

NATIONAL CALL FOR TENDER - ACTED Iraq**INSTRUCTIONS TO BIDDERS - ACTED Iraq**

Date: 24/08/2020

Tender N°: T/10DVI/57F/RWI/ERB/24/08/2020/001

ACTED (Agency for Technical Cooperation and Development) is implementing a humanitarian aid project and inviting contractors to submit offers for the Rehabilitation of water infrastructures in Ninawa Governorate - Mosul District. ACTED is requesting through this tender a company to provide detailed written quotations for the following works:

GENERAL WORKS DESCRIPTION

1. Description: REHABILITATION OF AREEJ WTP, NINAWA GOVERNORATE, MOSUL DISTRICT, HAMAM AL-ALIL SUBDISTRICT
2. Product class / category: Works / Engineering
3. Product stage: Finished (Full scale and operational)
4. INCOTERM: DDP – Areej WTP, Hamam Al-Ali, Mosul - Nineveh

Lot	Description	INCOTERMS/ Delivery point	Delivery deadline
1	Rehabilitation of Areej Water Treatment Plant Mechanical and Civil work	Areej, Hamam Al Ali, Mosul-Nineveh 36.19585, 43.21928	8 weeks after the contract signature
2	Rehabilitation of Areej Water Treatment Plant Electrical work	Areej, Hamam Al Ali, Mosul-Nineveh 36.19585, 43.21928	

RESPONSIBILITIES OF THE CONTRACTOR:

1. Terms of delivery: _____ (DDP Areej WTP, Mosul-Nineveh) Mandatory
2. Date of delivery: _____
3. Validity of the Offer: _____ 6 months recommended

TENDER PROCESS TIMEFRAME**Site Visit:**

Due to the current situation and the COVID -19 outbreak, the site visit will not be conducted. For detailed information about the project, please refer to page 8 to 15, and the attached Annex A (pictures of the worksite).

14/09/2020 – 4 PM: Bid closing date

Any and all bids submitted after this date will not be considered eligible.

THE ANSWER TO THIS TENDER SHOULD INCLUDE THE FOLLOWING ELEMENTS:

- Signed and stamped “Instructions to Bidders” “Bidders questionnaire” (**Compulsory**), “Technical Evaluation” (**Compulsory**), “Offer Form” (**Compulsory**), “Bidder’s Checklist” (**highly recommended**) and “Ethical declaration” (**Compulsory**)
- Company registration papers (**Compulsory**)
- List and evidence of experience undertaking similar work: Completion certificates, contracts with references (**Compulsory**)
- Other supporting documents (If applicable)
- Datasheets, catalogues, or any other supporting technical documents are appreciated
- Signed and stamped financial offer form (**Compulsory**)
- Full bidder’s name and address
- Copy of the bidder’s Identification Documents (ID) (**Compulsory for contract awarding not tender administrative eligibility**)
- Organigram and List of key personnel allocated to the project for management and technical support with updated CVs (**Compulsory**)
- List and evidence of company assets allocated to the project with ownership/rent proof
- Gantt chart of the activities (**Compulsory**)
- Certificate of Origin (**If requested**)
- Proof of Financial Capacity (bank statements/Financial Reports)

GENERAL CONDITIONS:

1. The **closing date** of this tender is on **14/09/2020 at 16:00 (Local time in Iraq)**. All the documentation must be sent at ACTED office at the following address(es):
 - **ACTED representative office in Erbil, IRAQ** (6th street (Khabat street) on the right after Ankawa intersection, 1st street on the right, House #: 240/1/467 Hadiyab quarter, Ainkawa, Erbil, Iraq)

Or emailed to both: iraq.tender@acted.org Cc tender@acted.org. **In case of electronic submission, please:**

 - Mention the **tender reference number** mentioned above in the subject tab.
 - Fill the tender document, sign, stamp, scan and send them. **Electronic stamp and signatures are not acceptable.**
2. All documents shall be submitted in English. Certificates and official documents shall be submitted in English, Arabic and/or Kurdish.
3. The Arabic version of the document is shared for information purpose only. Please refer to the English version for any inquiries.
4. Bidders will fill, sign, stamp and return **all pages** of this document according to ACTED’s format. (**Compulsory**)
5. The bidder should demonstrate his technical, financial, human resources and logistic capacity to implement all the submitted lots or sites, according to the work plan in the requested completion time.
6. The final offer must be submitted to ACTED logistics department in a **sealed envelope with the mention “T/10DVI/57F/RWI/ERB/24/08/2020/001 – Not to be opened before 14/09/2020”** Or by E-mail to both: iraq.tender@acted.org Cc tender@acted.org.
7. Unsealed envelopes and late bids will automatically be rejected.
8. The quotation will not directly result in the award of the contract.
9. Prices are mandatory in US Dollar (USD) (**Compulsory**)
10. The BOQ might be subject to modification according to work implementation. A contract amendment will be required shall this modification be superior to 10 Points of the total amount of the contract.
11. Bidders can apply for more than one lot if desired, noting that each lot/site can be awarded to different suppliers, according to scoring criterion.

12. In case of any calculation mistakes, the unit price will be considered.
13. In case of miscalculation of prices, please discard the page. Any alterations, including the use of correction fluid (white ink), will render your offer invalid.
14. The contractor shall follow Iraqi Standards for construction activities: Guidelines and Technical Specifications of Iraq (IGTS), Specifications of Housing and Reconstruction, Republic of Iraq, Specifications of Iraqi State Organization for Roads and Bridges (SORB), National Environmental Guidelines, Work Safety Policies, Testing Specifications (NCCL&R).
15. During the implementation of this project, the successful bidder will report technically to ACTED WASH Programme Manager and ACTED Site Supervisor.
16. The successful bidder shall demonstrate enough liquidity and financial capacity to implement the project with partial reception of payment or in case of transfer delays due to *force majeure*.
17. To ensure that funds are used exclusively for humanitarian purposes and in accordance with donors' compliance requirements, all contract offers are subject to the condition that contractors do not appear on anti-terrorism lists, in line with ACTED's anti-terrorism policy. To this end, ACTED reserves the right to carry out anti-terrorism checks on contractor, its board members, staff, volunteers, consultants, financial service providers and sub-contractor.

NOTE: ACTED adopts a zero tolerance approach towards corruption and is committed to respecting the highest standards in terms of efficiency, responsibility and transparency in its activities. In particular, ACTED has adopted a participatory approach to promote and ensure transparency within the organization and has set up a Transparency focal point (Transparency Team supervised by the Director of Audit and Transparency) via a specific e-mail address. As such, if you witness or suspect any unlawful, improper or unethical act or business practices (such as soliciting, accepting or attempting to provide or accept any kickback) during the tendering process, please send an e-mail to transparency@acted.org.

