

ITEM	DESCRIPTION	UNIT	DIMENSION			QUANTITY		RATE UGX	AMOUNT (UGX)
			Length	Width	Depth	Partial	Total		
GENERAL SUMMARY									
1	PRELIMINARIES								3.000.000
2	SUBSTRUCTURE								91.888.894
3	FRAME								76.417.793
4	ROOF								95.701.820
5	WALLS & CEILING								81.391.500
6	DOORS & WINDOWS								3.815.000
7	FINISHES								86.589.120
8	SPLASH APRON								13.858.940
9	PLUMBING & DRAINAGE INSTALLATIONS								16.357.000
10	PROVISIONAL WORKS								5.500.000
11	ELECTRICAL WORK								32.984.000
SUB TOTAL									507.504.067
<i>Add 5% Contingency</i>									-
GRAND TOTAL									507.504.067
PRELIMINARY WORKS									
ELEMENT No 1									
A	Mobilisation of plant, equipment, temporary works, personnel, etc.	item							1.000.000
B	Hoarding site	item							2.000.000
TOTAL TO GENERAL SUMMARY									3.000.000
ELEMENT No 2									
SUBSTRUCTURE									
2,1 Site Preparation									
2.1.1	Clear site of bush and under growth, cut down and clear away small trees not exceeding 300mm girth, grub up roots approx. area 305m ²	m ²	39,00	31,00			1.209	800	967.200
2.1.2	Cut down and clear away big trees over 600-900mm girth, grub up their roots and hand over to the client	no					4	100.000	400.000
2.1.3	Excavate oversite to remove top soil average 250mm thick and remove from site.	m ²	33,00	24,00			792	1.000	792.000
2.1.4	Treat surface of subsoil or fillings and surroundings with approved chemical anti-termite solution: provide ten year guarantee.	m ²					1.573	1.500	2.359.768
	strip foundation		243,81	3,69		900			
	structural column pads		4,80		1,50	130			
	surfaces of hardcore		1,20	1,20		26			
						518			
2,2 Excavation and Earthworks.									
Note: Rates for excavation to include for keeping excavations free from water and planking and strutting to sides of excavations									
	Excavate oversite to reduce levels	m ³	792,00		0,30		238	8.000	1.900.800
2.2.2	Excavate trenches for wall foundations: commencing from reduced levels: not exceeding 1.5m deep .	m ³	242,89	0,69	1,50		251	12.000	3.016.694

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2.2.3	Excavate for columns foundations: commencing from reduced levels: not exceeding 1.5m deep .	m ³	1,20	1,20	1,50		39	12.000	466.560
2.2.4	Extra over for rock	m ³					14,51	25.000	362.839
	Disposal of excavated material								
2.2.5	Return, fill and ram selected excavated materials around foundations in 150mm layers and compact to 98% MDD.	m ³					170	20.000	3.400.000
2.2.6	Load, cart, deposit, spread and level surplus excavated material where directed on site.	m ³					125	10.000	1.250.000
2,3	Hardcore								
2.3.1	200mm filling: deposit, spread, level and compact: 25mm selected quarry dust blinding.	m ²					518	7.500	3.885.000
	In situ concrete class 15/ 20mm aggregate as described.								
2.3.2	100mm blinding layer: under strip foundations	m ²	242,89	0,69			168	25.000	4.189.853
2.3.3	100mm blinding layer: under columns foundations	m ²	1,20	1,20			26	25.000	648.000
TOTAL ELEMENT No. 2 (SUBSTRUCTURE) TO COLLECTION									23.638.714
	In situ concrete class 20/20mm: vibrated, reinforced as described								
2.3.4	100mm thick ground floor slab tamped to fabric reinforcement	m ²					569	30.000	17.070.000
	Mesh fabric reinforcement reference A 66: weighing 1.18kg per square meter: 200mm laps.								
2.3.5	In surface beds	m ²					569	8.500	4.836.500
	Sawn formwork as described to:								
2.3.6	Vertical edges of surface bed: over 75mm but not exceeding 150mm high.	m					108	15.000	1.620.000
	Ordinary brick walling in cement and sand (1:4) mortar as described.								
