dual Telephone And Data Outlet Faceplate	No.	6		
10.3.3	Data Outlet Faceplate	No.	10		
10.3.4	Supply, install, test, and commission a rack cabinet with core switch , 27U type as per approved including power strips, fans, all needed internal cables, cable ties, cable management trays (horizontal and vertical) , connections and all accessories needed to complete the work as specified and as detailed on drawings.	No.	1		
10.3.5	Supply, install, test, and commission a 48 port switch as per approved including patch cord and all accessories needed to complete the work. As specified and as detailed on drawings. 2xSFP	No.	3		
10.3.6	Supply, install, test, and commission a 48 port patch panel as per approved including patch cord and all accessories needed to complete the work. As specified and as detailed on drawings.	No.	3		
10.3.7	Supply, install, test, and commission a 48 port Fiber patch panel as per approved including patch cord and all accessories needed to complete the work. As specified and as detailed on drawings.	No.	1		
10.3.8	Wireless Access Point	No.	4		
10.3.9	Dual Telephone And Data Floor Box	No.	52		
	Total carried to collection				

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
10.4	Television system				
	Supply, installation, testing and commissioning of coaxial cable ,tape off,splitter mounted on a GI outlet box with front plate and all necessary accessories complete as required including the termination of wires.				
10.4.1	TV outlet	No.	20		
10.4.2	130 cm Dish	No.	2		
10.4.3	Quad LNB	No.	2		
10.4.4	Cascadable Multiswitch 9 SAT+1TERR / 12 OUT	No.	3		
	Total carried to collection				
10.5	Public address system				
	Supply, installation, testing and commissioning of coaxial type ,tape off,splitter mounted on a GI outlet box with front plate and all necessary accessories complete as required including the termination of fire rated wires.				
10.5.1	Ceiling Speakers 6 w	No.	20		
10.5.2	Voice Evacuation panel combined with FACP	No.	1		
10.5.3	volume control	No.	1		
10.5.4	Mic	No.	1		
10.5.5	Amplifier as per number of speakers (240WATT)	No.	1		
10.5.6	Sound Publication Center	No.	1		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
10.6	Security system				
	Supply, install, test, and commission a complete security system including all conduits,wires, boxes CAT6 cables According to specifications and drawings.				
10.6.1	Access control panel	No.	1		
10.6.2	Access control panel per floor	No.	3		
10.6.3	Access control reader	No.	6		
10.6.4	Electromagnetic Door Lock With Door Contact	No.	6		
10.6.5	Request To Exit Push Botton	No.	6		
	Total carried to collection				
10.7	Work completion				
10.7.1	Submitting Shop drawings including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
10.7.2	Submitting As Built including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
	Total carried to collection				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
10	Communication system Works	
10.1	Fire alarm system	
10.2	IP closed circuit television (CCTV) system	
10.3	Telecommunication system	
10.4	Television system	
10.5	Puplic address system	
10.6	Security system	
10.7	Work completion	
	Total carried to summary	

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
11	<i>Air conditioning system works</i>				
11.1	Air conditioning units				
11.1.1	Wall mounted split unit				
	Supply ,Installation ,Testing & Commissioning of Wall mounted Split Units (indoor & outdoor units) . the unit shall be ARI certified and shall operates with friendly to O-zone refrigerant (R407-C). The rate shall include copper pipes, support, wiring, fittings, insulations, 2 inch aluminum washable filters, control, circuit breaker, disconnect switch, wired type space thermostat, flexible connection , electric connection, condensate drain) with all required devices & accessories to protect the A/C units from electrical & mechanical damages. All should be done according to the drawings, specifications & Approval of the Engineers.				
11.1.1.1	(1.0 TOR @ 190 LPS)	No.	1		
11.1.1.2	(1.5 TOR @ 285 LPS)	No.	11		
11.1.1.3	(2.0 TOR @ 380 LPS)	No.	10		
11.1.1.4	(2.5 TOR @ 475 LPS)	No.	5		
11.1.1.5	(3.0TOR @ 570 LPS)	No.	1		
11.2	Condensate drain system				
11.2.1	Supply ,Installation ,Testing & Commissioning of Rigid heavy class UPVC piping complete with fittings, supports as per specifications and duly insulated with 6 mm thick closed cell crosslinked polyethylene (XLPE) tubular insulation.	Job	1		
Total carried to collection					
11.3	Ventilation system				
11.3.1	Ventilation fans				
	Supply ,Installation ,Testing & Commissioning of wall mounted exhasut / ventilation fans as per drawings & spesifications as per following :				
11.3.1.1	(50 LPS @ 0.3 inwg)	No.	12		

