|  |  |
| --- | --- |
| **PR/Jan #: PR** 108401 | **Tender #: IQ08-RFP-108401**  |
| **PR/MAR Description:** Rehabilitation of Al-Swelih compact water treatment plant in Qurna, Basra 400 m3/h |

**Essential Specifications and Testing Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Items** | **Testing Method**(Lab Test, Visual, Certificate...)  | **Target Value** | **Performed / Reviewed by:**  |
| Supply, install, operate, and test a new (Electrical water Pump with a base) Q= 425m3/hr., H=25m | Product manufacture certificate of origin | Horizontal Low lift pumps Supply, install, operate and test a new (Split Case electric water pump with brands of Grundfos, KSP, or Wilo) of (German, Hungarian, Danish origin ), Certificate of origin and inspection documents are required. Pump specs: - (split-case type), Q= 425 m3/hr., H=25m,(impeller made of bronze , shaft made of stainless steel -420. Electrical motor: ( 58 KW, 380 V, 50 Hz, 3-Phase, 1500 r.p.m, IP55, class F, star delta starter, base plate, temperature 55c ) casing made of cast iron, pump lubrication =(single point automatic lubricator),Npsh-required<=4m,pump case outside coating =powder coating, pump case in side coating =epoxy coating, pump case(ductile iron or cast iron) The price includes supplying and installing 1 check valve 6", 1 butterfly valve of 6", and 1 flexible join of 6", (with British, American, French, German, Japanese, Belgian, or Dutch origin ) and with all connection and accessories of couplings, reducers , flanges, and screws with supply & connect a new copper electrical cables size (4\*16mm2) (Turkish, Jorden, or UAE origin) , and all the requirements to achieve proper performance and according to the specifications of DoW. | Engineers from Mercy Corps and Directorate of Water |
| Supply, install, operate, and test new submersible pumps Q= 20 m3/h, H=10 m | Product manufacture certificate of origin | Supply, install, operate and test new submersible pumps with (German, Hungarian, Danish origin) with certificate of origin Q= 20 m3/h, H=10 m, 380V, 50 Hz, 3-Ph, 1500 r.p.m, and IP68, iron cast, shaft and impeller made of stainless steel (British, American, French, German, Japanese, Belgian, or Dutch origin), with supply & connect a new copper electrical cables size (2\*4mm2) (UAE, Jorden, Saudi) with length from its board to new pumps to operate low-lift pumps including the supply and install of metallic cable tray. The work includes supplying all materials for the installation of the new submersible pumps with supply, connecting, and welding all required pipes for installing the new submersible pumps and providing all the requirements to achieve a proper performance with removing the old pump from the intake structure according to specifications of DoW | Engineers from Mercy Corps and Directorate of Water |
| Supply and install electric boards for the submersibles (Schneider or ABB) | Physical verification | Supply materials, tools, and manpower to supply and install new electrical distribution board (Starters) for new 2 submersible pumps, the works include supplying and connecting all electrical devices (circuit breakers three phases size 250A (nu.1), circuit breaker three phases 125A (nu.2), contactors(125A(nu.2),100A (NU.1), 10A(NU.2)), overloads 85-125A (NU.2), timers(NU.2), phase failures(NU.2), board metal box Dim.(70\*120)cm) with origin of (Schneider, or ABB), a design and sample must prepared by electrical engineer and to be approved by MC and DoW prior any installation. The price including supply and connect all electrical cables between the control panel and the submersible pumps with all requirements to make the work complete according to the specifications of Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Supply, install, operate and test a new (Electrical water Pump with base) Q= 400 m3/hr., H=60m | Product manufacture certificate of origin | Horizontal high lift pumps Supply, install, operate and test a new (Split Case electric water pump with base) of type Grundfos, KSP, or Wilo ) of (German, Hungarian, Danish origin) Certificate of origin and inspection documents are required. Pump specifications:- (split-case type), Q= 400 m3/hr, H=60m,(impeller made from bronze , shaft made from stainless steel 420). Electrical motor: (110 KW, 380 V, 50 Hz, 3-Ph, 1500 r.p.m, IP55, class F, star delta starter, and base plate) casing made of cast iron. The price includes supply and installs 1 check valve 6"(Ductile iron GGG40, PN16, Silent type), 1 butterfly valve of 6", and 1 flexible join of 6" with British, American, French, German, Japanese, Belgian, or Dutch origin and with all the required connections and accessories, couplings, reducers, flanges, and screws with supply & connect a new copper electrical cables size (4\*25mm2) (UAE, JORDEN, or SAUDI) with sufficient length from the mainboard to new the pumps to operate the high lift-pumps with supply and install metallic cable tray, and all the requirements to achieve proper performance and according to the specifications of