2.3.7	230mm thick walling.	m ²	242,89		1,50		364	50.000	18.216.750
	Sundries								
2.3.8	One layer 1000 gauge polythene sheet damp proof membrane: Under bed: 300mm laps.	m ²					569	3.500	1.991.500
	Stub column								
	In situ concrete class 25/20mm: vibrated, reinforced as described								
2.3.9	100mm thick to footing in strip	m ³	242,89	0,69	0,10		17	450.000	7.541.735
2.2.10	200mm thick to footing column bases	m ³	1,20	1,20	0,20		5	450.000	2.332.800
2.3.11	column	m ³	0,23	0,23	1,50		3	450.000	1.499.715
2.3.12	ground beam	m ³	108,00	0,23	0,23		6	450.000	2.570.940

ITEM	DESCRIPTION	UNIT	DIMENSION			QUANTITY		RATE UGX	AMOUNT (UGX)
			Length	Width	Depth	Partial	Total		
2.3.13	Mild steel rod reinforcement to BS 4461 as described. 8mm Ø bar	kg	0,88				175	4.500	788.357
	8mm Ø bar ground beam	kg	0,88				209	4.500	938.520
2.3.14	High yield tensile steel bar reinforcement to BS 4449 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacing blocks. 16mm Ø bar vertical	kg	2,10				239	4.500	1.075.032
	16mm Ø bar horizontal	kg	1,70				677	4.500	3.045.924
2.3.16	12mm Ø bar vertical	kg	2,10				177	4.500	798.336
2.2.17	12mm Ø bar horizontal	kg	0,43				91	4.500	408.672
2.2.18	12mm Ø bar ground beam Sawn formwork as described to:	kg	120,00				422	4.500	1.900.800
2.3.19	Sides of column	m ²		0,23	1,50		58	15.000	869.400
2.3.20	sides of ground beam	m ²	108,00	0,23			50	15.000	745.200
TOTAL ELEMENT No. 2 (SUB-STRUCTURE) TO COLLECTION									68.250.180
COLLECTION COLLECTION			PAGE 3						23.638.714
			PAGE 4						68.250.180
TOTAL ELEMENT No. 2 (SUBSTRUCTURE) CARRIED TO SUMMARY									91.888.894
ELEMENT No. 3 FRAME									
3	In situ concrete class 25/20mm: vibrated, reinforced as described								
3,1	beams (structural)	m ³	136,02	0,23	0,45		14	450.000	6.335.132
3,2	Ring beam (external)	m ³	156,00	0,23	0,23		8	450.000	3.713.580
3,3	Ring beam (internal)	m ³	28,76	0,15	0,15		1	450.000	291.195
3,4	columns	m ³					9	450.000	3.907.829
	structural		0,23	0,23	2,95	3			
	ordinary		0,23	0,23	3,20	4			
	first floor 1		0,23	0,23	1,80	1			
	first floor 2		0,23	0,23	3,19	1			
first floor 3	0,23	0,23	0,72	0,2					
3,5	Mild steel rod reinforcement to BS 4461 as described. 8mm Ø bar	kg					972	4.500	4.373.148
	beams (structural)		1,42			383			
	Ring beam (external)		0,88			271			
	Ring beam (internal)		0,56			32			
	columns		0,88	164,16		286			
3,6	High yield tensile steel bar reinforcement to BS 4449 as described including cutting to lengths, bending, hoisting and fixing including all necessary tying wire and spacing blocks. 16mm Ø bar	kg	136,02				1.297	4.500	5.835.666
	12mm Ø bar	kg	348,92				1.228	4.500	5.526.893

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	Sawn formwork as described to:								
3,8	Sides and soffites of beams	m ²	136,02	0,23	0,50		31	15.000	469.269
3,90	vertical sides of columns	m ²	164,16	0,23			151	15.000	2.265.408
3,10	edges of slab	m	67,88				68	5.000	339.400
	sides and soffites of ring beams	m ²	184,76	0,23	0,23		127	15.000	1.912.266
3,11	HOLLOW BLOCK CONSTRUCTION 225mm Thick composite suspended slab consisting of reinforced concrete Class 25 in 50mm topping: 120mm wide ribs at 425mm centers: MAXPAN size 400mm long x 390mm wide x 175mm high including filling 195mm wide ends of composite slabs with Concrete Class 25	m ²					253	155.000	39.215.000
TOTAL ELEMENT No. 3 (FRAME) TO COLLECTION									74.184.785
	STAIRCASES AND BALUSTRADING								
	CONCRETE WORK								
	VIBRATED REINFORCED CONCRETE CLASS 25; 20MM AGGREGATE : IN								
3,12	Beams	CM					1	450.000	450.000