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
11.3.2	Inline fan				
	Supply ,Installation, Testing and Commissioning of rectangular inline fans for exhaust air as shown on drawings, complete with sheet metal casing, direct driven centrifugal fan, motor with proper protection and inspection door,gravity louvers etc. as per the specifications.				
11.3.2.1	(100 LPS @ 0.1 inwg)	No.	1		
11.3.3	Ventilation air duct				
	Supply ,Installation ,Testing & Commissioning of G.I.sheet metal (G-60) factory fabricated duct complete with neuperene rubber gaskets, slip on flanges, vanes,Linklevers, Volume Dampers , GI thread rod and perforated 'C' channel supports etc. in accordance with the approved shop drawings and specifications.	L.m.	10		
11.3.4	Ventilation air outlets				
	Supply ,Installation ,Testing & Commissioning of Powder coated Aluminium extruded Square Diffusser for Exhaust including air pleniem as per drawings & specification				
11.3.4.1	Disk Valve diamater 150 mm	No.	2		
	Supply ,Installation ,Testing & Commissioning of Powder coated Aluminium extruded Air louver for Exhaust without damper as per drawings & specification				
11.3.4.2	EAL 40x30cm	No.	1		
Total carried to collection					
11.4	Work completion				
11.4.1	Submitting Shop drawings including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
11.4.2	Submitting As Built including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
11	Air conditioning system works	
11.1	Air conditioning units	
11.2	Condensate drain system	
11.3	Ventilation system	
11.4	Work completion	
	Total carried to summary	

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
12	<i>Fire protection system works</i>				
	Supply ,install , test & commissioning of fire fighting equipment & accessories according to NFPA standard requirements considering that the equipment shall be UL / FM approved as per below specificatios :				
12.1	Fire pump				
	Supply,install Fire pump set including 1 Run Electric pump (100gpm @ 3.7 bar) + 1 Desiel engine pump standby (100gpm @ 3.7 bar) + 1 jockey pump (10 gpm @ 4 bar) with all valves, strainers, specialities vibration isolator, safety devices, prewired control panel, and other accessories to make up a complete fire pump set all as detailed in drawing and specifications.	Set	1		
Total carried to collection					
12.2	Pipe work				
	Supply , install , test & commissioning of seamless Black Steel pipes (Sch 40) , pipes shall jointed by threading for all sizes from 2inch & smaller & by welding for all pipes bigger than 2 inch including all fittings,accessories, painting,supports, markers, complete, material all as detailed in drawings and specifications				
12.2.1	Ditto 4 inch dia.	L.m.	50		
12.2.2	Ditto 1 1/2 inch dia.	L.m.	10		
Total carried to collection					
12.3	Fire extinguisher				
	Supply , install , test & commissioning of seamless Black Steel pipes (Sch 40) , pipes shall jointed by threading for all sizes from 2inch & smaller & by welding for all pipes bigger than 2 inch including all fittings,accessories, painting,supports, markers, complete, material all as detailed in drawings and specifications				
12.3.1	Ditto Dry Powder (6 Kg)	No.	8		
Total carried to collection					

