

ARCENCIEL - CENTRE DAMOUR

BOQ RE-DISTRIBUTION For BASEMENT 2 and 2nd FLOOR

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

Item	Description	Unit	Qty	Unit Rate	Amount US\$
01	<u>GENERAL REQUIREMENTS</u>				
01-A	The contractor should provide or needed equipments for this kind of works	Lsum	1		\$ -
01-B	The contractor should provide TPL, CAR & Labors insurance	Lsum	1		\$ -
01-C	The contractor should provide Safety requirements ISO 45001:2018 related OH&S (Occupation health and Safety)	Lsum	1		\$ -
BASEMENT 2					
02	<u>SITE WORKS</u>				
	<i>DEMOLITION WORKS</i>				
02-A	Cut, remove and cartaway existing masonry walls hatched on drawings taking into consideration the relocation of the switches and sockets , the presence of the SDB of basement 2	M2	15		\$ -
02-B	Cut remove and cart away existing screed 100mm height hatched on drawings	M2	6.5		\$ -
02-C	Remove and cart away existing false ceiling in Laboratory Micro Bio including the dismantling of existing lighting , fire detectors, grills and others to be reused	M2	110		\$ -
02-D	Remove and Store existing window W01 & W02 at Micro Bio Laboratory to be re used after adjustment to fit the new partition as per drawings taking into consideration all needed protection	U	2		\$ -
02-E	Cut and Adjust existing resine tables and steel bases in Micro Bio Laboratory to fit with the new partition as per drawings taking into consideration all needed protection	U	1		\$ -
03	<u>CONCRETE WORKS</u>				
	<i>Supply, Cast and Pour new reinforced concrete screed as per drawing including all steel reinforcement,formeworks, anchoring and smooth finishing</i>	M2	2.5		\$ -
03-A	Supply, Cast and Pour new concrete lintel for new Laundry area	Lm	1.5		\$ -
03-B	Supply, Cast and Pour new concrete lintel for the new connecting door	Lm	1.5		\$ -
04	<u>MASONRY WORKS</u>				

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
04-A	<i>Supply and erect New Masonry wall 100mm thick to be connected to existing masonry walls including Galvanised accessories corners, meshes and others as per drawings</i> Masonry Wall at Laundry area	M2	10		\$ -
08	<u>DOORS AND WINDOWS</u>				
	<i>ALUMINUM DOORS AND WINDOWS</i>				
	<i>Supply and install powder coated aluminum doors & windows; include frames, angles, channels, cover joints, mullions, mastic pointing, sealants, double 6-8-6 glazing, hardware, door closers for opening doors, and all necessary material and accessories; as per the specifications and the drawings</i>				
08-A	W03 over all dimension 2950x2900mm	U	1		\$ -
08-B	W04 over all dimension 2950x2900mm	U	1		\$ -
08-C	W05 overall dimension 4600x2000mm	U	1		\$ -
08-D	W06 Overall dimension 2800x2000mm + 1800x2900mm	U	1		\$ -
08-E	W07 overall dimension 2800x2000mm	U	1		\$ -
08-F	W08 overall dimension 4500x2900mm	U	1		\$ -
08-G	W09 overall dimension 4500x2900 mm	U	1		\$ -
08-H	W10 overall dimension 4500x2900 mm	U	1		\$ -
	<i>WOODEN DOORS AND WINDOWS</i>				
	<i>Supply and install solid core chipboard with HDF wood doors; include solid wood frames, subframes, solid lipping, paint, door closer and all necessary material and accessories; as per drawings</i>				
08-J	WD01 overall dimension 1100x2200mm	U	1		\$ -
09	<u>FINISHES</u>				
	<i>PLASTER WORKS</i>				