3,13	Staircases	CM					1	450.000	450.000
3,14	200mm Thick horizontal suspended landings	SM					2	110.000	165.000
	Steel reinforcement as described including cutting to length, bending, hoisting and fixing and including all necessary tying wire and spacing blocks								
	HIGH TENSILE RIBBED BARS TO BS 4449								
3,15	8mm Ditto	KG					6	4.500	27.000
	HIGH TENSILE RIBBED BARS TO BS 4449								
3,16	10mm Diameter bars	KG					15	4.500	67.500
3,17	12mm Diameter bars	KG					47	4.500	211.500
	FORMWORK to:-								
3,18	Soffites of suspended landing	SM					2	15.000	30.000
3,19	Sloping soffites of staircase	SM					5	15.000	75.000
3,20	Sides and soffits of beam	SM					4	15.000	60.000
3,21	Risers of steps 150 to 225mm high	LM					12	4.180	50.160
3,22	Edges of landing 150 - 225mm high	LM					4	4.180	15.048
3,23	Open string edge of staircase 344mm (extreme) including cutting to profile of treads and risers.	LM					12	7.600	91.200
	FINISHES								
	CEMENT AND SAND (1:4) SCREEDS : finished to receive floor tiles								
3,24	40mm Thick: to receive porcelain tiles on Landing	SM					3	65.000	195.000
3,25	Ditto on Treads 300mm wide	LM					3	8.000	24.000
3,26	Ditto on Risers 150mm high	LM					3	8.000	24.000
	SUPPLY AND FIX; 300 x 300 x 10mm THICK PORCELAIN FLOOR TILES AS " RAK CERAMICS SUPPLIED BY RAK CERAMICS UGANDA LTD" or equal approved: bedded and jointed in approved adhesive : pointed with approved coloured cement : as per Architect's detailed finishes schedule to								
3,27	Landing	SM					3	65.000	195.000
3,28	Treads 300mm wide ribbed with anti-slip grooves	LM					3	34.200	102.600
TOTAL ELEMENT No. 3 (FRAME) TO COLLECTION									2.233.008
	COLLECTION		page 5						74.184.785
	COLLECTION		page 6						2.233.008

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	TOTAL ELEMENT No. 3 (FRAME) TO GENERAL SUMMARY								76.417.793
	ELEMENT No. 4 ROOF								
	Roof Structure & Covering								
	The following in roof construction including hoisting and fixing approximately 3.5m above ground level.								
	Mild steel roof painted with anti-rust compound:-								
	The following in 8 No. Trusses of 8.4m span and 2.6m rise								
4,1	100 X 50 X 2mm Z purlins	m				842	20.000		16.840.000
4,2	RHS 60 x 40 x 3mm strut /tie	m				627	20.000		12.540.000
4,3	RHS 80 x 40 x 3 mm tie beam	m				346	25.000		8.650.000
4,4	RHS 80 x 40 x 3mm rafters	m				689	25.000		17.225.000
4,6	150 x 30x 1.5mm metal fascia boards	m				155	18.000		2.790.000
4,7	8 mm base plate anchor with J bold	Item				1			2.500.000
4,8	Roof Covering								
	Iron sheet								
4.8.1	G:28 Prepainted galvanised iron sheet fixed with self tapping screws	m ²					809	42.000	33.986.820
	Operating ROOMS		38,00	8,80		334			
	Changing areas and stores		32,00	12,00		384			
	varenda		15,50	3,10		48			
	patients waiting room		4,60	3,50		16			
4.8.2	veranda front		6,20	4,30		27			
4.8.3	Half round ridge	m				53	15.000		795.000
4.8.4	Half round Valley	m				25	15.000		375.000
	TOTAL ELEMENT No. 4 (ROOFING) TO GENERAL SUMMARY								95.701.820
	ELEMENT No. 5 WALLS								
5,1	9" interlocking brick walling beded in cement and sand mortar (1:4) mix								
5.1.1	230mm thick walling.	m ²	86,00	3,20		275	270	95.000	25.669.000
	gable end less openings					60			
						65			
	Brick walling beded in cement and sand mortar (1:4) mix								
5.1.2	230mm thick walling.	m ²	81,00	3,20		259	230	50.000	12.960.000
	less openings	m ²				29			
5.1.3	150mm thick walling.	m ²	80,00	3,20		256	231	30.000	7.680.000

ITEM	DESCRIPTION	UNIT	DIMENSION			QUANTITY		RATE UGX	AMOUNT (UGX)