DoW. | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of sedimentation tanks | Visual verification | Sedimentation & collection tank Sedimentation and collection tank Supplying the materials, tools, and manpower for rehabilitation of the concrete sedimentation tank with dimensions (18 x 15 x 3.5) m washing and cleaning the walls and the bottom completely to remove calcification, rust, and other materials, and preparing the tanks for epoxy coating. Remove all accumulated dirt and heavy mud piles as per its original design. Inner surfaces: - Cleaning with sandblasted, as needed. - Treating the places where the reinforcing iron appears with appropriate way, and the damaged parts(if any), coating the iron with zinc and any binding materials. - Paint with an epoxy primer base. - Paint with two final layers of epoxy, provided the surfaces are smooth and glossy. External surfaces: - Cleaning with sandblast, as needed. - Treating the places where the reinforcing iron appears with a brush or other appropriate way, and the damaged parts (if any), coating the iron with zinc and binding materials. -Paint with an epoxy primer base. -Treat cracks with epoxy paste(if any). Rehabilitation of the iron ladder as supervisor engineer instructions - - Painted by two layers of cement paint resistant to weather changing. Epoxy paints: Non-toxic to standard AWWA C210-78 up to 150 microns dry film thickness. The outer surface: The two-component epoxy composition, solvent-free epoxy resin paint for potable solvents, resistant to attack, must work as abrasive and suitable for tanks, tanks, silos, process works, and non-toxic type (Jotun, Carboline, Fosroc, and Sika) and the contractor must provide certificates (Data Sheet) for the materials that made them conform units and their suitability with drinking water. Requirements to complete the work according to the Water Department's specifications | Engineers from Mercy Corps and Directorate of Water |
| Cleaning, and rehabilitation of two filters (12\*2.5 m) coating with epoxy thickness (135 microns 2 layers). | Visual verification and Product manufacture certificate of origin | Filters System Supply materials, tools, and manpower to maintain the filter holding tanks, with dimensions( D=2.5 m, L=12m), the work includes:- -Removal of current medium from high-pressure sand filter, with removed medium to be disposed to an agreed site by the approval of MC Engineer and DoW. Filter to be isolated, drained and left open for 24 hours prior to works commencing. The Contractor shall agree a safe method of work with the MC Engineer prior to work commencing. - Remove ( sand & gravel) layers and old nozzles, the contractor should remove all debris and waste to the proper dump location approved by the municipality. the price includes cleaning the filters from the inside and outside by using "sandblast" to remove the calcifications, rust and prepare the filters to paint with epoxy. - Maintain and weld the nozzles' base plate and supporting it by using I beam channel 6", filters' base and out the frame, all the necessary cutting, welding, and fixing works by using steel badges, and maintain filter remaining parts with: -Coating the internal face with one primer layer and two layers of an alimentary epoxy thickness (135 microns) (UAE, Kuwait, Jordan origin) (The epoxy should consist of two components, Solvent-free epoxy resin coating for potable water-resistant to corrosion, chemical attack, and abrasion and is suitable for application to reservoirs, tanks, silos, water treatment works, non-toxic, the contractor shall submit certificates and evidence confirming appropriateness and suitability of this material for use with potable water, and externally paint the filter with suitable oil paint, the painting should be done by using one layer of the anti-rust paint and two-layers of oil-based paint (UAE, Kuwait, Jorden origin). - Supply and install new nozzles made from plastic-based on local market availability for all filters number of nozzles is not less than 1000 in each filter to provide Q=400m3/h. -Supply and install new vent valves of (English, American, French, German, Japanese, Belgian, Dutch). - Replace the damaged parts with new ones (washers, pressure gauge, bolts). according to the specifications of the Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Cleaning , replace media of filters and coating with alimentary epoxy thickness (135 microns 2 layer | Visual verification and Product manufacture certificate of origin | Sand and gravel filters Supply materials, tools, and manpower to supply and install media filters of the following specification: 1) 10 cm even layer of lightly compacted coarse gravel, (9.5 - 13.5 mm), washed prior to installation. Gravel supplied should be in accordance with BS 1438:2004 2) 10 cm even layer of lightly compacted medium gravel (6.5 - 9.5 mm), washed prior to installation. Gravel supplied should be in accordance with BS 1438:2004 3) 10 cm even layer of lightly compacted fine gravel (2.5 - 6.5 mm), washed prior to installation. Gravel supplied should be in accordance with BS 1438:2004 4) Quartz sand (0.6 - 0.65 mm), compacted to within 40 cm of the water inlet pipe. In accordance to EN 12904, Type 1, free of clay, dust, organic matter or any other contamination. Density of 2.6 g/cm3 and a bulk density of 1500 kg/m2. Of a round, spherical nature, yellow in color. Supplied in 25 kg PE-bags, palletized and shrink-wrapped. Similar to that supplied by (Al-Nawafeth) or equivalent. Prior to installation the contractor shall supply a certificate from an accredited laboratory showing the results of a sieve test, which has been undertaken in accordance to ASTM C 136. In addition the DoW shall examine the medium and advise on its suitability | Engineers from Mercy Corps and Directorate of Water |