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
09-A	<p><i>Prepare surfaces, spatterdash, supply and apply ordinary portland cement and sand plaster coat to a min. thickness of 20mm, include metal lath 1mm thick where required, and all expanded metal angle and stop beads at corners and abutments; scratching under layers trowelling to a smooth final layer ; as per specs and drawings (1 undercoat of min. 8mm, 1 undercoat of min. 6mm, 1 finish coat of min. 6mm)</i></p> <p>To internal wall and column surfaces</p> <p>GYPSUM BOARDS</p>	M2	25		\$ -
09-B	<p><i>Supply and install gypsum board false ceiling; include suspension system, visit traps, paint and all necessary material and accessories; as per the specifications and drawings</i></p> <p>Gypsum Board False Ceiling</p> <p>PAINT</p>	M2	120		\$ -
09-C	<p><i>Prepare surface and apply acrylic sealer, 3 coats of putty, one water base undercoat, three finish coats of Latex base acrylic, odorless paint; as per the specifications and drawings</i></p> <p>To internal wall and ceilings</p> <p>EPOXY PAINT</p>	M2	150		\$ -
09-D	<p><i>Supply and apply epoxy PU paint on walls after removing the actual paint , cleaning, preparation, primar and final coats same color as floor including 100mm high skirting on walls</i></p> <p>Entrance area + Ramps +laundry</p>	M2	65		\$ -
15	<u>MECHANICAL</u>				
	HVAC <i>Outdoor VRV Units</i>				

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
15-A	<p><i>Supply and install the following Outdoor VRV Units, complete including all necessary insulated refrigerant pipes, supports, valves, joints, wiring, accessories, and all other related works, all as specified, shown on the drawings, and to the satisfaction of the Engineer.</i></p> <p>CU01-B2</p> <p><u>Indoor VRV Units</u></p> <p><i>Supply and install the following Indoor VRV Units, complete including all necessary insulated refrigerant piping, connections, drain pipes connection, valves, supports, wiring, accessories, and all other related works, all as specified, shown on the drawings, and to the satisfaction of the Engineer.</i></p>	U	1		\$ -
15-B	FCU-01-B2 same as existing including ducting and grills	U	3		\$ -
15-C	<p>Re adjust and Re rout Existing AHU01-B2 DX Coil Packaged Air Handling Unit ducting to Supply only Culture area including the re routing of the exhaust ducts as per the as built drawings - Contractor should submit his proposal for approval prior any execution</p> <p>PLUMBING</p> <p>Supply and Install A PPR 3/4" pipe to Supply the outdoor Sinks and 3" PVC Drain including the connection to the existing network as per the as built drawings - contractor should submit his proposal for approval prior any execution</p>	U	1		\$ -
16	<u>ELECTRICAL</u>				
	<p><i>Supply, install and connect the following wiring devices, complete including cabling/conduiting works back to receptive panelboards and all related accessories, as specified and shown on drawings</i></p> <p><i>Wall mounted simplex socket outlet (2P+E), rated 16A/250V</i></p>				
16-A	1 Balance	U	4		\$ -
16-B	2 Stirring hot plate	U	3		\$ -
16-C	6 Gravimeter	U	1		\$ -
16-D	7 Stomacher	U	1		\$ -
16-E	8 Pump for Filtration	U	2		\$ -
16-F	9 Incubater	U	3		\$ -
16-G	10 Refrigerator	U	1		\$ -
16-H	11 Vortex	U	2		\$ -

