

CLIENT:
CHINA ROAD AND BRIDGE CORPORATION

PROJECT:
EDIFICATIONS NEW CAIO_CABINDA PORT

PROCESS N.º:
211101

PHASE:
EXECUTION

SPECIALITY:
FOUNDATIONS AND STRUCTURE

REVISION:
R00

DESIGNED BY:
CARLOS GAIÃO

CHECKED BY:
LUIS CARRUJO



Item	Designation	Unid.	Quant.	Unit price. (akz)	Total price (akz)
	NOTE: Implementation of works, supplies and assemblies, according to written and drawn pieces, project specifications, Regulations and Standards. including all necessary additional works and supplies.				
1	EXCAVATIONS				
1.1	General excavation with 10cm depth, for the creation of work platforms.	m3	26.10		
1.1	Excavation on the ground floor and excavations for foundations.	m3	263.97		
1.2	Mechanical landfill in foundations, with compression of the excavating soils (max. thickness 0,20m) - to 90% of the value of the modified Proctor and optimum water content +/-1 %.	vg	1.00		
2	TRUE DEVELOPMENT				
2.1	Execution of gravel (type 2) layer, with 0.30m thikness, compacted, and acquired by mechanical crushing.	m3	54.35		
2.2	Supply and execution of 150g/m2 density Geotextile blanket.	m2	181.16		
2.3	Supply and execution of waterproof plastic mesh with 1.00mm thick with 250g/m2 density.	m2	181.16		
2.4	Mortar in ground floorings with 0.05m tickness, in concrete of the class C20/25 (XC2), with hydrophug additive type "sika plastocrete 05", AQ50 electro-welded double mesh armor (#Ø5//0.10).	m2	181.16		
3	FORMWORK				
3.1	Formwork for buried element				
3.1.1	Footing	m2	68.40		
3.1.2	Beam foundation	m2	120.18		
3.2	Formwork for unburied elements				
3.2.1	Pillars	m2	129.08		
3.2.2	Beams	m2	360.82		
3.2.3	Floor slab	m2	331.45		
3.2.4	Stairs	m2	14.35		
3	CONCRETE				
3.1	Concrete C12/15, in regularization under foundations elements, with 0.10m width.				
3.1.1	Footing	m3	16.86		
3.1.2	Beam foundation	m3	4.01		
3.2	C35/45 Beton in separate elements.				
3.2.1	Footing	m3	42.17		
3.2.2	Beam foundation	m3	39.31		
3.2	Concrete C30/37 in structural elements.				
3.2.5	Pillars	m3	9.92		
3.2.6	Beams	m3	44.83		
3.2.7	Floor slab	m3	53.03		
3.2.8	Stairs	m3	2.35		

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4	REINFORRCEMENT				
4.1	Steel A 500 NR, in reinforced concret elements.				
4.1.1	Shoes	kg	1545.88		
4.1.2	Aluminum lintel	kg	2032.83		
4.1.3	Pillars	kg	2298.00		
4.1.4	Beams	kg	4275.00		
4.1.5	Laje do piso	kg	7412.00		
4.1.6	Stairs	kg	204.00		
5	DIVERS				
5.1	Protection of buried faces				
5.1.1	Waterproofing painting system in burried faces Type "SIKATOP 107"	vg	1.00		