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
12.4	Fire house real cabinet				
	Supply , install one compartment fire hose cabinet mounted type of , made of steel sheet , painted with electro static powder paint and silk screen printed , one stainless steel door without glass , consist of 30m long x Ø38.1mm hose c/w adjustable nozzle , Ø38.1mm brass angle valve , & Ø38.1mm regulating valve if needed.	No.	3		
Total carried to collection					
12.5	Water tanks				
	Supply & Installation of Insulated GRP Stoarge Tank 16 m3 capacity .for Fire fighting water tank with complete pipe, fittings valves other appartence to complete the system in accordance accordance with drawings and specification.	No.	1		
Total carried to collection					
12.6	Automatic air release valve				
	Supply & Installation of Ø25 automatic air release valve with all accessories according to the drawing, specifications & the approval of the engineer.	No.	1		
Total carried to collection					
12.7	Fire department connection				
	Supply & Installation of fire department connection (FDC) - Ø100mm with cabinet & all accessories as per drawings, specifications & the approval of the Engineer.	No.	1		
Total carried to collection					
12.8	Check valve				
	Supply & installation of Ø100mm cast iron check valve for fire department connection with all accessories as drawings, specification & the approval of the Engineer.	No.	1		
Total carried to collection					
12.9	Work completion				
12.9.1	Submitting Shop drawings including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
12.9.2	Submitting As Built including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
12	Fire protection system Works	
12.1	Fire pump	
12.2	Pipe work	
12.3	Fire extinguisher	
12.4	Fire house real cabinet	
12.5	Water tanks	
12.6	Automatic air release valve	
12.7	Fire department connection	
12.8	Check valve	
12.9	Work completion	
	Total carried to summary	

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
13	Plumbing Works				
13.1	Sanitary fixtures				
13.1.1	Supply & Installation of Porcelain floor mounted W.C white color European type with P-trap Eurobean made or approved equal, Price shall include all fixation and supporting accessories, 6 liter capacity cistern, valves, fittings, hard solid seat with cover and stop angle valves, chrome plated hose of 1m length (GROHE or approved equal), and all other required materials, including connection to drainage & water supply networks, and including angle valve (Grohe or approved equal),all done according to drawings, specification and approval of the Engineer.	No.	11		
13.1.2	Supply & Installation of Porcelain wall mouted wash basin Eurobean made or approved equal of size 600 x 500 mm, the rate shall include fixing galvanized screws, chrome plated P-trap (siphoned) from GROHE or approved equal, with all chrome plated gear mixer & chain waste from Grohe or approved equal complete with all needed fixing accessories, sockets, copper adaptors and angle valves, chrome plated flexible pipe, all to be done as per the drawings, specification and approval of the Engineer.	No.	14		
13.1.3	Supply & Installation of Porcelain Shower head Eurobean made or approved equal of size 880 x 880 mm, the rate shall include fixing galvanized screws, chrome plated P-trap (siphoned) from GROHE or approved equal, with all chrome plated gear mixer & chain waste from Grohe or approved equal complete with all needed fixing accessories, sockets, copper adaptors and angle valves, chrome plated flexible pipe, all to be done as per the drawings, specification and approval of the Engineer.	No.	3		
13.1.4	Supply & Install stainless steel sink for kitchens Eurobean made or approved equal , thickness of 18/10. Price shall include supporting, connection to drain water supply system, stainless steel P trap, chrome plated flexible pipe, angle valve, mixers from Grohe or approved equal. All shall be done according to the drawings, specifications & approval of Engineer.	No.	2		

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
13.1.5	Supplying & Installation of white vitereous china flat back or wall corner type lipped front Urinal basin of standard size as required with automatic flushing cistern with standard flush pipe and chrome plated brass spreaders with brass union and G.I. clamps complete, including painting of fittings and brackets.	No.	3		
Total carried to collection					
13.2	Drainage & storm system				
	Supply & install a complete sanitary sewer drainage system, ready for operation as shown on plan. All installation shall be in accordance with the manufacturers recommendation. The system shall be installed completely with hanger supports, chipping, backfilling, Pipes and fittings , and other required accessores as per drawing and specification.				
13.2.1	Drainage UPVC pipes / Fittings , Sch(80)				
13.2.1.1	160 mm dia.	L.m.	10		
13.2.1.2	110 mm dia.	L.m.	15		
13.2.1.3	75 mm dia.	L.m.	25		
13.2.1.4	50 mm dia.	L.m.	5		
	Supply & install a complete storm (rain water) system, ready for operation as shown on plan. All installation shall be in accordance with the manufacturers recommendation. The system shall be installed completely with hanger supports, chipping, backfilling, Pipes and fittings , and other required accessores as per drawing and specification.				
13.2.2	Drainage UPVC pipes / Fittings , Sch(40)				
13.2.2.1	110 mm dia.	L.m.	20		
13.2.2.2	75 mm dia.	L.m.	25		
13.2.2.3	50 mm dia.	L.m.	45		
13.2.3	Storm UPVC pipes / Fittings , Sch(40)				
13.2.3.1	75 mm dia.	L.m.	75		
Total carried to collection					
13.3	Accessories				
13.3.1	Supply & Installation of Manhole with 600mm x 600mm heavy Dutey cast iron cover , as per Specifications & Details .	No.	6		
13.3.2	Supply, installation Floor drain (FD) including trap Stainless steel heavy duty cover , as specified.	No.	16		
13.3.3	Supply, installation of cast iron Roof Floor drain (RFD) including trap as specified	No.	13		
13.3.4	Supply & Installation of Gully Trap with 400mm x400mm Heavy Duty cast iron cover , as per Specifications & Details .	No.	5		
13.3.5	Supply & Installation of UPVC Vent Cap	No.	3		
Total carried to collection					