			Length	Width	Depth	Partial	Total		
	less openings					25			
5,2	<u>Damp proof courses: hessian based bituminous felt: bedded in cement and sand (1:4) mortar: 300mm laps.</u>								
5.2.1	Horizontal: 150mm wide	m					54	3.500	189.000
5.2.2	Horizontal: 230mm ditto	m					73	3.500	255.500
5,3	Ceiling								
5.3.1	10mm Ø bar	kg					1.680	4.500	7.560.000
5.3.2	Welded mesh gauge 12	m ²					661	15.000	9.915.000
	changing rooms,stores ,waiting room & verander side verander Dirty corridor first floor						261 48 64 288		
5.3.3	Galvanised metal lathing fasten to the iron bar	m ²					661	10.000	6.610.000
5.3.4	<u>15mm two coat 1:2:9 lime plaster to:</u> Ceiling trowelled hard and smooth	m ²					914	10.500	9.597.000
5.3.5	Extra over for finish on cornices	m					270	2.800	756.000
5.3.6	Extra over for 600mmx600mm trap door	no.					2	100.000	200.000
TOTAL TO SUMMARY									81.391.500
ELEMENT No.6									
DOORS & WINDOWS (NOMINATED SUB-CONTRACTOR)									
WINDOWS									
6,1	<u>Purpose made aluminium casement windows: frame, 5mm thick glass and locking mechanism</u>								
6.2	Size 1000 x 1550mm high side hung , internal	no					13	-	-
	<u>Fix mild steel windows frame ,anodised aluminium frame apainted with 4mm thick and 150mm wide clear glass louvures: plugged and screwed in to walling :one coat red oxide primer before delivering with mosquito screen- LABOUR ONLY</u>								
6.3	ditto, but 1000mm x 2000mm	no					17	50.000	850.000
6.4	ditto, but 600mm x 750mm	no					2	30.000	60.000
6.5	ditto, but 2500mm x 2000mm	no					1	50.000	50.000
6.6	ditto, but 1800mm x 2000mm	no					3	50.000	150.000
6.7	ditto, but 1000x 1200mm (first floor)	m ²					4	50.000	200.000
Roof vent									
6.8	metal louvurs including mosquito screen	m ²					12	15.000	180.000
6,9	Window cills								
6.11	300mm x 75mm granite plates.	m ²					31	75.000	2.325.000

ITEM	DESCRIPTION	UNIT	DIMENSION			QUANTITY		RATE UGX	AMOUNT (UGX)
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DOORS									
6,12	<u>Purpose made aluminium casement doors including door frames</u>								
6,13	Size 2000mm x 2100mm high door, D1-double shutter	no					1		-
6,14	Size 1600mm x 2100mm high door, D2-double shutter	no					4		-
6,15	Size 1300mm x 2100mm high door, D3-double shutter	no					8		-
6,16	Size 2400mm x 2100mm high door, D4-double shutter	no					1		-
6,17	size 1000 x 2100mm high, D5	no					13		-
6,17	ditto, but 900 x 2100mm high, D6	no					1		-
6,18	ditto, but 800 x 2100mm high, D7	no					2		-
6,19	Door closures (industrial type)	no					16		-
TOTAL ELEMENT No. 6 (DOOR & WINDOWS) CARRIED TO SUMMARY.									3.815.000
ELEMENT No. 7 FINISHES									
7,1	Floor Finishes								
<u>Cement and sand (1:4) screeds and pavings: one coat: steel trowel finish: laid on concrete</u>									
7.1.1	25mm thick floor screed	m ²					569	12.500	7.112.500
7.1.1	25mm thick under side of slabs	m ²					253	12.500	3.162.500
7.1.2	Apply Antimicrobial, thermo-sealed, self levelling, jointless epoxy "everlast" or "Boysen Acqua Epoxy" or "equivalent", a two component water based acrylic Epoxy flooring according to strict application of manufacturers specifications. Color should be approved by the Architect upon the requirements of color usage in Operation theaters	m ²					407	80.000	32.560.000
7,2	Floor Tiles								
<u>300 x 300 x 6mm thick glazed floor tiles: bedded on and including cement and sand (1:4) backing: changing rooms , side corridor, front verandahs ,waiting room and dirty corridor</u>									
7.2.1	changing rooms , side corridor, front verandahs ,waiting room and dirty corridor	m ²					162	65.000	10.530.000