SPECIFIC CONDITIONS:

1. All units of measurement shall be in accordance with the S.I. system of metric unit.
2. Bidders should provide their offer in accordance to the BoQ and Technical Specifications provided.
3. Bidders must present a valid copy of all their registration within Ninawa Governorate – Federal Iraq or demonstrate capacity to be legally able to work in the area before the signature of the contract.
4. ACTED reserves the right to contact previous experiences and any financial or security authority for verification.
5. The supplier should obey all the specific conditions and details mentioned in the statement of work (SoW)
6. The contractor will adhere to the ACTED Environmental Management and Monitoring Plan (EMMP):
 - a) During the construction phase of the project
 - b) During the operational phase of this project
 - c) Both phases must include the following topics, but not limited to:
 - Soils, Geotechnics, Geology and Hydro-geology
 - Emergency Manual and Emergency Contingency Plan
 - Water resources (surface and groundwater protection)
 - Air quality
 - Noise and Vibration
 - Public Health & Safety (Staff and residents).
7. Construction period: **Eight (8) WEEKS OVERALL**. Bidders need to provide a clear construction work plan in the form of a Gantt Chart with clearly established working days, amount of labour work and activity description. The work plan must be coherent with the Bill of Quantities (BoQ) and all technical specifications for each site, including two (2) weeks of support for the commissioning period.
8. During the two (2) weeks period, the contractor is requested to mobilize all resources to the field and make necessary procurement to start work at site level. In addition, this period will be reflected by a warranty held until the end of the handover and assisted operation period. Noteworthy that the construction or implementation period starts from the date in which both parties sign the site handover.

Selection method:

A tender opening committee will be organized, during which all offers received will be opened, except the ones received after the submission deadline. An administrative check will be conducted, to make sure all mandatory documents have been included in the received bids. Bids without all mandatory documents are considered ineligible and are not further considered in the selection process (out of the PRO-08 - Procurement Memo).

The highest total score method will apply. The total score (100 points maximum) as below:

Financial: 40 points

All eligible offers administratively will be financially checked and scored according to the Total price in USD, a Financial Score (40 points maximum) is calculated (Lowest Total Price (USD)/Supplier Total Price (USD) * 40).

Shortlisted bids will be sent to the Program department to conduct the Technical Evaluation (60 points maximum)

Technical: 60 points

#	CHAPTER	SCORE	TERMS
a.	Work experience	24 Points	<ul style="list-style-type: none"> General work : 3 Points Particular work : 15 Points NGO experience : 6 Points
b.	Personnel	18 Points	<ul style="list-style-type: none"> Management personnel : 3 Points Technical personnel : 15 Points
c.	Company Assets	12 Points	<ul style="list-style-type: none"> List and written proof (registration, model, year, etc.)
d.	Service Works Proposal	6 Points	<ul style="list-style-type: none"> Logical sequence of the works breakdown. 3 Points Timeframe compared to the project duration. 3 Points
TOTAL		60 Points	
Minimum required :		40 Points	<p>or if one of the following disqualifying factors applies:</p> <ul style="list-style-type: none"> -Zero proven experience in the field of the service the supplier is applying for. -Proposed workplan is not fit to the project duration. -Origin/ specification is not fit or not equivalent to the one described in the tender documents.

- **QUALITY (PASS/FAIL): CONFORMITY WITH THE TECHNICAL SPECIFICATIONS FOR SOME CHOSEN ITEMS AFTER SELECTION PROCESS.**

1. Evaluation of the financial proposal → 40 Points of the final Grade

The bidder receiving the highest Total Score (Financial score + Technical Score) and having passed the quality check for all chosen items will be awarded the procurement contract.

Name & Position of Bidder's authorized representative _____

Authorized signature _____

Stamp

END OF INSTRUCTIONS TO BIDDERS

Technical Evaluation - ACTED Iraq

• Work Experience 24 Points

Note: Use a separate sheet to elaborate

Table 1: Company Experience

#	PROJECT NAME	CLIENT	LOCATION	DURATION "DATE FROM TO"	PROJECT VALUE	CLIENT NAME	TYPE	REFERENCE CONTACT DETAILS

Evaluation in terms of:

- General work Experience (total years and experience in the field) 3 Points
- Particular work experience relevant to the scope that includes: 15 Points
 - o Experience in water infrastructure rehabilitations (Such as treatment units, Booster pump station and Water network rehabilitations projects), civil works, electrical, Sanitation and emergency
 - o Experience working with INGOs in same context (Ninawa Governorate), ACTED experience is an asset
 - o Projects Duration, Budget and References.
 - o Total value of the completed Projects.
- Experience with NGO as a client (reference crosschecked) : 6 Points

• Personnel (Both General and allocated to the project) 18 Points

The offer must include a detailed CV for each staff, clearly integrating and representing the Management Structure and Technical Support Structure.

Minimum requirements are set per rehabilitation lot expect for the management structure:

Management Structure:

1. General Manager
2. Senior Project Manager
3. Admin/Finance Officer
4. HR Officer
5. Procurement officer
6. Safety and Security officer

Technical Support & field staff Structure: Could be shared between sites, if sequence of the proposed activities in the work plan allows:

- Main Site Supervisor/Engineer 5+ Years' Experience.
- Head Civil Engineer 7+ Years' Experience.
- Mechanical Engineer 5+ Years' Experience.
- Electrical engineer 5+ years experience.
- 3 plumbers 10+ years experience
- 2 Head Foreman +10 years experience
- electrician + 10 years experience

The evaluation is in terms of:

- Management Structure and Qualification (Academic Background and Total Number of Years of Experience): **3 Points**
- Technical Support & field staff Structure (Number and experience of Civil, Mechanical and Electrical Engineers): **15 Points**

The evaluation of the personnel shall take into consideration the company current ongoing projects compared to the scale of the tender and the required staff to complete the works on time and to maintain the quality standards.

Table 2: Management Structure

NAME	POSITION	ACADEMIC QUALIFICATION	TOTAL YEARS OF EXPERIENCE

Table 3: Technical Support & field staff Structure

NAME	POSITION	ACADEMIC QUALIFICATION	TOTAL YEARS OF EXPERIENCE

The offer has to include the detailed CV of each staff integrating the Management Structure and the Technical Support Structure.

• **Company Assets (Both general and allocated to the project) 12 Points**

- Minimum requirements depend on each site needs, as requested for completion in both quantitative and qualitative manner, the bidder should have, but not be limited to, the following per site: (one Jack hammer (Air compressor, electrical or hydraulic pecker attached to excavation machinery). 2 Sludge pump, Generator, Water truck 12 M3, Crane 6 Ton, Concrete cutter, Walk-behind roller/plate compactor that can fit into trench and Tipper truck)

ASSET	MODEL	NUMBER	OWNERSHIP STATUS

The evaluation should include:

- List of equipment owned by the company.
- Proof of ability to acquire the requested machineries (lease/framework agreement/ Machinery supplier confirmation)

The evaluation of the company assets shall take into consideration the company current ongoing projects compared to the scale of the tender and the required equipment to complete the works.

- **Proposed Work Plan 6 Points**

Please attach your Gantt Chart.

Evaluation in terms of:

- Logical sequence of the works breakdown.
- Timeframe compared to the project duration.