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
13.4	Water supply system				
	Supply materials and labour with complete installation of cold water supply system with good quality of pipes, fittings, valves, hangers, supports, brackets and other appurtenances to complete the system in accordance with specification and ready for operation.				
13.4.1	Polypropylene Pipe (PPR-PN20) (COLD WATER)				
13.4.1.1	diameter 50 mm.	L.m.	20		
13.4.1.2	diameter 40 mm.	L.m.	15		
13.4.1.3	diameter 32 mm	L.m.	40		
13.4.1.4	diameter 25 mm	L.m.	40		
13.4.1.5	diameter 20 mm	L.m.	50		
13.4.2	Polypropylene Pipe (PPR-PN20) (HOT WATER)				
13.4.2.1	diameter20mm	L.m.	40		
13.4.3	Water heater				
13.4.3.1	Electrical water heater (EWH) with a capacity of 30 Liters, kwatt electric power,wall mounted, complete including thermal temperature, indicator pressure relief valves and Connections, etc.	No.	11		
13.4.4	Water tanks				
13.4.4.1	Supply & I nstall of Insulated GRP Roof Stoarge Tank 16 m3 capacity .for Domestic water tank with complete pipe, fittings valves other appartence to complete the system in accordance accordance with drawings and specification.	No.	1		
13.4.5	Water pumps, etc				
	Pumps and the like; inclusive of pipework, concrete base, valves and fittings; controls, instrumentation, base frames, vibration isolators, testing and commissioning as specification and drawing.(Groundfos, KSB OR Approved Equal)				

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
13.4.5.1	Booster pump set one working one standby ,pumps, including concrete base complete with base mounting, anti-vibration pads, valves, strainer, flexible connectors, pressure gauge, interconnecting pipe work,control panel, disconnect Switch, power supply, and other accessories , total capacity is Flow 30 GPM ,1 bar.	Set	1		
13.4.5.2	Transfer pump set one working one standby ,pumps, including concrete base complete with base mounting, anti-vibration pads, valves, strainer, flexible connectors, pressure gauge, interconnecting pipe work,control panel, disconnect Switch, power supply, and other accessories , total capacity is Flow 29 GPM , 2 bar.	Set	1		
Total carried to collection					
13.5	Work completion				
13.5.1	Connection of Building sewage line with Government / City Seage line	LS	1		
13.5.2	Connection of Building water supply line with Government / City water supply line	LS	1		
13.5.3	Submitting Shop drawings including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
13.5.4	Submitting As Built including plans, elevation and detail of fixing with structure, submittals & number of copies as per project specifications, for approval of the consultant	L.S	1		
Total carried to collection					