| Supply and install the main electrical distribution board (Schneider or ABB) | Visual verification | The main electrical control board Supply materials, tools, and manpower to rehabilitate the main electrical distribution boards (cabinets), the works include supplying and connecting all new electrical devices in the board such as (circuit breakers, starters, Three Phase Contactor, overloads, timers, and phase fillers) with brand similar to (ABB) to be fitted with new electrical devices for the WTP after rehabilitation and remove all old electrical devices existing in the board, also supply and connect indication lamps, Ammeters, voltmeter with selector switch, terminals, cable glands and fixation, Bus bars, and all the necessary wiring, the work including supply and replace the damaged boards with brand similar to (ABB), with all requirements to make all electrical devices in the board work in good condition according to the specifications of the directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of electrical generator (Perkins )of 350 KVA capacity, 230/400 V, 3-phase | Visual verification | Supplying operational materials for the existing electrical generator (Perkins type) of 350 KVA capacity, 230/400 V, 3-phase, 1500 r.p.m, 50 HZ, the works includes replacing the expendable or damage mechanical parts of the generator to work with full manufacture power under high temperature that reaches 55° with warranty 3 months or 200 operation hours. The work includes e.g., batteries, oil, filters, etc. The work includes supply operational materials for the generator including 2 batteries size (120A, 12V), Oil 200 liter packed in container density 20W-50 (changed), and 6 sets of oil and air filters suitable for Perkins generator 250KVA, all operation parts should be from Turkish origin or equivalent for installing on existing electrical generator brand Perkins capacity of 350 KVA capacity. The contractor should supply generator consumables for a duration of 6 months, with all requirements to complete the works according to the specifications of the Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| supply and install check valve and butterfly valve | Visual verification |

|  |
| --- |
| Supply and install Shut-off butterfly valve size (3)",PN16 with rubber seal of a (Dutch, American,English, Danish, French, German, Japanese, Belgian)Disk/ductile, cast iron with epoxy coated, standers ISO top flange for direct mounting double flange (long type)) |
| Supply and install Shut-off butterfly valve size (6)",PN16 type with rubber seal with origin of (Dutch, American, English, Danish, French, German, Japanese, Belgian)Disk/ductile, cast iron with epoxy coated,standers ISO top flange for direct mounting doubleflange (long type) |
| Supply and install Shut-off butterfly valve size (6)",PN16 Gearbox type with rubber seal of a (Dutch,American, English, Danish, French, German, Japanese, Belgian)) Disk/ductile, cast iron with epoxy coated, standers.ISO top flange for direct mounting double flange (long type) |
| Supply and install Shut-off butterfly valve size 8",PN16 sandwich type with rubber seal of a (Dutch,American, English, Danish, French, German,Japanese, Belgian))Disk/ductile, cast iron with epoxy coated, standers ISO top flange for direct mounting double flange (long type) |
| Supply and install pressure gauge 25 bar, 1\2",made from steel of (Dutch, American, English,Danish, French, German, Japanese, Belgian) origin.  |

 | Engineers from Mercy Corps and Directorate of Water |

|  |  |  |  |
| --- | --- | --- | --- |