- **Notes:**

- Please note that the technical evaluation scoring is **weighted as 60 Points of the total tender score**.
- **ACTED will require an operation clearance letter and/or JCMC permission from Ninawa Governorate for the successful bidders.**
- Contractors scoring **less than 40 Points** of the total technical check score will be disqualified from proceeding with the bidding process or if one of the following disqualifying factors applies:
 - o Zero proven experience in the field of the service the supplier is applying for.
 - o Proposed workplan is not fit to the project duration.
 - o Origin/ specification is not fit or not equivalent to the one described in the tender documents.
- Contracts will be awarded to the highest-scoring offer (including technical and financial part).
- ACTED has the right to cancel any of the locations or projects listed under each lot if necessary based on the need on ground.
- The bidders have the right to apply for more than one lot, only if they prove their capabilities (in terms of Timeframe, Personnel, financial, technical and Equipment) to work on more than one lot simultaneously.
- If supplier apologised after he submits his offer, their later offers will be rejected for 6 months.
- The bidders cannot submit more than one offer under same company name.
- Each Bid shall include a unique Company representative and Signature, Phone Number, Stamp, and Email Address. And any similarities could be found will result in rejecting all related bidders.

Name & Position of Bidder's authorized representative

Authorized signatur

Statement of Work (SoW)

This statement should be read in conjunction with the tender Bill of Quantities and serve the purpose of providing more detailed breakdown of the operational environment and required activities. This project will supply water to 1,058 households and 6,291 individuals, the whole population of the villages around Hamam Al Alil, with coordinates: 36.19585, 43.21928 south of Mosul.

This project (Al-Aurij Al Jadid) is a water treatment plant (WTP) which supplies drinkable water to about seven villages around Hamam Al Alil.

The work has been requested by Ninawa Directorate of water (DOW). The initial BOQ was drafted by the DOW, after that edited and revised by ACTED engineers, and validated by the technical committee from the DOW. Coordination from the successful supplier with the DOW operators is necessary at all stages of the project implementation, handover, and operation.

The work includes:

1.Rehabilitation in Pumping unit which includes:

- Supply and installation of two multistage pumps
- Supply and installation of two split case pumps
- Supply and installation of two submersible pumps

2. Rehabilitation in coagulation unit which includes:

- Supply and installation of 1000 L plastic water tank
- Supply and installation of aluminum dosing pump
- Supply and installation of mixer

3.Rehabilitation in chlorination system which include:

- Supply and installation of 1000 L plastic water tank
- Supply and installation of chlorine dosing pump
- Supply and installation of mixer

4.Rehabilitation of filtration tanks which include:

- Maintenance of filtration tanks.
- Replacing filtration materials (sand and gravel)

5.Rehabilitation of rectangular sedimentation basin which includes:

- Cleaning sedimentation basins
- Replacing plastic sheets (lamella sheets)
- Supply and installation of two mixers.
- Supply and installation of 10 valves.

6.Electrical works

Workflow:

- DOW will nominate a supervising committee.
- After signing the contract, the site will be officially handed over to the bidder by ACTED engineers and supervising committee. Thereafter the supplier will be expected to establish site and commence activities.

- Samples of relevant materials shall be provided for quality check purposes such as (pumps, motors, valves, pipes, etc..), and where applicable and specified, technical certificates and certificates of origin must be made available.
- Weekly meetings will be conducted in the field, and the attendance of responsible project manager/engineer is mandatory.
- Additionally, a monthly meeting will be conducted where the General Manager/CEO's presence is mandatory.
- Upon completion of the work, the supervising committee and ACTED engineers will evaluate the works in accordance with the contractual BOQ. Without deviation in terms of quality standards and quantities, the site will be handed over to the DOW.
- A period of 3 months support to operations and maintenance of the installed items is required to ensure a smooth handover.

Specific conditions:

- The supplier is responsible for repairing any damage that occur while working (pumps, cables, pipes, tanks, etc...).
- Safety procedures to be considered while implementation. Thus, all the workers are to be provided with personal protective equipment (PPE).
- Provide certificate of origin for each of the items that will be utilized in the work and needs to be confirmed by DOW of Ninawa.
- The old pumps are moved by the contractor to a place that is determined by the DOW.
- Any change of the work happens by the agreement between DOW and Supplier without conformation from ACTED will not be considered by ACTED.
- Direction of the pipe installation should be consulted with the management of the pump station.

Further detail of how to implement the work:**1 Rehabilitation in Pumping unit which includes:****A) Supply and installation of two multistage pumps:**

- All the old existing pumps, motors, valves, and fittings to be removed carefully and transferred to a place confirmed by the management of the water treatment plant.
- Demolishing exist concrete base and cleaning site from all debris and wastes before installing the new pumps. And transfer the accumulated wastes to an area approved by local government or Municipality.
- Excavation all types of soil (hard + soft) or any other type of material to reach the depth of 15 cm and cleaning the site as mentioned above.
- Supply and installation one layer of reinforcement bar (item # 2.1) with providing clear cover of 5 cm through utilizing plastic cover.
- Installation of 90-degree bent anchor bolts (item # 2.2), distance between anchors will issued at the filed level based on the instructions from the supervisor Eng.
- Casting and pouring structural concrete (item # 2.3), it should be fully leveled to avoid misalignment of pumps.
- Supply and installing metal frame base (item # 2.4), it should be fully leveled to avoid misalignment of pumps.
- Supply and installation of 2 horizontal centrifugal multistage water pumps (item # 3.1) on metal base through M16 bolts as mentioned in BOQ for pushing water from filtrated tanks to beneficiaries, the work may require welding or drilling for making holes in metal base for mounting pumps on it..

- Supply and installation 2 electric inductive motor (item # 3.2) on metal base through M16 bolts as mentioned in BOQ for rotating pump impellers, the work may require welding or drilling for making holes in metal base for mounting motors on it..
- Supply and installation of 2 flanged shaft coupling (item # 3.3) for connecting motor with horizontal centrifugal multistage water pumps, the work include alignment of motor and pump shafts by utilizing laser alignment and stainless-steel shims as per required to prevent misalignment.
- Supply and installation of 2 gate valve (item # 3.4) on the suction side of existing pipeline, the work includes additional holes on the flanges if required.
- Supply and installation of 2x90° flanged reducing elbow (item # 3.8) between gate valve (item # 3.4) and double flange spigot on suction side.
- Supply and installation of 2 Double flanged spigot (item # 3.10) one of them between 90° flanged reducing elbow (item #3.8) and 90°elbow (item # 3.9) on suction side and other one between 90°elbow (item # 3.9) and new installed multistage pump (item # 3.1) .
- Supply and installation of 5 flanged 90°elbow (item # 3.9), four of them between double flange spigots (item # 3.10) on suction side and other on between flanged Single Sphere Rubber Expansion Joint (item # 3.13) and concentric reducer (item # 3.12) on discharge side.
- Supply and installation of 2 check valve (non-return valve) (item # 3.6) between new installed multistage pump (item # 3.1) and gate valve (item # 3.5) on discharge side.
- Supply and installation of 2 gate valve (item # 3.5) between check valve (item # 3.6) and flanged Single Sphere Rubber Expansion Joint (item # 3.13) on discharge side.
- Supply and installation of slip on flange (item # 3.14) on discharge side of exist pipeline, the work includes all cutting and welding works during installation of slip on flange.
- Supply and installation of concentric reducer (item # 3.12) between slip on flange (item # 3.14) and flanged 90°elbow (item # 3.9) on discharge side.
- Supply and installation of single flanged spigot (item # 3.11) between flanged Single Sphere Rubber Expansion Joint (item # 3.13) and DN250 exist cast iron header pipe, the work include all welding and cutting works that need while installing it on header pipe.
- Supply and installation of 4 water pressure test gauge (item # 3.7) on both suction and discharge side of the multistage pump, the work include supply and installing of DN15, PN16 ball valves before pressure gauges incase required.

