



**Division of Food Security, Natural Resources, The Environment & Sustainable Development
Procurement Unit, Shirvan Administrative Complex,
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29th April 2024

AMENDMENT

Reference is made to the Invitation To Tender (ITT) DFSNRESD 2023/24-005 Repair Works to Louis D'or Processing Facility.

Attached is a copy of the amended Bill of Quantities for the tender document. All amendments are written in **RED**.

Please note that **all components** of the previously issued Tender Document are applicable and are to be observed for Submission.

Procurement Unit

REPAIR WORKS TO LOUIS D'OR PROCESSING FACILITY

Bill of Quantities – Amendment is in RED

Cost Centre	Element	Quantity	Unit	Rate	Amount
0	Facilitating works				
0.1	Allow for the removal of all equipment to an identified storage location. Note that the location will be given at the site visit.		sum		
0.2	Allow for the removal of concrete and timber partition shown in RED on the drawing. Note that timber items are to be safely removed, loaded and transported to storage. Demolished concrete are to be transported to an approved dump site.		sum		
0.3	Secure in a professional manner all electrical wires, plumbing lines, steam lines etc during demolition works. Include for the safe removal and securing of A/C units, copper lines, extractor fans and scale. Note that these items will be reused where necessary.		sum		
0.4	Allow for the demolition of concrete sinks and counter tops. Include for the removal of timber counter top in packaging room.		sum		
0.5	Allow for the remove of aluminium and timber doors at the front of the building. Include for transporting aluminium doors to an identified storage.		sum		
0.6	Remove all existing windows on the building. Note: These windows will be reused on site - Mezzanine office space as far as possible.		sum		
	Carry To Summary				

1	Substructure				
1.1	Excavate 4 feet x 4 feet wide x two feet dept column footing in accordance with drawing for Mezzanine floor.	2	nr		
1.2	Fabricate steel works for item 1.1 in accordance with drawing - Pedestal, Footing Detail. Allow for 5/8" main bars and 3/8" binders.		sum		
1.3	Excavate for 12" wide x 16" depth ground beams in accordance with drawing		sum		
1.4	Fabricate steel works for item 1.3. Steel work to include 5/8" main bars and 3/8" binders.		sum		
1.5	Cast 3000psi ready mix concrete to column footing and ground beams.	4	cy		
	Carry To Summary				
2	Superstructure				
2.1	Frame				
2.1.1	Structural Steel Works				
2.1.2	Supply, fabricate and install structural steel frame inclusive of deck framing complete as per Drawings and Specifications. Rate should include for all connection bolts, nuts, washers, end plates, base plates, haunches, and all other items necessary to satisfactorily complete the works. Include for painting with anti-corrosive compound in accordance with ISO 8501.				
	Columns – W10" × 10" x 49	980	lbs		
	Tie beams – W10 × 4 x 19	646	lbs		
	Main beams – W12 × 6-1/2 x 30	1830	lbs		
2.1.3	Supply and install 20 gauge C.F.D 3 decking. Include for casting 3000psi concrete 6" thick.	414	sqft		
	Carry To Summary				

2.3	Roof				
2.3.1	Allow for the removal of existing sheeting, damage rafters and laths (identified) and dispose in accordance with instructions given at site visit.		sum		
2.3.2	Procure and install 3/8" treated groove ply atop timber roof framing. Also allow for the replacement of rafters and laths where necessary. Include for painting timber frame and ply internally with non-drip ceiling paint (white).	4,950	sqft		
2.3.3	Supply and install 24G PVDF coated standing seam galvanized sheets, radiant barrier, and all associated ancillaries complete. Rate should include for PVDF coated 24-gauge ridge cap 18" wide, PVDF coated fascia flashing 10" wide, bolts, and all ancillary. The works should ensure proper rainwater runoff into the guttering system and all other items to satisfactorily complete the works.	5,000	sqft		
	Carry To Summary				
2.4	Stairs and ramps				
2.4.1	Supply and construct staircase in accordance with the Drawings. Allow for 21 N/mm2 cube strength at 28 days to staircases waists, risers, treads, landings, and platforms.		sum		
2.4.2	Supply and install Schedule 40 aluminium handrail inclusive of all supports and ancillary works. Include for painting with anticorrosive and final colour.	20	ft		
	Carry To Summary				
2.5	External Walls				
2.5.1	Supply and install 16" x 4" concrete blocks (north of the facility) with 2#2 lateral rebar every second course. Include	505	sqft		

