

BOQ for the supply and construction of the Seed Bank for six sites, one in each West and East Gallabat, Mafaza, Fashaga, Basunda, and Galla Al Nahal localities.

Offer Date:

Item	Description	Unit	Quantity	Unit price	Total Price
1	SITE CLEANING WORKS				
1.1	Clean the site & removed away from the site to the area determined by the local authorities	Job	1		
2	EXCAVATIONS AND EARTH WORK				
2.1	Excavate 1.5m x 1.5m to 3m depths of isolated footings including dressing the sides & levelling the bed of the foundation to the required width & required depth , (the depth should be measured from the lowest point of the construction site), for Store as per drawings & specifications, dug soil and debris to be discharged and removed away from the site to the area determined by the local authorities.	m ³	40.5		
2.2	Provide and lay granular fill of approved type for compaction purposes free from debris and organic materials for internal in the highest of grade beam and gassa (30cm+30cm), to be applied in layers not exceeding 30cm thick each and flattered, Total thickness 60cm , 2m external around the store in the to be applied in layers not exceeding 15cm thick each and flattered, Total thickness 30cm well watered and compacted mechanically as specified for floor as per drawings & specifications.	m ³	32		
SUB-TOTAL (1)					
3	CONCRETE WORKS				
3.1	Provide, cast & lay plain concrete mix (1:3:6) cement: sand: gravel ,20 cm layer thickness under the R.C.footings apply 10cm as per specifications & drawings, water curing to be applied .	m ³	1.4		
3.2	Provide, cast & lay plain concrete mix (1:3:6) cement: sand: gravel ,20 cm layer thickness for floors apply it into two layers 10cm as per specifications & drawings, water curing to be applied for 7days (seven) minimum,	m ³	3		
3.3	Provide and cast reinforcement concrete (1 : 2 : 4) mix for footing 1.5x1.5mx40cm thick reinforced with 6 steel bars ø16 mm mechanical mixing and vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the grade beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m ³	6.8		
3.4	Provide and cast reinforcement concrete (1 : 2 : 4) mix in short column 40x25cm reinforced with 6 steel bars ø16 mm using steel stirrups of steel bars ø8 20cm c/c , steel bars bending at ends should be done with 15 cm leg , steel cover should be 2 - 2.5 cm , mechanical mixing and vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the grade beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m ³	1.8		

3.5	Provide and cast reinforcement concrete (1 : 2 : 4) mix in grade beams 40x25cm reinforced with 6 steel bars ø16 mm (3 @ top & 3 @ bottom) 15cm c/c using steel stirrups ø8 20cm c/c , steel bars bending at ends should be done with 15 cm leg , steel cover should be 2 - 2.5 cm , mechanical mixing vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m³	2.7		
3.6	Provide and cast reinforcement concrete (1 : 2 : 4) mix for long column 40x25cm reinforced with 6 steel bars ø16 mm using steel stirrups of steel bars ø8 20cm c/c , steel bars bending at ends should be done with 15 cm leg , steel cover should be 2 - 2.5 cm , mechanical mixing and vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the grade beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m³	1.8		
3.7	Provide and cast reinforcement concrete (1 : 2 : 4) mix roof beam (40x25cm) reinforced with 6 steel bars ø16 mm (3 @ top & 3 @ bottom) 15cm c/c using steel stirrups ø8 20cm c/c , steel bars bending at ends should be done with 15 cm leg , steel cover should be 2 - 2.5 cm , mechanical mixing vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m³	3.7		
3.8	Provide and cast reinforcement concrete 12 cm (1 : 2 : 4) mix in roof slab reinforced with 6 steel bars ø12 mm @ 12.5*12.5cm c/c steel cover should be 2 - 2.5 cm , mechanical mixing vibrator to be strictly applied for casting , curing for minimum 7 consequent days using straw sacks covering and watering three times per day, no construction work over the beam is allowed before the curing duration is completed perfectly. The price should include all materials tools workmanship , shuttering ,etc to complete the job as per specifications and drawings and engineer acceptance	m³	7.2		
SUB -TOTAL (2)					-
4	BRICK WORKS				
4.1	Provide and build one brick wall of first class ordinary burnt red clay bricks in 1:6 cement mortar. 60cm high for cladding of G.B., .The top of the wall should be truly levelled with cement /sand with rendering as per specifications & drawings	ML	54		
4.2	Provide and build one brick wall of first class ordinary burnt red clay bricks in 1:6 cement mortar for walls, the walls should be totally vertical using for that level ruler and Plumb bob, as per specifications & drawings.	m²	69		
4.3	Provide and build one brick wall of first class ordinary burnt red clay bricks in 1:6 cement mortar. for barabate the walls should be totally vertical using for that level ruler and Plumb bob, as per specifications & drawings.	m²	17		
SUB -TOTAL (3)					-
5	ROOF WORKS				
5.1	Provide and lay concrete layer minimum thickness 5 cm, made of gravel small size with cement and sand with 1:100 slope. complete the job as per specifications and drawings and engineer acceptance	m²	58		
5.2	Provide & lay 2 coat of cement water proofing for the roof complete the job as per specifications and drawings and engineer acceptance	ML	58		
5.3	Supply & fix gutters 50cm, each 250cm c/c as specifications	no	8		
SUB -TOTAL (4)					
6	FINISHING WORKS				