7.2.2	Granite top 600x3000mm for worktops	m					7	450.000	3.150.000
7,3	Wall Finishes								
<u>Cement and sand (1:4) render: trowelled rough: on brick walling</u>									
7.3.2	wall tiles in wash areas toilets scrubs less opening	m ²	14,00 10,40		1,80 0,60	25 6 -3	29	28.000	799.120
<u>Cement and sand (1:4) plaster: trowelled smooth: on brick walling</u>									

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7,4	18mm to walls. Painting (using Sadolin Paint) <i>One undercoat and three finishing coats to:</i>	m ²					1.402	10.500	14.721.000
7.4.1	Surfaces of walls internally (Emulsion)	m ²					1.439	9.500	13.670.500
7.4.3	Surfaces of fascia boards (Gloss)	m ²					93	9.500	883.500
TOTAL ELEMENT No. 7 (FINISHES) CARRIED TO SUMMARY.									86.589.120
8,2	SPLASH APRON:								
8.2.1	Excavate trenches for splash apron wall: not exceeding 0.6m deep .	m ³	117,04	0,69	0,60		48	8.000	387.636
8.2.2	230mm thick brickwork to sides of apron	m ²	117,04		0,80		94	50.000	4.681.600
8.2.3	100mm thick murrum fill to make up levels	m ²	117,04	1,00			117	20.000	2.340.800
8.2.4	100mm thick 1:3:6 mass concrete slab	m ²	117,04	1,00			117	35.000	4.096.400
8.2.5	25mm thick 1:3 cement sand screed	m ²	117,04	1,00			117	12.500	1.463.000
8.2.6	15mm 1:3 cement sand plaster to sides	m ²	117,04		0,80		94	9.500	889.504
TOTAL ELEMENT No. 8 (FIXTURES & SPLASH APRON) CARRIED TO SUMMARY									13.858.940
ELEMENT No. 9 PLUMBING & DRAINAGE INSTALLATIONS									
9,1	Excavation works								
9.1.1	Trench excavation , 600x800mm deep trench including leveling bottoms with sand	m ³					85	9.000	765.000
9.1.2	Excavation of pits for manholes	no	0,80	0,80	1,00		6	30.000	192.000
9,2	Pipe works & drainage								
9.2.1	100mm diameter heavy waste drain pipes including all joints, bents, connections & laying in place	m					85	20.000	1.700.000
9.2.2	Manhole constructions including concrete inspection cover	no					10	250.000	2.500.000
9.2.3	Construction of gully traps including covers and gratings	no					3	100.000	300.000
9.2.4	provide water pipes, fittings, valves & taps	item					1	2.000.000	2.000.000
9,3	Sanitary appliances								
9.3.1	supply, install and set to work seating toilet pans including all plumbing fittings and fixtures to engineers' specification.	no					2	1.200.000	2.400.000
9.3.2	supply, install and set to work wash hand sink including all plumbing fittings	no					6	450.000	2.700.000
9.3.3	supply, install and set to shower tray in bathrooms including all plumbing fittings .	no					2	200.000	400.000
Gutters									
9.3.4	150mm diameter pvc gutters fixed on faciaboard at 600mm centers	m					80	30.000	2.400.000
9.3.5	75mm down pipes complete with accessories	m					50	20.000	1.000.000
TOTAL ELEMENT No. 9 (PLUMBING & DRAINAGE) CARRIED TO SUMMARY									16.357.000

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ELEMENT No. 10									
PROVISIONAL WORKS									
10,1	Provide a provisional sum of 1,500,000 for external works and beautification								1.500.000
10,2	Provide a provisinal sum of UGX 1,000,000 for the writing at the entrance of the theater								1.000.000
10,3	Provide a provisinal sum of UGX 3,000,000 for installing metal screen for changing room verandah								3.000.000
TOTAL ELEMENT No. 10 (PROVISIONAL SUM) CARRIED TO SUMMARY									5.500.000
ELEMENT No 11									
Electrical work									
Conduit work									
11,01	Conduit pipes complete with the bends and connectors of 25mm x3000mm of heavy duty fitted in the slap wall with proper joints and connection points eliminatina blockaae	No					260	8.000	2.080.000