	for 12 mm rendering to both sides of wall.				
2.5.2	Supply and install 16" x 4" hollow clay at mezzanine (floor to ceiling) with 2#2 lateral rebar every second course. Include for 12 mm rendering to both sides of wall.	540	sqft		
	Carry To Summary				
2.6	Windows and external doors				
2.6.1	Supply and install UPVC 2 feet x 1 foot awning in accordance with Drawing.	6	nr		
2.6.2	Safely install sliding windows at Mezzanine office space as far as possible.		sum		
2.6.3	Remove existing timber doors from building, allow for refurbishment and reattach same.		sum		
2.6.4	Procure and install 3 feet wide shopfront door at mezzanine	1	nr		
	Carry To Summary				
2.7	Internal Walls and partitions				
2.7.1	Supply and install 16" x 4" hollow clay blocks with 2#2 lateral rebar every second course and 12 mm rendering to both sides of wall. See Drawings and specifications. Note: all walls marked X on the drawing.	3,732	sqft		
2.8	Internal doors				
2.8.1	Supply and install doors inclusive of metal frames, stainless steel hardware and locking mechanism. Include for priming and painting of doors.				
	3 feet wide x 80 inch high	9	nr		
	2'8" wide x 80" inch high	2	nr		

	2'4" wide × 80 inch high	4	nr		
	Carry To Summary				
3	Walls and Floor Finishes				
3.1	Painting Works				
	Prepare and paint all walls and doors. Note: Apply Benjamin Moore paint to achieve an aesthetic finish. Make good any areas affected by the proposed works. Include for protection of all surrounding areas.	17,320	sqft		
3.2	Supply and install 450 mm × 450 mm porcelain non-skid floor tiles in bathroom and shower area complete as per Drawings and specifications. Include for the supply of all grout, and all other items necessary to complete the works to satisfaction.	240	sqft		
b	Supply and install 200 mm × 200 mm porcelain wall tiles to all bathroom and shower walls 7 feet high inclusive of pointing and grouting complete.	650	sqft		
c	Allow for the cleaning of all floor and wall tiles in the existing bathroom.		sum		
3.3	Remove existing floor tiles and supply and install Epoxy floor of an appropriate industrial grade finish complete as per Drawings. A minimum warranty period of fifteen (15) years is required on this product. Rate should include for all items necessary to complete the works to satisfaction.	4,400	sqft		
	Carry To Summary				
4	Fittings, furnishings and equipment				
5	Services				
5.4	Water installation				
5.4.1	Allow for the stabilization of all existing plumbing lines on site i.e identified line are to be secured and aesthetically pleasing.		sum		

5.4.2	Clean all existing plumbing ware on site, toilet bowls, water closet, face basins, and faucets.			sum	
5.4.3	Supply and install all new PVC piping for potable water supply throughout the facility as per Drawings inclusive of all masonry works, excavation, connections, sand bedding and reinstatement of all surfaces for water supply lines. Include two 1000-gallon water tank, one ¾ horsepower water pump with a covered enclosure, and all other items necessary to complete the works to satisfaction.			sum	
5.4.4	Supply and install all new piping for wastewater collection as per Drawings and professional standards inclusive of all masonry works, excavation, connections, sand bedding and reinstatement of all surfaces. Include for venting of wastewater pipes to roof level as necessary, clean outs at the change in direction, floor drains, and all other items necessary to complete the works to satisfaction. In addition, allow for the inspection of the existing sewer system (septic tank and soak away) to ensure that the additional load can be accommodated – allow a cost and provide an explanation if upgrade is necessary.			sum	
5.4.5	Allow for 10 number of inlet points for 4" floor drains within the facility to convey runoff to external drain.			sum	
5.4.5	Allow for a specific 4" floor drain to convey cassava runoff to a 2000 gallon holding tank as directed.			sum	
5.4.6	Procure and install 6" square gutter with down pipes to suitable outfall	250	ft		
5.4.7	Procure and install Armitage water closet	4	nr		
5.4.7	Procure and install face basin inclusive of tap (vanity).	2	nr		

