

ARCENCIAEL - CENTRE DAMOUR

BOQ RAMP TO B2 - EXECUTION WORKS

Mitigate the impact of food insecurity in local communities by strengthening the capacities of local producers

Item	Description	Qty	Unit	Unit Rate	Amount US\$
01	<u>GENERAL REQUIREMENTS</u>				
	<u>Rates for earthworks shall include for the following:</u>				
	Clearing the site of all debris, rubbish etc., prior to the commencement of work. All kinds of Excavation in any ground and material including fill, rock to any depth. Trimming, levelling, ramming bottom of excavation, earthwork support and keeping excavations free of water Loading, transporting and carting away unwanted materials. Importing to site all selective materials to a tip to be provided by the Contractor				
	<u>Rates for concrete shall include for the following:</u>				
	Pouring, placing, vibrating and packing between formwork and around reinforcing steel. Curing and sprinkling. Forming grooves, throats, holes chases, rebates, chamfers, splayed angles, mouldings and the like other than for fairfacing. Provision for all necessary sleeves, openings, embedded conduits or boxes as required prior to pouring of concrete. Samples and mockup. And tests				
	<u>Rates for reinforcing steel shall include for the following:</u>				
	Bending, tying wires, distance pieces and spacers. Cutting and waste. Shop drawings. Transport Samples and tests				
	Reinforcing steel weights shall be measured in accordance with the weights per meter length of bars as published by British Steel.				
01-A	The contractor should provide a surveyor to prepare and submit topographic drawings prior execution and to submit final executed as built drawings,	Lsum	1		\$ -
01-B	The contractor should provide or needed equipments for this kind of works	Lsum	1		\$ -
01-C	The contractor should provide TPL, CAR & Labors insurance	Lsum	1		\$ -
01-D	The contractor should provide Safety requirements ISO 45001:2018 related OH&S (Occupation health and Safety)	Lsum	1		\$ -

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Item	Description	Qty	Unit	Unit Rate	Amount US\$
02	<u>SITE WORKS</u>				
	<u>Demolition Works</u>				
	<i>Cut, Remove and Cartaway concrete wall at basement 2 level including cart away all debris and gravels and the adjustment of edges, plastering and painting and all needed requirement, taking into consideration all needed precautions</i>				
02-A	Cut concrete wall overall dimension 4000x2800mm	U	1		\$ -
	<u>Excavation</u>				
	<i>Allow for excavation in any soil and rock; including but not limited to fill material, sands and clays, marly or marly limestone, shale rock. Include removal of all excavated material off site and legal disposal of this material; as per the specifications and drawings</i>				
02-B	Minor excavation in order to clean and prepare the soil to receive the blinding concrete	Lsum	1.0		\$ -
	<u>Backfilling</u>				
	<i>Backfill backfilled faces of retaining walls, wing walls, and abutments with permeable backfill; include all necessary equipment and material; as per the specifications and drawings</i>				
02-C	Permeable backfill to backfilled faces of retaining walls; gravel including compaction each 40 cm height	Lsum	1.0		\$ -
	<u>Untreated Aggregate Courses</u>				
	<i>Supply and Construct one or more courses of aggregate on prepared surface; include compaction and all necessary material; as per the specifications and drawings</i>				
02-D	Untreated aggregate for sub base 200 mm depth	M2	70		\$ -
02-E	Untreated aggregate for subcourse 100 mm depth	M2	70		\$ -
	<u>Dust Palliative</u>				
	<i>Allow for furnishing and applying of dust palliative on a prepared surface; include all necessary material; as per the specifications and drawings</i>				

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Item	Description	Qty	Unit	Unit Rate	Amount US\$
02-F	Dust paliative on prepared surface - Emulsified Asphalt <u>Hot Asphalt Concrete Pavement</u> <i>Allow for hot-mix asphalt concrete paving; include binder and wearing courses, compaction and all necessary material; as per the specifications and drawings</i>	M2	70		\$ -
02-G	Bituminous wearing course; thickness = 50mm	M2	70		\$ -
03	<u>REINFORCED CONCRETE WORKS</u> <u>Blinding for Retaining Walls</u> <u>Supply and pour concrete having a 28 day minimum compressive strength of 17.5 MPa; as per the specifications and drawings</u>				
03-A	Blinding beneath walls foundation; Thickness = 100mm	M3	9.0		\$ -
03-B	Blinding beneath Loading area slab on grade ; Thickness = 100mm	M3	3.5		\$ -
03-C	Blinding beneath Ramp ; Thickness = 100mm <u>Retaining Walls</u> <i>Supply and pour concrete having a 28 days minimum compressive strength of 28 Mpa; include labor, formwork, and all necessary material and accessories; as per the specifications and drawings</i>	M3	11.5		\$ -
03-D	Foundation for the retaining walls including step footings	M3	29.0		\$ -
03-E	Retaining walls at Loading area (include wheep holes)	M3	4.0		\$ -
03-F	Retaining Wall at Ramp area including wheep holes	M3	12.5		\$ -
03-G	Retaining Wall at Asphalted area including wheep holes	M3	18.5		\$ -
03-H	PVC Pipe of diameter = 50mm (wheep holes)	Lsum	1.0		\$ -
03-J	Slab on Grade at Loading area	M3	7.0		\$ -
03-K	Ramp Slab	M3	16.5		\$ -
03-L	Tie Beams 300x300 mm <u>Steel Reinforcement for Retaining Walls, footings and Slabs</u> <i>Supply, cut to size, fabricate, hoist and install reinforcement steel to concrete structures; including placement into forms, tie wires, cut and waste complete including labour, and all necessary material; as per the specifications and drawings</i>	Lm	18.0		\$ -

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Item	Description	Qty	Unit	Unit Rate	Amount US\$
03-M	New billet deformed steel bars (Grade 60; fy = 420 MPa minimum)	Ton	13.0		\$ -
08	<u>DOORS and WINDOWS</u> <i>Supply and install steel rolling shutter gate at the basement 2 level to replace the broken wall including all accessories, reinforcement, electrical motors, sensors, connections to main panels</i>				
08-A	Rolling Shutter for Basement 2 entrance overall dimension 4000x 2700mm	U	1.0		\$ -
15	<u>MECHANICAL WORKS</u> <i>Supply and Install new concrete pipe 30 cm diameter for Drainage to be connected to the existing pipe under the new asphalted area</i>				
15-A	Extension for Concrete Drainage Pipe	Lm	6.0		\$ -
COLLECTION					\$ -