B) Supply and installation of two split case pumps

- All the old existing pumps, motors, valves, and fittings to be removed carefully and transferred to a place confirmed by the management of the water treatment plant.
- Demolishing exist concrete base and cleaning site from all debris and wastes before installing the new blower pumps. And transfer the accumulated wastes to an area approved by local government or Municipality.
- Excavation all types of soil (hard + soft) or any other type of material to reach the depth of 15 cm and cleaning the site as mentioned above.
- Supply and installation one layer of reinforcement bar (item # 2.1) with providing clear cover of 5 cm through utilizing plastic cover.
- Installation of 90-degree bent anchor bolts (item # 2.2), distance between anchors will specify by supervisor Eng.
- Casting and pouring structural concrete (item # 2.3), it should be fully leveled to avoid misalignment of pumps.
- Supply and installing metal frame base (item # 2.4), it should be fully leveled to avoid misalignment of pumps.

- Supply and installation of 2 horizontal Split-Case Centrifugal water pump (item # 4.1) on metal base through M16 bolts as mentioned in BOQ for pushing water from sedimentation basins to filtration tanks, the work may require welding or drilling for making holes in metal base for mounting pumps on it.
- Supply and installation 2 electric inductive motor (item # 4.2) on metal base through M16 bolts as mentioned in BOQ for rotating pump impellers, the work may require welding or drilling for making holes in metal base for mounting motors on it.
- Supply and installation of 2 flanged shaft coupling (item # 3.3) for connecting motor with horizontal Split-Case Centrifugal water pumps, the work include alignment of motor and pump shafts by utilizing laser alignment and stainless-steel shims as per required to prevent misalignment.
- Supply and installation of 2 gear box gate valve (item # 4.3) between exist suction pipeline and new installed horizontal Split-Case Centrifugal water pump (item # 4.1), the work include any modification in exist flange to be ready for connecting with the flange of new installed gear box gate valve.
- Supply and installation of 2 concentric reducer (item # 4.5) between new installed horizontal Split-Case Centrifugal water pump (item # 4.1) and flanged 90°elbow (item # 4.9) on discharge side.
- Supply and installation of 4 flanged 90°elbow (item # 4.9), two of them between concentric reducer (item # 4.5) and Double flanged spigot (item # 4.8) and others between flanged Single Sphere Rubber Expansion Joint (item # 4.10) and single flanged spigot (item # 4.6) on discharge side.
- Supply and installation of 2 Double flanged spigot (item # 4.8) between flanged 90°elbow (item # 4.9) and check valve (non-return valve) (item # 4.7) on discharge side.
- Supply and installation of 2 check valve (non-return valve) (item # 4.7) between Double flanged spigot (item # 4.8) and gear box gate valve (item # 4.4) on discharge side.
- Supply and installation of 2 gear box gate valve (item # 4.3) between check valve (non-return valve) (item # 4.7) and flanged Single Sphere Rubber Expansion Joint (item # 4.10) on discharge side.
- Supply and installation of 2 flanged Single Sphere Rubber Expansion Joint (item # 4.10) between gear box gate valve (item # 4.3) and flanged 90°elbow (item # 4.9) on discharge side.
- Supply and installation of 2 single flanged spigot (item # 4.6) between flanged 90°elbow (item # 4.9) and existing cast iron header pipe, the work include all cutting and welding works that required during installation of it on header pipe.
- Supply and installation of 4 water pressure test gauge (item # 3.7) on both suction and discharge side of the split case pump, the work include supply and installing of DN15, PN16 ball valves before pressure gauges incase required

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C) Supply and installation of two submersible pumps

- The old existing pumps and valves to be removed carefully and transferred to a place confirmed by the management of the water treatment plant.
- Supply and install of 2 Submersible pump (item # 5.1), the work include all modification from pipe flanges to be ready for installation new submersible pump and reinstalling and fixing of the pipe between submersible pump and check valve and connecting submersible pumps to available source of electricity.
- Supply and installation of 2 check valve (non-return valve) (item # 4.7) between exist pipeline and new installed gate vale (item # 5.2), the work include all modification from pipe flanges to be ready for installation new check valve.

- Supply and installation of gate valve (item # 5.2) between check valve (non-return valve) (item # 4.7) and exist pipeline, the work include all modification from pipe flanges to be ready for installation new gate valve.

2. Rehabilitation in coagulation unit which includes:

- Supply and installation of Plastic water tank (item # 6.1), shape should be horizontal as it helps for installing metal base (item # 6.2) for dosing pump and mixer.
- Supply and installation of metal base (item # 6.2) on the top of the plastic tank (item # 6.1) by four M16 bolts with nuts, for the dimensions of the base please go back to attached drawing.
- Supply and install alum sulphate dosing pump (item # 6.3) on metal base (item # 6.2) by four M16 bolts with nuts, the work include drilling or welding works for making holes in metal base that required for installing alum sulphate dosing pump.
- Supply and install mixer (item # 6.3) on metal base (item # 6.2) by four M16 bolts with nuts, the work includes drilling or welding works for making holes in metal base that required for installing mixer.
- Connecting plastic tank with source of water in pipeline by ½" UPVC pipe and fittings (item # 6.9, 6.12-6.16) to fill the plastic tank with water.
- Connecting alum sulphate dosing pump with sedimentation basins by 1" UPVC pipe and fittings (item # 6.5-6.11 except #6.9) to feed sedimentation basins with alum sulphate.

3. Rehabilitation in chlorination system which include:

- Supply and installation of Plastic water tank (item # 6.1), shape should be horizontal as it helps for installing metal base (item # 6.2) for dosing pump and mixer.
- Supply and installation of metal base (item # 6.2) on the top of the plastic tank (item # 6.1) by four M16 bolts with nuts, for the dimensions of the base please go back to attached drawing.
- Supply and install chlorine dosing pump (item # 6.3) on metal base (item # 6.2) by four M16 bolts with nuts, the work include drilling or welding works for making holes in metal base that required for installing chlorine dosing pump.
- Supply and install mixer (item # 6.3) on metal base (item # 6.2) by four M16 bolts with nuts, the work includes drilling or welding works for making holes in metal base that required for installing mixer.
- Connecting plastic tank with source of water in pipeline by ½" UPVC pipe and fittings (item # 6.9, 6.12-6.16) to fill the plastic tank with water.
- Connecting chlorine dosing pump with filtrated water storage by 1" UPVC pipe and fittings (item # 6.5-6.11 except #6.9) to feed filtrated water storage with chlorine.