5.4.8	Procure and install glass mirrors each 600 mm wide × 600 mm high above the face basins.	4	nr		
5.4.9	Procure and install commercial grade liquid soap dispensers in all toilets.	4	nr		
Carry To Summary					
5.5	Heat Source				
5.5.1	Allow for the upgrade and conveyance of steam to identified location within the facility.		sum		
5.6	Air conditioning				
5.6.1	Supply and installation of heresite air conditioning units inclusive of wiring, isolators, and automatic restart after power failure.				
	Sanitizing Area (12,000 BTU)	1	nr		
	Minimal processing Area (12,000 BTU)	1	nr		
	Receiving Area (12,000 BTU)	1	nr		
	Flour Production Area (60,000 BTU)	1	nr		
	Value Added Production Area (60,000 BTU)	1	nr		
	Below Mezzanine Floor (24,000 BTU)	1	nr		
	Mezzanine Area (24,000 BTU)	1	nr		
	Store Room (18,000 BTU)	1	nr		
	Equipment Room (60,000 BTU)	1	nr		
	Sanitizing Area 2 (12,000 BTU)	1	nr		
	Sort/ Wash Area (12,000 BTU)	1	nr		
	Area Out Side Equipment Room (12,000 BTU)	1	nr		
5.6.2	Reinstall extractor fan as directed. Include for the supply and installation one extractor fan similar to existing.		sum		
Carry To Summary					
5.8	Electrical Installations - Facility is 3-phase				
5.8.1	Supply and install all conduits, trunking, cans, sub-panels (with breakers) in		sum		

	blockwork. All electrical outlets and fixtures to all offices, workstations, emergency lights, exhaust fans, air conditioning units are to be complete in accordance with Drawings and professional standards.				
5.8.2	Supply and install all electrical wiring and power cable to point of supply complete. Note: The Contractor is responsible for all works necessary, inclusive of obtaining the Electrical Inspection Certificate.		sum		
5.8.3	Supply and install all electrical outlets and fixtures inclusive of all artificial lights, emergency lights, switches, power outlets to all offices, workstations, air condition split units, extractor fans, in accordance with the Drawings.		sum		
5.8.4	Allow for the construction of generator plinth and shed roof covered area. Include for the supply and installation of one generator (To be sized), and to retrieve all approvals from the T&TEC.		sum		
	Carry To Summary				
5.11	Fire and lighting protection				
5.11.1	Supply and install fire alarm devices and fire extinguishers in accordance with NFPA 10 standards. Include for pull stations, smoke detectors and heat detectors.		sum		
5.11.2	Supply and install fire extinguisher brackets and signs with PVC backing on walls in accordance with NFPA 10 standards.		sum		
	Carry To Summary				
6	Demobilization				
6.1	Clean up site and cart away all excess and unwanted materials. Reinststate site to the complete satisfaction of the Division		sum		

	Carry To Summary				

REPAIR WORKS TO LOUIS D'OR PROCESSING FACILITY

Bill of Quantities

ITEM	DESCRIPTION	TOTAL
0	Facilitating works	
1	Substructure	
2	Superstructure	
2.3	Roof	
2.4	Stairs and ramps	
2.5	External Walls	
2.6	Windows and external doors	
2.7	Internal Walls and partitions - Internal doors	
3	Walls and Floor Finishes	
5.4	Water installation	
5.5	Heat Source and Air conditioning	
5.8	Electrical Installations	
5.11	Fire and lighting protection	
6	Demobilization	
	SUB-TOTAL	
	(Vat 12.5%)	
	TOTAL	