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
16-J	12 Glass washer	U	1		\$ -
16-K	A- Fume Hood	U	1		\$ -
16-L	B-PH Meter	U	2		\$ -
16-M	C-Conductimeter	U	2		\$ -
16-N	D- Moisture analyser	U	1		\$ -
16-P	E- Salt meter	U	1		\$ -
16-Q	F- Balance	U	2		\$ -
16-R	G- Automatic titrator	U	1		\$ -
	Supply, install and connect the following isolating switches triphases complete including cabling/conduiting works back to respective panelboards and all related accessories, as specified and shown on drawings				
16-S	3 Autoclave	U	2		\$ -
16-T	4 Water Distiller	U	1		\$ -
16-U	5 Water Base	U	4		\$ -
	Install and connect the dismantled lighting fixtures, complete including control gear, lamps, supports, mounting, brackets and all related accessories, as specified and shown on drawings				
16-V	Existing Led Lighting	Lsum	1		\$ -
	Install and connect the dismantled fire detectors including all related accessories, as specified and shown on drawings				
16W	Fire detectors	Lsum	1		\$ -
2nd FLOOR					
08	<u>DOORS AND WINDOWS</u>				
0801	ALUMINUM WINDOWS				
	Supply and install Fixed Aluminum frame including fly screen same color as existing windows				
08-K	FM01 overall dimension 2250x1200mm	U	16		\$ -
08-L	FM02 overall dimension 600x1200mm	U	10		\$ -
08-M	FM03 overall dimension 1050x1200mm	U	2		\$ -
08-N	FM04 overall dimension 2050x1200mm	U	1		\$ -
08-P	FM05 overall dimension 2300x1400mm	U	1		\$ -
08-Q	FM06 overall dimension 800x1300mm	U	10		\$ -

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
D08-2	WOOD AND ALUMINUM DOORS				
	Supply and Install surface mounted door closer with hold open				
08-R	WD01 wooden doors	U	5		\$ -
08-S	AD01 Aluminum door	U	1		\$ -
	Supply and Install surface mounted double door closer with link Arm and closing sequence control				
08-T	AD02 Aluminum Double doors	U	3		\$ -

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9	<u>FINISHES</u>				
	<i>EPOXY PAINT</i>				
	<i>Supply and apply epoxy PU paint on walls after removing the actual paint , cleaning, preparation, primar and final coats same color as floor till 1500 mm high</i>				
09-E	Juice Fruit room	M2	105		\$ -
09-F	Oil Room	M2	45		\$ -
09-G	Honey Room	M2	40		\$ -
09-H	Essence Room	M2	55		\$ -
D15	<u>MECHANICAL WORKS</u>				
	<i>PLUMBING</i>				
15-D	Supply and Install UPVC 1/2" pipes for water distribution for essence tanks including elbows, connectors, valves and all needed accessories to be connected to existing outlet in wall as per drawings	U	1		\$ -
15-E	Supply and Install Flexible PVC evacuation pipes 2 inches for essence Tanks including, valves, connectors,and all needed accessories for connection to tanks	U	2		\$ -
	<i>WATER TREATMENT PLANT</i>				
	<i>Supply and Install RO-UV water filter including all necessary connections for a proper operation</i>				
15-F	RO-UV Water filter in essence room and fruit room 100 L per hour and for prewash outdoor sink	U	3		\$ -
15-G	RO- UV water filter 50 L per hour for kitchen at level 2 and laboratories at basement 2	U	8		\$ -

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Item	Description	Unit	Qty	Unit Rate	Amount US\$
	<i>GAS SYSTEM</i>				
15-H	Supply & installation of a complete provision for 2 central gas system serving the essence production Room and the laboratories and fruit juice production with all necessary accessories required for good operation and as shown on drawings. Each system includes the following: Gas Tank to be provided by Gas Supplier including all accessories (By Others) 1 Manifolds (3 outlets each) 1 Pressure regulator down to 1.5 bars and safety change-over with indicator(by others) 1 Solenoid valve 1 Manual shut off valve 1 Pressure regulator down to 37 mbars 1 Gas detector with electrical connection to solenoid valve	U	2		\$ -
15-J	Supply and Install Copper pipes 1/2" size for essence room	Lm	25		\$ -
15-K	Supply and Install Copper pipes 1/2" size for Fruit juice room	Lm	35		\$ -
15-L	Supply and Install Copper pipes 1/2" size for Laboratories	Lm	35		\$ -
TOTAL COLLECTION excl. VAT					\$ -