| Rehabilitation of the intake platform | Visual verification | Supply materials, tools, and manpower to repair and maintain all damage in the intake platform, the work including supply and installing 75m2 of new corrugated galvanized steel sheets ( ribbed sheet )with the thickness (0.6mm) instead of old/damaged ones, the price includes supply and installing 20m2 of new checker plates with the thickness (5mm) instead of old/damaged ones, and painting the platform by using one layer of the anti-rust paint and three layers of the oil base paint , the cost including prepare and clean the platform before doing painting process, according to the specifications of DOW. | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of the sunshade of the WTP | Visual verification  | Supply materials, tools, and manpower to make maintenance on the sunshade the work including supply and installing 120m2 of new corrugated galvanized steel sheets with the thickness (0.6mm) replacing of old ones, the price including painting the sunshade structure, Including painting of all pipes in the unit, by using one layer of the anti-rust paint and three-layer of oil-based paint, the price including preparing and cleaning the sunshade before painting process and according to the specifications of DoW. | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of the existing low lift pump capacity of 425 m3/h ,H=25 meters | Visual verification | Supplying the materials and operating on maintaining the existing low lift pump (CAMIC Turkish origin) capacity of 425 m3/h, H: 25 meters the work: - Maintenance of the shaft and replacement of the bushes. - Supplying and replacing the coupling and its rubbers. - Supplying and replacing ductile packets. -Supplying and replacing bumper bearings. the work includes maintaining the centrifugal pump, replacing Ball-bearings, coupling, the price also including rewinding an electric motor (if any) (replacing all damaged parts) with all the required works and reinstalling, testing and operating the pumps to be in functional in mode and according to the guidance of the supervisor engineer to ensure the efficiency of the pump as per the Iraqi technical specifications, and Basra Water Directorate. | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of the high lift pump Q=400m3/h, H=60m | Visual verification | Supplying the materials and operating on maintaining the existing High lift pump type of (CAMIC Turkish origin capacity of 400 m3/h, H:60 meters) the work includes: - Maintenance of the shaft and replacement of the bushes. - Supplying and replacing the coupling and their rubbers. - Supplying and replacing ductile packets. -Supplying and replacing bumper bearings. The price includes all mechanical and electrical works that include replacing (if any) welding works, elbows, washers, plugs, and electrical cables, etc.), the replacement materials of origin (German, English, American, French, Belgian, Turkish, Italian) that suffice the efficiency of the pump for the Iraqi technical specifications, and Basra Water Directorate. | Engineers from Mercy Corps and Directorate of Water |
| Supply, install, and testing the powder Chlorine unit with capacity, 1 ton | Visual verification and Product manufacture certificate of origin | Supplying, installing, and operating the powder chlorine system, including: 1- High-pressure plastic tank with a capacity of 1 ton, for the chlorine system, with the preparation of pipes (PPR) for the inlet side, size 1" and for the outlet side 3/4" with all fittings and connections, locks, and materials according to the specifications of the Water Directorate and instructions by the supervising engineer. 2-Supplying and installing an electric mixer of origin (German, Danish, Italian, English, or American) integrated with the motor, shaft, and fan made of stainless steel 316, cable, and starter with a capacity of 0.55 KW, which are installed on the chlorine tank. 3- Supplying a chlorine injector (German, Danish, Italian, English, or American origin) with a capacity of 2 cubic meters per hour with all accessories, PPR pipes, and plastic valves. The work includes the preparation and installation of all electrical accessories necessary for the operation. | Engineers from Mercy Corps and Directorate of Water |
| Supply, install, and testing Alum unit with 0.37KW, 220 L\h, = 0.75 KW, 50 Hz | Visual verification and Product manufacture certificate of origin | Supply, install, and testing Alum system, of British, American, French, Spanish, Japanese origins the work includes (dosing pump 0.37KW, 220 L\h ) and mixer device with electrical motor power = 0.75 KW, 50 Hz, IP55) and all connection of accessories (valves and UPVC pipes with fittings, gauge, wirings, cables, control panel, 1m3 plastic water tank, and steel frame) and all mechanical and electrical connections with the main electrical board, with all the works required to complete the job according to specifications of Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of the Back-washing unit, compressor(200M3/H), and the water pump(200M3/h. H=15m | Visual verification  | Supply, install and operate air blower compressor (Q=200m3/h, H=15m,1 bar, 18.5KW, 3PH, 50HZ, 380 V, IP55,) of (South Korea ,British, Germany, American, French, Spanish, pr Japanese) with certificate of origin , and the new pump must be connected to the new control panel with cable size (4\*10mm , 12m length) and starter 10kw, the price includes make water trap on the form ( Ⴖ ) with high 3m by using a GI pipe with diameter 4", and all the requirements to achieve the works according to the specifications of Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation of the WTP slab(walking spaces) | Visual verification  | Supply materials, and manpower, to maintain the concrete slab inside the WTP in the walking space around 50m2, the works includes scraping the floor from all stocked muds, and apply concrete patching (mixed 1:2:4) fixing to the slab to ensure the surface is even and not causing stagnation of water. And for the edging of the slab with height of 35cm, the contractor to apply concrete patching that covers the exposed steel bars not less than 5 cm using wooden molds. | Engineers from Mercy Corps and Directorate of Water |