4. Rehabilitation of filtration tanks which include:

- Removing all existing materials (sand, gravel, mud) (item # 7.1) inside filtration tanks either by manpower or sludge pump and transferring them to a location authorized by local municipality or relevant authority.
- Carry out maintenance of any damage or bends in the floor of nozzle base inside filtration tanks (item # 7.3), the work includes stiffening the base by channel that mention in BOQ wherever required. and closing all holes and cracks in the floor of nozzle base and in filtration tanks by welding and cutting corroded area with enough dimension and replacing it by new (10-12mm) iron plate and welding it after that cleaning tanks from debris that remained

- Painting inside of filtration tanks by food epoxy (item # 7.4), at first all nozzles should be removed and transferred to a place that specified by WTP management after that perfect cleaning for the surface by utilizing sand paper and perfect washing for the inside tanks and it should be completely dry before painting after that painting inside filtration tank with at least 2 layer of food epoxy.
- Supply and install PVC Filter nozzle (PVC sand filter nozzle) (item # 7.2), all nozzles should be check before installing regarding its slots and tightening, in case any nozzle part of its slot closed it will be rejected directly and should be 600 nozzles per each tank.
- Painting outside of filtration basins by oil based paint (item # 7.5), at first the surface should be clean by utilizing sand paper then perfect washing for the surface after that it should be completely dry before painting finally painting it with at least two layer of oil based paint, the color would be selected by supervising committee.
- Supply and laying gravels (item # 7.6) with four layers on floor base of nozzles, each layer 10cm in thickness, particle size for first layer (17-34mm) and for second layer (13-17mm) and for third layer (9-13mm) and for fourth layer (6-9mm), each layer should be leveled before laying next layer, the material should be specialized for water filtration purpose and free from impurities.
- Supply and laying sand (item # 7.7) with on layer of 40cm in thickness directly on the last layer of gravel, the layer should be leveled after pouring all quantity, the particle size mentioned in BOQ and should be specialized for water filtration purpose and free from impurities.
- Supply and installation of check valve (non-return valve) (item # 7.8) on discharge side, the work include removing exist check valve and transferring it to place that specified by WTP management and all welding ,cutting works and modification in flange of exist pipeline to be ready for installing new check valve.
- Supply and installation of 12 butterfly valve (item # 7.9) on discharge side, the work include removing exist valves and transferring them to a place that specified by WTP management and all welding ,cutting works and modification in flange of exist pipeline to be ready for installing new butterfly valves.
- Supply and installation of 4 water pressure test gauge (item # 7.10) on both suction and discharge side of the split case pump, the work include supply and installing of DN15, PN16 ball valves before pressure gauges incase required.

5. Rehabilitation of rectangular sedimentation basin which includes:

- Cleaning of two sedimentation basins with one Collection/equalizing basin from all type of material (mud, sedimented material, wastes, etc.....)(item # 8.1) either by manpower or sludge pump, at first plastic sheets (lamella sheet) inside sedimentation basins should be removed after that removing materials inside basins and transferring them to an area that specified management of WTP, the work include perfect washing for basins after cleaning it.
- Supply and installation of sedimentation plastic sheets (lamella sheets) (item # 8.2) inside sedimentation basins, length of sheets, inclined angle of sheets, distance between sheets, distance between base of basins and sheets and distance between water inlet to sheets will be specify supervisor engineer to get water with turbidity under 5 NTU, the basins should be clean before and after installing sheets.
- Supply and install 4 vertical mixers (2 X item # 8.3, 2 X item 8.4) on exist metal bases at the top of sedimentation basins, the work includes all welding, cutting, and drilling works to prepare metal base for installing vertical mixer.
- Supply and installation of single flanged spigot (item # 8.5) on sedimentation basins at bottom, the work include all cutting, welding works for removing all exist valves, spigots (DN50) on sedimentation basins and transferring them to an area that specified by management of WTP after that installing new single spigots.

- Supply and installation of butterfly valve (item # 8.6) between tow single flanged spigots (item # 8.5 & item # 8.7), the work include providing and installing new rubber washers, bolts, and nuts during installing valves.
- Supply and installation of single flanged spigot (item # 8.7), flanged end connected to butterfly valves (item # 8.6) and other end free to open concrete channel, the work include providing and installing new rubber washers, bolts, and nuts during installing valves.
- Supply and installation of pipe (item # 8.8) to elongate overflow pipe of sedimentation pipe, one end welded with exist pipe and other end will be free to open concrete channel, the work include all welding, cutting works for installing pipe.

6. Electrical Works (Item #9):

1. Installation of cable (Item #9.1) to providing power to the MCCB of WTP the supplier should remove the old cable and replace it with the new cable and connect it between the outdoor transformer, MCB (Item #9.7), Main distribution board (Item #9.8), and Generator, the supplier must use terminals cable for both ends of it by using a suitable tools (crimping tool) and fixing the cable by cable tray (Item #9.6).
2. Installation of cable (Item #9.2) to providing power to the Multi stage starter board item #9.9 the supplier should remove the old cables and replace it with the new and connect it between the MCB 400A of distribution board (Item # 9.8), 2 multistage starter and then to the multistage pump as discussed in the name plate fixed on the motor(star, delta) and in the same sequence (R,S,T) to ensure proper and safe operation of the motor, by using cable terminals for all ends of cable by using a suitable tools (crimping tool) and fixing the cable by cable tray (Item #9.6).
3. Installation of cable (Item #9.3) to providing power to the Split case pump the supplier should remove the old cable and replace it with the new cable and connect it between the power board (Split case starter), and Split case pump as discussed in the name plate fixed on the motor(star, delta) and in the same sequence (R,S,T) to ensure proper and safe operation of the motor, the supplier must use cable terminals for all ends of the cable by using a suitable tools (crimping tool) and fixing the cable by the cable tray (Item #9.6).
4. Installation of cable 4x2.5mm² Item#9.4 that used for providing power to the alum and chlorine solution dosing pumps with its mixer (Items #6), and sedimentation basins mixers (Items #8.3&8.4), and the supplier should remove the old cable and replace with the new cable and connect it to the motors of the above mentioned items from one side as discussed in the name plate fixed on the motor and in the same sequence (R,S,T) to ensure proper and safe operation of the motors, then to the control panel from the other side, the supplier must use terminals cable for both ends of the cable using a suitable device to fix them at the end of the cable (crimping tool)and fixing the cable by the cable try (Item#9.6).
5. Installation of flood light item #9.5 in the places that specify by supervising committee and connect it by installed cable 2x2.5mm² (Item#9.5.1) to source point that used for providing power to the floodlight.
6. Installation of electrical metal box (Item #9.7) after removing the old box and replace it with the new.
7. Installation of circuit breaker MCCB NSX630N (Item #9.7.1) inside the electrical box (Item #9.7).
8. Installation of electrical metal box with insulated copper busbar size 50x6.3mm for 630A, size 30x5mm for 400A and 20x5mm for 150A, also include all necessary accessories like try cable, rail, led indicator lamps, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly (Item #9.8) after removing the old box and replace it with the new.
9. Installation of Multimeter (Item #9.8.1) on the door of the new metal box item #9.8.
10. Installation of 2 circuit breaker MCCB NSX630N with mechanical interlock (Item #9.8.2) inside the electrical box (Item #9.8).

