

BOQ of (STH078)					
General Specification					
1	All works and the materials supplied by the contractor must be in according with the relevant Iraq's standard Specifications (It's the contractor responsibility to obtain any relevant Iraqi specifications by visiting ministry of construction and housing web site: www.moch.gov.iq (or physically obtain those documents from the mentioned ministry) in addition to Iraqi technical specification for building works.				
2	The contractor must provide samples, catalogues for testing / inspection and approval by the site engineer.				
3	Contractor must pay the cost for samples including any laboratory tests, both inside and outside the country as required.				
4	The price of works includes all job requirements as per Iraq's standard specification.				
5	The contractor must provide PPE for all laborer's, personnel, engineers and possible visitors to the site.				
Agricultural Cooperative Society (3 Rooms and Corridors)					
#	Item Description	Unit	Quantity	Unit Price IQD	Total price IQD
1	Emulsion painting (rooms and Corridors): Supply of materials, tools, and manpower to paint the interior walls, with 3 layers of emulsion paint. The job includes cleaning the walls and ceilings, removing the dirt and dust, repairing all the cracks and filling all the holes before painting and close 24 windows (1.3*0.7)m by drywall. All needed works to complete the job should be included within the price.	m²	700		0
2	Wooden doors with frame (1x2.1)m: Supply of materials, tools and manpower to install teak (saj) wooden doors with red cedar (jaw) frame. Price of the work shall include removing the damaged doors and frames, door locks, handles, hinges, teak painting and varnish painting. Also repairing the gypsum plastering and cement plastering of the edges .All needed work to complete the job will be included within the price.	No.	3		0
3	Repair Steel Windows: (2*1.6m) Supply of materials, tools and manpower to repair damaged steel windows. Including anti-insects wire mesh, hinges, handles, welding of damaged parts, cleaning the rust stains and removing the old paint before painting with two (2) layers of anti-rust and three (3) layers of oil paint, then providing clear glass of 4mm with new paste. All needed works to complete the job should be included within the cost.	No.	6		0
4	Curtain: (2.1*1.7m) Supply and install windows blinds (curtains) with all needed to complete work from good origin and good type.	No.	6		0
5	Lighting (Internal) for Rooms and Corridors Supplying, Installation, testing and commissioning of 36W Low Voltage LED. The price includes wiring/connecting with 1.0 kV grade 2*1.5mm² PVC insulated copper cable/wires if required with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting (concrete wall if required) and commissioning to complete works as required. The price also include supply and install light switch. All needed works to complete the job, shall be included within the price.	No.	30		0
6	Ceiling fan: Supplying, installing, test and commission of ceiling fan (240 volt A.C 1400 rpm,1400mm sweep with 56"), down rod of standard length unto 300mm with accessories such as down rod, sweep 3 Nos., canopy 2 Nos., condenser, fan body and fan regulator includes wiring with (2x1.5mm²) 1.0kV grade , PVC insulated copper cable/wires laid inside existing concealed PVC pipe and if required laid through new surface PVC pipe (20 mm dia) wherever not possible with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting (concrete wall if required) and commissioning to complete works as required.	No.	5		0
7	Split Unit Air-Conditioning inverter : Supply, install, connect and commission wall mounted Split unit Air-conditioning inverter type (Cool & Heat) 2Ton 24000BTUH, Technical specification and Type of compressor T3, Type of refri. gas (R410a) includes wiring/connecting with 1.0 kV grade 3*4mm² PVC isolated copper cable/wires laid inside existing concealed PVC pipe and if required laid through new surface PVC pipe (20 mm dia) with 25 A switches with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting, and commissioning to complete works as required. All needed work to complete the job will be included within the price.	No.	2		0

8	Socket Switch(13A): Supplying & fixing of combine 13A, 5 pin universal switch-socket with shuttered & indicator outlet, on PVC molded tough surface box includes wiring/connecting with 1.0 kV grade 3*2.5mm ² PVC insulated copper cable/wires laid inside existing concealed PVC pipe and if required laid through new surface PVC pipe (20 mm dia) with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting (concrete wall if required) and commissioning to complete works as required.	no.	10		0
9	In-situ Polishing and glazing of floor terrazzo(mosaic) tiles: Supply of materials, tools and manpower for polishing and glazing of the terrazzo(mosaic) tiles. The price includes filling the joints with white cement paste. All needed work to complete the job will be included within the price.	m ²	200		0
10	False Ceiling for Rooms and Corridors Supply of materials, tools and manpower to install suspended ceiling gypsum 60x60 cm, 8mm thickness, by using necessary accessories L, T sections, hold down clips, galvanized steel rod 5mm (1.2x1.2m) for fixing with the ceiling by screws, with panels. The price includes the removal of old damaged suspended ceiling, dumping of all debris to a site approved by local authorities, in case it is needed. All needed work to complete the job will be included within the price.	m ²	220		0
Total					0
WC		Unit	Quantity	Unit price IQD	Total price IQD
11	General Cleaning for (WC) (Area of the rooms 20 m²) Supply of materials, tools, and manpower to remove old washing basin, shower beds, old water pipes, sewage pipes toilet, and any other cleaning required to prepare the WC for the rehabilitation. Debris must be dumped in places approved by MoH and Authorities to prevent polluting the environment. All works should be done according to the instructions of the supervising engineer.	LS	1		0
12	Flooring for (WC) Supply of materials, tools, and manpower to install ceramic. The price includes all the material needed to install the ceramic using polymer enhanced cementitious mortar and all other material necessary to have the work complete. The price include the casting a 10 cm concrete as a bed for flooring if needed. All works should be done according to the instructions of the supervising engineer.	m ²	2		0
13	Emulsion painting. Supply of materials, tools, and manpower to paint the interior walls, with 3 layers of emulsion paint. The job includes cleaning the walls and ceilings, removing the dirt and dust, repairing all the cracks and filling all the holes before painting. All needed works to complete the job should be included within the price.	m ²	20		0
14	Siphon (Flush Tank) for the Eastern toilet : Supply of materials, tools and manpower to install siphon, valves and all needed accessories for completing water connections. All needed works to complete the job should be included within the cost.	No.	4		0
15	Western toilet: Supply of materials, tools and manpower to remove the damaged toilet pan and to install new ceramic western toilet. Including siphon(flush tank), gully trap Ø100mm (4"), flexible hose and water connections. All needed work to complete the job will be included within the price.the price include all the material needed to install the toilet using polymer enhanced cementitious mortar. The price also includes sanitary/sewer works necessary to connect it to the main sewage network. All work should be done according to the instructions of the supervising engineer.	No.	1		0
16	Bidet Sprayer Toilet Supply material, manpower and tools to install Bidet sprayer in the toilet and all other accessories. The price includes supplying of material, tools and manpower for all necessary plumbing to have it fully functional. All works should be done according to the instructions of the supervising engineer.	No.	4		0
17	Ceramic wash basin: Supply of materials, tools and manpower to install ceramic wash basin with stand, mixer taps, valves, mirror(60x50)cm and all fittings with complete water connections. All needed work to complete the job will be included within the price. The price include sewage work necessary to complete the work (include materials, manpower, drilling and casting and all necessary work).	No.	3		0