| supply, install and connect a HDPE drainage pipe length of 65 m and diameter of 400mm . | Visual verification  | Drainage water pipe Supply material, tools, and manpower to supply, install and connect an HDPE pipe for draining backwash water, conforms to the Iraqi Standard 1462 modified according to the international organization for Standardization 2007/4427 of Iraqi or Egyptian origin, length of 65 m and diameter of 400 mm, to lengthen the end of the drain water pipe to the river. The work includes digging 60cm width and a depth of not less than 120 cm from the upper surface of the pipe, laying pipes, welding, and drawing water (if any). Then burial with sand at a layer of 20 cm below the pipe, 20 cm above the pipe, then burial with fine digging soil, the street crossing of 6 meters covered with concrete also, taking into account the use of two layers of BRC mesh measuring 5 mm thickness, the price includes making 2 manholes in the WTP and close to the sedimentation tank with internal dimensions (0.6\*0.6\*0.6)m with wall thickness 18cm, by using concrete C25, and cover it with checker plate gate thickness of 3mm with handle made from steel L section size 2" thickness 3 mm. The price includes all concrete casting works with a mixing ratio of of 1:2:4, burial with sub-base, good curbs, and the thickness of the casting is 20 cm for the street cross, taking into account the use of two layers of BRC measuring 5 mm thickness. the path of new pipe from the WTP to the river with all requirements to make the work complete according to the specifications of Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| supply and install bypass pipe by using galvanized water pipe on the inlet pipe with a length 25m and diameter of 8”. | Visual verification  | Supply materials, tools, and manpower to supply and install bypass pipe by using galvanized water pipe on the inlet pipe with a length 25m and diameter of 8", the work includes supply and install 1 gate valve double flange 8", and supply and install all connection accessories like (Dividers, flanges, elbows, washers, bolts, and welding works). the price includes joining the bypass pipe with the main ductile water pipe of low lift pumps and with the inlet pipe of high lift pumps, with all the requirements to achieve a proper performance with good quality (German, Danish, Japanese, Belgium , British, American) and following the specifications of DOW | Engineers from Mercy Corps and Directorate of Water |
| Supply materials, tools, and manpower to paint the fence of the WTP. | Visual verification  | Supply materials, tools, and manpower to paint the block wall fence and the service building walls by using (Plastic-based paint) brand of JOTUN, in three layers the price including cleaning and repairing all wall cracks, contractor to ensure proper filling of wall cracks with cement mortar and stones, approval of work by site engineer all works should be prepared for painting works, | Engineers from Mercy Corps and Directorate of Water |
| Rehabilitation the iron slide door for the CWTP with Dim.(2x4)m, the price includes : | Visual verification  | Supplying materials, equipment, and work to maintain the sliding main iron gate with dimensions of (2 x 4 m), and the price includes preparing and installing the door in an appropriate manner with the replacement of the broken and damaged parts, the paint to be oil-based paint in three layers with a type of paint (Jotun) with the processing and installation of a slide lock bolt size 20 cm with a padlock | Engineers from Mercy Corps and Directorate of Water |
| Supply and install hand wash basin Dim(55\*45)cm with tap mixer | Visual verification  | responsible for all fittings, materials, the price including supply and connect galvanized water pipe 1/2" from the water heater to hand wash basin, all work required to complete this work. and according to the specifications of the Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Supply materials, tools and manpower required to supply install squatting toilet seat | Visual verification  | Supply materials, tools and manpower required to supply install squatting toilet seat of (UAE or Turkish or other equivalent origins as approved by the supervisor engineer) with gully traps, connect with the main manhole by a sufficient plastic pipe with D(10)cm and cover around all sides with cement & sand mortar by mix ratio (1:3) . the price including re-covering the latrine floor to origin status before rehabilitation and completed the work as appropriate | Engineers from Mercy Corps and Directorate of Water |