11. Installation of 5 circuit breaker MCCB NSX400N (Item #9.8.3) inside the electrical box (Item #9.8).
12. Installation of 2 circuit breaker MCCB NSX150N (Item #9.8.4) inside the electrical box (Item #9.8).
13. Installation of 2 circuit breaker MCCB NSX100N (Item # 9.8.5) inside the electrical box (Item #9.8).
14. After completion of main distribution board must connecting all exist cables as specified by supervisor committee.
15. Installation of 2 electrical metal box (Item #9.9) after removing the old box and replace it with the new.
16. Installation of 2 electrical starter type (star-delta) for multistage pump (Item #9.9.1) inside metal box (Item #9.9). The work includes installation of all necessary accessories like try cable, Rail, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.
17. Installation of 2 electrical metal box for submersible pump (Item #9.10) after removing the old box and replace it with the new.
18. Installation of 2 electrical starter type (star-delta) for submersible pump (Item #9.10.1) inside metal box (Item #9.10). The work includes installation of all necessary accessories like try cable, Rail, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly and connecting the exist cables as specified by supervisor committee.
19. Rehabilitation of electrical power board (Item #9.11):
 - Installation of 2 Electrical starter type (star-delta) for Split-case pump (Item 9.11.1) after removing the old.
 - Installation of 8 circuit breaker (Item #9.11.2) if need to replace after removing the old.
 - Installation of 8 contactor (Item # 9.11.3) with overload protection relay. if need to replace after removing the old.
 - Installation of phase failure and phase sequence protection relay (Item #9.11.4). if need to replace after removing the old.
 - installation Led indicator lamp (Item #9.11.5) after removing the old.
 - Installation of multimeter (Item #9.11.6).
 - Installation of Control Push Button Switch (Item #9.11.7), after removing the old.
 - Installation of all necessary accessories like cable tray, Rail, insulators, connectors, terminals, copper wiring, bolts, nuts, to finish the work properly (Item #9.11.8) after removing the old.
 - After completing must connecting the exist cables as specified by supervisor committee.
20. Installation of air conditional (Indoor and outdoor unit) and connecting it to the source electric point (Item #9.12).
21. All the removed items to be transferred to a location specified by supervisor committee.

OFFER FORM - ACTED Iraq

Date: ____/____/____

Tender N°: T/10DVI/57F/RWI/ERB/24/08/2020/001

To be filled by Bidder (COMPULSORY)**Details of Bidding Company:**

1. Company Name: (_____)
 2. Company Authorized Representative Name*: (_____) *Please include a copy of the representative's ID
 3. Company Registration No: (_____)
No/Country/ Ministry
 4. Company Specialization: (_____)
 5. Mailing Address (Physical Address): (_____)
Country/Governorate./City/St name/Shop-Office No
-
- a. Contact Numbers: (Land Line: _____ / Mobile No: _____)
 - b. E-mail Address: (_____)

I undersigned _____, agree to provide ACTED, non-profit NGO, with items answering the following specifications, according to the general conditions and responsibilities that I engage myself to follow

Important Note:

- Please note all scores will be calculated proportionally (the maximum number of scores will be awarded to a bidder providing the most of the experience/ the highest number of workers and/or equipment/ and/or best price against the specific line. All other bidders will be scored proportionally).

PLEASE FILL IN THE FOLLOWING TABLES, ONE FOR EACH LOT: (Bidders can apply for one lot or more).

LOT 1: Rehabilitation of Areej Water Treatment Plant Mechanical and Civil work (36.19585, 43.21928)

Activity	Item	Item description	وصف الفقرة	Unit	Qty	Unit Price (USD)	Total Price (USD)
1.0 Site preparation	1.1	Supply tools, manpowers, machines to remove old (pumps, motors, valves, pipes and fittings) 4 pumps (1 multi stage pump, 1 split case, 2 single satge) with their own motors plus 1 submersable pump are expected to be removed with their fittings, all the removed items to be transferred to a location specified by supervisor committee.	توريد الأدوات والايدي العاملة والآلات اللازمة لإزالة القديم من المضخات والمحركات والصمامات والأنابيب والملحقات من المتوقع إزالة 5 مضخات و 4 محركات مع تجهيزاتها ، وسيتم نقل جميع العناصر التي تم إزالتها إلى مكان تحدده لجنة الاشراف.	l.s	1		
	1.2	Supply required machinery such as Jackhammer, cutter machine or any other type of equipment to demolish concrete (reinforced or mass) layer (on average 15-20 cm).	توريد الآلات المطلوبة مثل جل همر أو آلة القطع أو أي نوع آخر من المعدات لهدم طبقة الخرسانة (المسلحة أو الكتلة) سمك 15-20 سم).	m2	4		
	1.3	Excavation all types of soil (hard+soft) or any other type of material to reach the depth of 15 cm by using manpower or appropriate machinery if required	حفر جميع أنواع التربة (صلبة + لينة) أو أي نوع آخر من المواد للوصول إلى عمق 15 سم باستخدام الايدي العاملة أو الآلات المناسبة إذا لزم الأمر	m3	1		
	1.4	Supply equipment and machinery to transfer the excavated material and demolished debris from the site to a location authorised by local municipality or relevant authority.	توريد معدات وآلات لنقل المواد والحطام المهدم من الموقع إلى موقع مرخص من البلدية المحلية أو السلطة المختصة.	m3	2		
2.0 Concrete and metal frame base	2.1	Supply and installing one layer of reinforcement bar (Ø12 @15 cm c/c) in both direction.	تجهيز وتركيب طبقة واحدة من حديد التسليح (Ø12 @ 15 cm c / c) في الاتجاهين.	kg	100		
	2.2	Installation of 90 degree bent anchor bolts, size: 16mm, material: galvanized iron, top end threaded, include iron washer and nut. Other end must be hucked by 90° about 30cm, total length: 60cm.	تركيب رول بولت للتثبيت ، الحجم: 16 ملم ، المواد: حديد مجلفن ، نهاية مسننة ، تشمل واشر حديد وصامولة. يجب أن يتم توصيل الطرف الآخر بزاوية 90 درجة حوالي 30 سم ، الطول الكلي: 60 سم.	No	24		
2.0 Concrete and metal frame base	2.3	Casting and pouring structural concrete (concrete strength 25Mpa cubical), the work include all shuttering (smooth), curing, good finishing and leveling of concrete surface, thickness 20 cm.with	صب وسكب الخرسانة الإنشائية (قوة الخرسانة 25Mpa مكعبي) ، يشمل العمل الانتهاء الجيد لسطح الخرسانه و المعالجة وتسوية سطح الخرسانة ، سمك 20 سم. ابعاد 220*110 العمق الكلي للطبقة الخرسانية هو 20 سم ، 15 سم	m³	2		