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Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
13	Plumbing Works	
13.1	Sanitary fixtures	
13.2	Drainge & storm system	
13.3	Accessories	
13.4	Water supply system	
13.5	Work completion	
	Total carried to summary	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
14	Site Works				
14.1	Brick Works				
14.1.1	Provide & Build 200 mm thick brick walls in 1:6 mix cement sand mortar for boundary wall	M ²	64		
14.1.2	Provide & Build 200 mm thick brick walls in 1:6 mix cement sand mortar for Security Room.	M ²	36		
	Total carried to collection				
14.2	Concrete Works				
14.2.1	Reinforced Concrete Grade Beams for boundary columns	ML	107		
14.2.2	Reinforced Concrete 20x20 cm columns	ML	42		
14.2.3	RC 2-Flights Ramp as per drawings	JOB	1		
14.2.4	Reinforced Concrete Slab	M ²	11		
	Total carried to collection				
14.3	Pavior Works				
14.3.1	Provide & Lay 60x60 cm Concrete Tiles	M ²	209		
14.3.2	Provide & Lay 60x60 cm Terrazo Tiles	M ²	178		
14.3.3	Provide & lay 60x60 cm unglazed Ceramic tiles of approved quality for Security room floor	M ²	8		
14.3.4	Ditto but Ceramic skirting	M ²	12		
	Total carried to collection				
14.4	Plaster Works				
14.4.1	Provide & Plaster 200 mm thick in 1:6 cement and sand mortar on external boundary walls	M ²	64		
14.4.2	Ditto but on internal boundary walls	M ²	64		
14.4.3	Plaster for Ceiling	M ²	8		
14.4.4	Ditto but for internal Security room walls	M ²	28		
14.4.5	Ditto but for external Security room walls	M ²	35		
	Total carried to collection				
14.5	Painting Works				
14.5.1	Provide & paint 3 coats high quality pomastic paint in white colour or other approved colour to reach smooth finishes for external boundary walls	M ²	64		
14.5.2	Ditto but for internal boundary walls	M ²	64		
14.5.3	Paint for Ceiling	M ²	8		
14.5.4	Ditto but for internal Security room walls	M ²	28		
14.5.5	Ditto but for external Security room walls	M ²	35		
	Total carried to collection				

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Unit	Qty	Rate(USD)	Amount(USD)
14.6	<i>Ironmongery & Joinery Works</i>				
14.6.1	Doors				
	Provide & Fix solid mahogany/ marinti internal and external doors with cladding rebate edge with large frame covering wall width architrave internally & externally with high quality accessories for the following :-				
14.6.1.1	Door type (D07)	No	1		
	Provide and fix Electrically controlled & operated aluminum powder coated gate W/100X50 mm box sections, 50X50 mm hot box sections & 25mm solid circular section for the following:				
14.6.1.2	Gate type (G01)	No	1		
14.6.1.3	Gate type (G02)	No	1		
14.6.1.4	Gate type (G03)	No	2		
14.6.2	Windows				
	Provide & fix single Glazed 6 mm blue reflected glass with grey Aluminium frame				
14.6.2.1	Window type (W06)	No	1		
14.6.2.2	Window type (W07)	No	1		
14.6.3	Steel Works				
14.6.3.1	Provide & Fix 50 mm stainless steel supporting post (tubular section),with 25mm stainless steel balustrade (tubular section) handrail for boundary fence	ML	107		
	Total carried to collection				
14.7	<i>Garden & trees beds works</i>				
	Excavation 1000mm depth for outdoor garden. Provide & lay well fertile soil for the garden. Provide & build 200mm thick Retaining Concrete Walls, for garden boundary walls. Provide & lay 4mm Bituminous Membrane sheets complete with 3coats of bitumen prime coat.	M ²	34.5		
	Total carried to collection				
14.8	<i>Miscellaneous</i>				
14.8.1	Provide & fix 2000 mm length wheel stopper	NO	6		
14.8.2	Marking on asphalt made with white acrylic based road marking	ML	25		
	Total carried to collection				

SOUTH SUDAN

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Collection</i>	
14	Site Works	
14.1	Brick Works	
14.2	Concrete Works	
14.3	Pavior Works	
14.4	Plaster Works	
14.5	Painting Works	
14.6	Ironmongery & Joinery Works	
14.7	Garden & trees beds works	
14.8	Miscellaneous	
	Total carried to collection	

Bills of quantities should be read in Conjunction with Specifications and drawings.

Item	Description	Amount(USD)
	<i>Summary</i>	
1	Excavation & Earth works	
2	Concrete works	
3	Brick Works	
4	Water proofing Work	
5	Pavior Works	
6	Plaster Works	
7	Paint & Cladding Works	
8	Ironmongory & Joinery Works	
9	Electrical Works	
10	Communication system works	
11	Air conditioning system works	
12	Fire protection system works	
13	Plumbing Works	
14	Site Works	
	Total	