| Supply, fix and install Chrome Finish Shower System | Visual verification  | Supply, fix and install Chrome Finish Shower System kit with Control Handle, , Shower Heads of (1/2 inch) of good quality(Turkish or other equivalent origins | Engineers from Mercy Corps and Directorate of Water |
| Supply, install and test a new ceiling fan | Visual verification  | Supply, install and test a new ceiling fan with 5-Speed Fan Control Switch, with (Turkish, India) and connect it to electric current with all necessary accessories and switch to complete the work. | Engineers from Mercy Corps and Directorate of Water |
| supply and install LED bulbs 75 watts with bulbs holder | Visual verification  | Supply materials, tools, and manpower for supply and install LED bulbs 75 watts with bulbs holder with waterproof | Engineers from Mercy Corps and Directorate of Water |
| Supply and install a new LED floodlight of 600 watts white color. | Visual verification  | projector LightingSupply and install a new LED floodlight of 600 watts white color (IP66), UAE, Jorden, Saudi) with electrical connection by using copper cables size (2X2.5mm2), and all necessary required to achieve work according to the specifications of Directorate of water | Engineers from Mercy Corps and Directorate of Water |
| Supply materials, tools, and manpower to clean site. | Visual verification  | Site clearingSupply materials, tools, and manpower to- Cleaning and preparing the worksite before and after the rehabilitation process, work includes cleaning the yard of the water treatment plant from all obstacles ( bushes, reeds, accumulated sludge, debris, steel scrap, waste) to the proper dump location approved by the municipality, opening the blockages in the wash facilities of the service building, preparing, and leveling the water treatment plant's yard in the appropriate form.- Decommissioning, loading, transportation, and unloading the old water pumps to the store of the directorate of Water in Al-Qurna water. | Engineers from Mercy Corps and Directorate of Water |
| Supply and install flow meter double flange, size 10" | Visual verification  | Supply and install flow meter double flange, size 10", made from steel of (Dutch, American, English, Danish, French, German, Japanese, Belgian)) | Engineers from Mercy Corps and Directorate of Water |
| Supply, install electrical water heater size 120L, power of (3000 watts |  | Supply, install electrical water heater size (Turkish or Iraq origin - Al-Tahan) with thermostat and heater with a power of (3000 watts), the price includes supply and fixing all connection joints that are necessary such a ( valves, vent pipes) and connect it with water network, connect it with the main electric network according to the specifications of Directorate of water. |  |

**Non-Conformance:**

* In case of non-conformance to any of the above detailed conditions, the contractor will be responsible to re-do the service to the satisfaction of Mercy Corps staff and maximum benefit for beneficiaries. Otherwise, the contractor will not be paid for the provided service. Additionally, the contractor will be forfeited for any damage that occurs because of improper implementation.
* The Contractor shall comply by removing all materials, equipments and tools marked as failing in an inspection or material tests are failed which lead to total partial failure. So that it is removed outside the site of project and/or to a suitable location according to the recommendations of relevant department and the Mercy Corps engineer and in accordance with the Iraqi laws in force in this regard.
* The above QC plan is considered a major part of the monitoring and evaluation plans when carrying out the work. Mercy Corps will not pay any amounts related to the quality control procedures, required tests and action in all of QC.
* The above plan points will be included as part of the contractor's evaluation processes later and a major indicator of his compliance with the work as stated in the contract and follow-up to the instructions of Mercy Corps engineers and the technical supervision committees from the competent authorities. This is to ensure that the best services are provided to the beneficiaries of the aforementioned project.
* The Contractor shall submit, in whole and not in part, to the entire above QC-plan. The mentioned points which includes proper planning at all stages of implementation to achieve the required inspections and control from the technical work team and thus reach the guarantee of access in the shortest and fastest way to achieve the best required quality in the stages of implementation, processing and final receipt.

**Visibility:**

* Mercy Corps may ask for Mercy Corps and donor logo visibility this WTP. Mercy Corps will advise contractors with specific visibility guidelines. Supplier/ contractor will not use any type of visibility without Mercy Corps’ consent.

**Location:**

* Mercy Corps provided the location of WTP in the SoW, which is Basra Governorate – Al-Qurna district.