		110 by 220 cm width and legth respectively total depth of the concrete layer is 20 cm, 15 cm below ground -or top of concrete - and 5 cm above ground. The level must not have deviation of more than 0.05mm to avoid misaligning pumps.	تحت الأرض - أو أعلى الخرسانة - و 5 سم فوق الأرض. يجب ألا يكون للانحراف مستوى أكثر من 0.05 ملم لتجنب المحاذاة الخاطئة للمضخات.				
	2.4	Supply and installing metal frame base, material: Galvanized section, shape: U channel, section dimension: 100x48x5.3mm height, flange width, web thickness respectively, dimension of frame: 1x2m width, length respectively and welding four partition with the same specification of frame along the length of frame (2m), distance between partition depend on dimension of new installed pumps and motors, the work include installing frame on concrete base by six available anchor bolts.	تجهيز وتركيب القاعدة المعدنية، المادة: مقطع مجلفن ، شكل: قناة U ، أبعاد المقطع: ارتفاع 100x48x5.3mm ، ارتفاع، عرض الحافة و سمك المقطع على التوالي ، أبعاد الإطار: 1x2m عرض، الطول على التوالي واللحام أربعة أقسام بنفس المواصفات إطار على طول الإطار (2 م) ، وتعتمد المسافة بين التقسيم على أبعاد المضخات والمحركات المركبة الجديدة ، ويشمل العمل تثبيت الإطار على قاعدة خرسانية من خلال ستة بولتات ربط متوفرة.	No	4		
3.0 Supply and installation of horizontal centrifugal multi stage water pumps	3.1	Supply and installation of horizontal centrifugal multi stage water pump capacity 200m ³ /h, head: 90m, working by electrical motor with 90kw ,frame mounted, body material: cast iron, shaft and bearings: stainless steel, impellers: red brass, sealing element: stoplik style 9001B Gland Packing with specialised PTFE or similar heat insulation, inlet and outlet DN:200 with flange ends, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20, the work include all welding work and drilling of four holes and providing four M16 bolts with nuts and washers to mount on base frame.	تتجهيز وتركيب مضخة مياه طاردة مركزية أفقية متعددة المراحل سعة 200 م ³ / ساعة ، الارتفاع: 90 م ، تعمل بمحرك كهربائي بقدرة 90 كيلو واط ، مثبتة بالقاعدة ، مادة الجسم: حديد الصب ، الشفت والبولبرين الفولاذ المقاوم للصدأ ، البشارة: النحاس الأحمر ، العزل: Stoplik style 9001B Gland تغليف مع PTFE متخصص أو عزل حراري مماثل ، مدخل ومخرج DN: 200 بنهايات فلنجة ، مواصفات الفلنجة: قطر 340 مم ، عدد الثقوب: 8 ، قطر الفتحة: 23 مم ، حجم البراغي: M20 ، يشمل العمل جميع أعمال اللحام وحفر أربعة ثقوب وتزويد أربعة بولت M16 بصواميل مع الواشرات للتثبيت على إطار القاعدة.	No	2		
3.0 Supply and installation of horizontal centrifugal	3.2	Supply and installation electric inductive motor, type: (star-delta), protection: IP55, specification: 400v/159A, 50Hz, 1480rpm, 90kw, Eficency: 94.2, copper coil.	تجهيز وتركيب محرك حثي كهربائي ، نوع: (دلتا ستار) ، حماية: IP55 ، مواصفة: 400 / 159A ، 50 Hz ، 1480 rpm ، 90kw ، الكفاءة: 94.2 ، ملف نحاسي.	No	2		

multi stage water pumps	3.3	Supply and installation of flanged shaft coupling, type: bush-pin flexible flanged, material: flanges: high-grade cast iron, pins & nut: 316 stainless steel, rings: synthetic rubber, size: depends on size of both pump and motor shafts, the work include alignment of motor and pump shafts by utilizing laser alignment and stainless steel shims as per required to prevent misalignment.	تجهيز وتركيب فلنجات اقتران مرنة، نوع: bush-pin, المواد: الفلنجة: الحديد الزهر عالية الجودة ، البراغي وصمولة: 316 الفولاذ المقاوم للصدأ ، حلقات: المطاط الصناعي ، الحجم: يعتمد على حجم كل من المضخة وحجم شفت المحرك ، يشمل العمل محاذاة شفت المحركات والمضخات من خلال استخدام محاذاة الليزر حسب المطلوب لمنع المحاذاة غير الصحيحة.	No	4		
	3.4	Supply and installation of gate valve, DN 250, flange connection, PN16, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, flange specification: diameter 400mm, no.of holes: 12, hole dia: 23mm, bolt size: M20,	تجهيز وتركيب قفل بوابي ، DN 250 ، طريقة التوصيل: فلنجة ، PN16 ، المادة: جسم حديد الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، جذع الفولاذ المقاوم للصدأ ، العزل EPDM ، مواصفات الفلنجة: قطر 400 ملم ، عدد الثقوب : 12 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20 ،	No	2		
3.0 Supply and installation of horizontal centrifugal multi stage water pumps	3.5	Supply and installation of gate valve, DN 200, flange connection, PN16, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	تجهيز وتركيب قفل بوابي ، DN 200 ، طريقة التوصيل: فلنجة ، PN16 ، المواد: جسم حديد الدكتايل ، سماكة الطلاء باللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، الشفت من الفولاذ المقاوم للصدأ ، العزل EPDM ، مواصفات الفلنجة: قطر 340 مم ، عدد الثقوب : 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20 ،	No	2		
	3.6	Supply and installation of check valve (non-return valve), DN 200, PN16, body material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, disc, springs: stainless steel, gasket: graphite non asbestos, certification: ISO9001, flange connection, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	تجهيز وتركيب صمام باتجاه واحد (جك ولف) (صمام عدم الرجوع) ، DN 200 ، PN16 ، مواد الجسم: حديد الدكتايل ، سماكة الطلاء باللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، البوابة والنايض: الفولاذ المقاوم للصدأ ، الواسرات: الجرافيت وليس الأسبست ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 340 مم ، عدد الثقوب: 8 ، قطر الفتحة: 23 مم ، حجم الترياس: M20	No	2		
	3.7	Supply and installation of water pressure test guage, Dial size : 50.8mm, Process connection : DN15 NPT male, Case : Black steel case, Window : Clear plastic, Dial plate : aluminum, with pointer stop, Pointer : Aluminum, black, DIN style, Boudon tube : Copper alloy, Connection : Brass, Accuracy : +/-3-2-3	تجهيز وتركيب مقياس ضغط المياه ، حجم القرص: 50.8 ملم ، نقطة الربط: DN15 NPT سن خارجي ، الجسم: هيكل من الفولاذ الأسود ، النافذة: بلاستيك شفاف ، الإطار: الألومنيوم ، مع مسند توقف المؤشر ، المؤشر: المنيوم أسود ، نمط DIN ، أنبوب بودون: سبائك النحاس ، التوصيل: نحاس ، الدقة: +/-3-2-3% ، نطاق الضغط: bar16-0 ،	No	8		