6.1	Provide and apply plaster external and internal of cement /sand mortar with clean and fine sand 1:6 (3 coats: render, setting & floating coat to give a total thickness of 2cm) for walls as per specifications & drawings	m ²	270		
6.2	Supply & apply external and internal painting, 3 coats of emulsion paint of approved brand and manufacturer, & paint from silk paint for both including priming coat to give an even shade, thoroughly brushing the surface free from mortar. Colour should be determined by the site engineer	m ²	270		
SUB -TOTAL (5)					
7	Electrical Work and equipment				
7.1	Provision and fixing of Suction fan size 60*60cm (from best quality) including the wiring, electrical conduits, fixing elements, etc.	No	2		
7.2	Provision and fixing of wall mounted 4 inch LED lamps for internal with conduits, wiring, fixing elements, etc, including one gang switch	No	8		
7.3	Provision and fixing of main switch including piping imbedded in the walls , wiring 4mm , electrical conduits, PVC box, etc. To control the electrical supply for the whole building and latrines . Complete job.	No	1		
SUB-TOTAL(6)					
8	DOORS AND WINDOWS				
	Provide, manufacture, assemble & fix vertical Sliding Door as per drawings & below specifications ; Type: Overhead sliding door - Dimensions: - Height: 2.4 meters - Width: 3 meters - Material: Galvanized steel sheets, minimum thickness 7 mm, rust and moisture resistant - Frame: Galvanized steel square tubing, 8*4 mm or as per engineering design - Movement Mechanism: - Upper pulley mounted on a strong rail - Upper track made of galvanized steel, approx. - Double rollers for smooth sliding and reduced friction - Locking System: - Bottom cylinder lock for enhanced security - Coating: Weather-resistant paint , - Tracks: Integrated upper tracks for guided movement Color & Sample of steel must be approved by ZOA site Engineer.				
8.1	Provide and fix two leaves (3*2.4 highest) steel over head sliding door	No	1		
8.2	Provide and fix windows (80*30 cm) cover with wire mesh from inside & out side the windows should have shade cap & protect it with double wire mesh fix it will from out side & inside as per designs & site engineer instructions	No	4		
SUB- TOTAL(7)					
9	RAMP WORKS				
9.1	Provide & apply ramp 4 width* with slope 1:10cm with reinforce concrete mesh 16mm , 1:2:4 water curing to be applied for 5 days as per drawing m specification & site engineer acceptance	JOB	1		
SUB TOTAL (8)					
10	External wall works				
10.1	Provision and installation of completion for fencing complete as per drawing and following specifications: • Fencing posts of steel angle 2" thickness 5mm. 2.4 meter length fixed in 0.4 x 0.4 x 0.5 plain concrete 1:3:6 foundation block, along equaled bays of 2 meter. • Galvanized chain link 3mm thickness, 2 meter height, 50mm spacing , along with 3 lines of steel bar 12mm purlin	ML	60		
10.2	Supply and installation of a door for the main entrance - Height: 2.4 meters - Width: 3 meters - Material: Galvanized steel pipe -- Locking System: - Bottom cylinder lock for enhanced security - Coating: Weather-resistant paint,	number	2		
SUB TOTAL (8)					
TOTAL					

1	SITE CLEANING WORKS	
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2	EXCAVATIONS AND EARTH WORK	
3	CONCRETE WORKS	
4	BRICK WORKS	
5	ROOF WORKS	
6	FINISHING WORKS	
7	Electrical Work and equipment	
8	DOORS AND WINDOWS	
9	RAMP WORKS	
10	External wall works	
	Sub Total	
	Include VAT 17%	
	Gand Total	

Total with VAT17%=.....

Delivery date :.....days