11,02	Conduits for 32mm x3000mmheavy duty sealed in the wall linking main distributors and sub main distributors	m					2	14.000	28.000
11,03	Mk for single of 75x75mm mounted flash on thewall	No					30	2.000	60.000
11,04	Mk for double pole flash on the wall	No					40	3.000	120.000
Power Supply Distribution									
11,05	Sub Main Distributor of6 ways 3 phase complete with c/bs of din rail mounted type and isolators of 100A curent rating of HAVELS or any approved splash in the wall	Item					1	600.000	600.000
11,06	25mm2 Pvc copper insulated cable of single core red of shule type or any approved one drawn in 32qmm conduit	m					60	30.000	1.800.000
Fittings									
11,07	16W LED flourescent tube t8 complete with the fittings and fitted up and terinated in a circular box	No					58	80.000	4.640.000
	Florecent fittings with difussors incl: 4Ft T8 LED tube of 230Vac,50Hz	No					16	100.000	1.600.000
11,1	Ceiling fitting s complete with glass cover (standard round fittings)and alluminium casing or equaly aproved	No					23	40.000	920.000
11,11	Ceiling fittings for the Washrooms complete with glass cover and moisture proof all wired to a working condition	No					13	60.000	780.000
11,12	Swiches of single pole and two ways as compatible with mk boxes						28	9.000	252.000
11,13	switches for two poles and two ways as compatible with mk boxes						10	8.000	80.000
11,14	Socket out let of two pole as compatible with mk boxes wired to a working condition and earthed						46	19.000	874.000

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	TOTAL ELEMENT No. 11 (ELECTRICALS) CARRIED TO COLLECTION								13.834.000
	Cabling								
11,15	All lighting point wired with Pvc Conductor of 1,5qmm single core type drawn in a conduit and will terminated	m					1.700	1.500	2.550.000
11,16	All sockets outlet wired in a Pvc Conductor of 2,5qmm single core type and well terminated in a ring formate.	m					1.200	2.500	3.000.000
11,17	PVC Conductors of 25qmm Red drawn in	m					30	18.000	540.000
11,18	Black						30	18.000	540.000
11,19	Yellogreen						30	18.000	540.000
11,2	Mounded boxes of 100x100 mm fitted in the ccealing board and termination made in it						50	10.000	500.000
11,21	Strip conector of 30A max current rating	bars					30	6.000	180.000
11,23	Metel Encloser of 500x400mm IP 65 complete with din rail connectors mounted in the wall	NO					1	500.000	500.000
11,24	Allow a provisional sum of 1,900,000 Earthing of the electrical systems including all extrenous conducting parts of the installation and earth pits dug dip or long earthing provided to give a low resistance as 5ohms below,minimum earthlead diameter should be 25mm2 and the termination sealed with antimoist tape	item					1	1.900.000	1.900.000
12,25	Allow a provisional sum of 6,400,000 for Lightning arrester complete with the air terminal and base of either a earthrod or a copeer mat or equLY APROVED BASE all connected and properlycliped,well testing joint provided to a working condition	item					1	6.400.000	6.400.000
11,26	Transport of materials and mobilisation						1	1.200.000	1.200.000
11,27	Trench Excavation for laying the underground cable,back filling	CM					50	15.000	750.000
11,27	Sub Main Power distributor 6way Havel	No					1	550.000	550.000
	TOTAL ELEMENT No. 11 (ELECTRICALS) CARRIED TO COLLECTION								19.150.000
	COLLECTION		PAGE 14						13.834.000
	COLLECTION		PAGE 15						19.150.000
	Sub- total (Electrical Installation C.F to Summary Sheet)								32.984.000