18	Lighting (Internal) Supplying, Installation, testing and commissioning of 36W Low Voltage LED. The price includes wiring/connecting with 1.0 kV grade 2*1.5mm ² PVC insulated copper cable/wires if required with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting (concrete wall if required) and commissioning to complete works as required. The price also include supply and install light switch. All needed works to complete the job, shall be included within the price.	No.	3		0
19	Exhaust Fans for (WC) Supply and install exhaust fan of 4 inches size. The work includes all necessary ducting work with connecting wire 2*1.5mm ² , with junctions fixed with wall, connect with existing source points and all accessories, the price includes supplying, installing, connecting, laying and commissioning drilling, cutting to complete works as required. All works should be done according to the instructions of the supervising engineer.	No.	4		0
20	Water Heater Supplying, installing, connect and commissioning of electrical heater with the below capacity of 50 l , and power of 1800 watt with complete fittings & accessories connecting with (2x4mm ²) PVC cable and 20A switch. The price includes supplying, installing, testing, commissioning with all accessories to complete work as required	No.	2		0
21	Aluminum Doors with Frame (1x2.1): Supply of materials, tools and manpower to install aluminum doors with frame. The aluminum section should not be less than 50mm width. The lower 1.0m portion of the door to be covered by aluminum sheets and the upper portion will be covered by glass 6mm. The price includes hinges, handles, locks and frosted glass (6mm) . All needed works to complete the job, will be included within the price.	No.	2		0
22	Water Pump 2hp: Supplying materials, tools and manpower to install, connect and commissioning water pump of capacity 2 hp (with suitable discharge and head), including all required water connections using PVC pipe, electrical connections using outdoor waterproof type socket switch, with providing galvanized protective metal frame cage to cover the pump & accessories and all other requirements to complete a good work.	No.	1		0
23	Repair aluminum doors: Supply of materials, tools, machineries and manpower to repair the damaged aluminum doors. Price of works shall include door lock, handles, hinges , accessories, repairing the door edges from both sides. All needed work to complete the job will be included within the price.	No.	3		0
24	Repair Steel Windows: (0.4*0.5)m Supply of materials, tools and manpower to repair damaged steel windows. Including anti-insects wire mesh, hinges, handles, welding of damaged parts, cleaning the rust stains and removing the old paint before painting with two (2) layers of anti-rust and three (3) layers of oil paint, then providing clear glass of 4mm with new paste. All needed works to complete the job should be included within the cost..	m ²	4		0
25	Maintenance of sewage pipes: 25m Supply of materials, machine and manpower to clean the sewerage pipes net starting from the toilets, manholes to the main septic tank or to the sewage network using high pressure air/water. The work includes replace the damaged manhole covers and others with new one. The price also include replacing the the piping if damaged with all digging, backfilling and casting concrete. All needed work to complete the job will be included within the price.	LS	1		0
26	Water tank (Polyethylene) 1 Cubic Meter: Supply of materials, tools and manpower for installing polyethylene water tank. with cylindrical shape, and including the connection of the inlet and outlet pipes. The price of work includes all piping and fittings, valves, float valves, accessories and plastic base. All needed work to complete the job will be included within the price.	No.	1		0
27	Water Source Supply material, manpower and tools to install 3/4" pipe to supply water to the WC. The price include fittings, cutting, welding, digging, drilling and all necessary work and materials to complete the work.	m.l	100		0
28	Socket Switch(13A): Supplying & fixing of combine 13A, 5 pin universal switch-socket with shuttered & indicator outlet, on PVC molded tough surface box includes wiring/connecting with 1.0 kV grade 3*2.5mm ² PVC insulated copper cable/wires laid inside existing concealed PVC pipe and if required laid through new surface PVC pipe (20 mm dia) with all accessories. The price includes supplying, installing, connecting, laying, drilling & cutting (concrete wall if required) and commissioning to complete works as required.	no.	2		0
Total WC works					0
The Total Amount					0