		Points, Pressure range : 0-16bar, double scale(psi, bar), Working temperature :-20 to 60 deg C.	مقياس مزدوج (psi ، بار) ، درجة حرارة العمل: -20 إلى 60 درجة مئوية.				
3.0 Supply and installation of horizontal centrifugal multi stage water pumps	3.8	Supply and installation of 90° flanged reducing elbow, DN250 to DN200, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 400mm & 340mm, no.of holes: 12&8, hole dia: 23mm, bolt size: M20, the work include all required cutting and welding work.	تجهيز وتركيب عكس مصغر بزاوية 90 درجة ، DN250 إلى DN200 ، مادة: حديد الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، معيار الجودة: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 400 ملم و 340 ملم ، عدد الفتحات: 12 و 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20 ، يشمل العمل جميع أعمال القطع واللحام المطلوبة.	No	2		
	3.9	Supply and installation of flanged 90°elbow, DN 200, material:ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20.	تجهيز وتركيب عكس بزاوية 90 درجة ، DN 200 ، المادة: حديد الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، معيار الجودة: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 340 ملم ، رقم. ثقوب: 8 ، قطر الفتحة: mm23 ، حجم البراغي: M20.	No	5		
	3.10	Supply and installation of Double flanged spigot, DN200, length: 1000mm to 1500mm, material:ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20.	تجهيز وتركيب انبوب نهايات فلنجة ، DN200 ، الطول: 1000 ملم إلى 1500 ملم ، المواد: حديد الدكتايل ، سمك طلاء أزرق فاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، معيار الجودة: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 340 مم ، عدد الثقوب: 8 ، قطر الفتحة: 23 مم ، حجم التربيناس: M20.	No	4		
3.0 Supply and installation of horizontal centrifugal multi stage water pumps	3.11	Supply and installation of single flanged spigot, DN200, length: 300mm to 600mm, material:ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20. the work include all required cutting and welding work.	تجهيز وتركيب انبوب ذو فلنجة جهة واحدة ، DN200 ، الطول: 300 ملم إلى 600 ملم ، المواد: حديد الدكتايل ، سمك الطلاء باللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، المعيار: PN16 ، شهادة: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 340 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20. يشمل العمل جميع أعمال القطع واللحام المطلوبة.	No	1		
	3.12	Supply and installation of concentric reducer, DN250 to DN200, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001,	تجهيز وتركيب مصغر مستقيم ، DN250 إلى DN200 ، مادة: حديد الدكتايل ، سمك الطلاء الأزرق فاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، معيار الجودة: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات	No	4		

		flange connection, flange specification: diameter 400mm & 340mm, no.of holes: 12&8, hole dia: 23mm, bolt size: M20.	الفلنجة: قطر 400 ملم و 340 ملم ، عدد الثقوب: 12 و 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20.				
	3.13	Supply and installation of flanged Single Sphere Rubber Expansion Joint, size: 200mm, capable of absorbing of vibration and noise, allow for axial compression & extension, lateral deflection, also angular and torsional movement, resistance to abrasion and chemical erosion, flange, bolt and nuts material: carbon steel, cover and tube: EPDM, fabric: nylon, temperature resistance: -30C° to 170C°, 16bar, capable for rotating flanges, no gaskets required.	تجهيز وتركيب مفصل مطاطي ذو فضاء واحد بنهايات فلنجة ، مقاس: 200 ملم ، قادر على امتصاص الاهتزازات والضوضاء ، يسمح بالضغط المحوري والإطالة ، الانحراف الجانبي ، أيضاً الحركة الزاوية والالتواء ، مقاومة التآكل والتآكل الكيميائي ، الفلنجة ، البراغي و مواد الصواميل: فولاذ كربوني ، الغطاء والأنبوب: EPDM ، الياف ، مقاومة درجة الحرارة: -30 درجة مئوية إلى 170 درجة مئوية ، 16 بار ، بالامكان تدوير الفلنجات ، لا يلزم واشرات.	No	2		
3.0 Supply and installation of horizontal centrifugal multi stage water pumps	3.14	Supply and installation of slip on flange, DN250, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ both faces, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 400mm & 340mm, no.of holes: 12&8, hole dia: 23mm, bolt size: M20, the work include all required cutting and welding work during installation.	تجهيز وتركيب فلنجة ، DN250 ، المواد: حديد الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ وجهين ، PN16 ، قياسي: ISO2531 ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 400 مم و 340 مم ، عدد الثقوب : 12 و 8 ، قطر الفتحة: 23 مم ، حجم البرغي: M20 ، يشمل العمل جميع أعمال القطع واللحام المطلوبة أثناء التنبيت.	No	1		
4.0 Supply and installation of horizontal centrifugal split-case water pump unit	4.1	Supply and installation of horizontal Split-Case Centrifugal water pump capacity 225m3/h, head: 25m, compatible with 30kw motor, suitable for drinking water distribution, Frame mounted, body material: cast iron, shaft, bearings: stainless steel, impellers: red brass, sealing element: stoplik style 9001B Gland Packing with PTFE Heat Insulation, inlet and outlet DN200 with flange ends, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20, the work include all welding work to make four holes and providing four M16 bolts with nuts and washers to mount on base frame.	1 Split-Case تجهيز وتركيب مضخة مياه بالطرد المركزي ، kw ، متوافق مع محرك m30 ، الارتفاع: 25 / h225m3 ، مناسب لتوزيع مياه الشرب ، مثبت على الإطار ، مواد الجسم: الحديد ، الشفت و البوليرين: الفولاذ المقاوم للصدأ ، Stoplik style 9001B البشارة: النحاس الاحمر ، العزل: مدخل ومخرج PTFE تغليف مع العزل الحراري Gland مع نهايات فلنجة ، مواصفات فلنجة: قطر 340 ملم DN200 ، عدد الثقوب: 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: ، يشمل العمل جميع أعمال اللحام لعمل أربعة ثقوب M20 بصواميل وغسالات للتنبيت M16 وتزويد أربعة مسامير على إطار القاعدة.	No	2		

	4.2	Supply and installation electric inductive motor, Specification: (star-delta), protection: IP55, efficiency class: IE2, specification: 400v/54A, 50Hz, 1470rpm, 30kw, efficiency: 92.7, copper coil.	star-delta تجهيز وتركيب محرك حثي كهربائي ، المواصفات:) الدوران IE2 ، فئة الحماية IP55 ، حماية: ، الكفاءة: 92.7 ، ملف نحاسي. 1470kw دوروة /دقيقة ، 30 400v/54A ,50Hz	No	2		
4.0 Supply and installation of horizontal centrifugal split-case water pump unit	4.3	Supply and installation of gear box gate valve, DN200, flange connection, PN16, hand wheel operation, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, wheel material: ductile iron, flange specification: diameter 340mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	طريقة DN200 تجهيز وتركيب قفل بوابي كيربوكس ، تشغيل عجلة اليد ، المادة: جسم PN16 التوصيل: فلنجة ، حديد الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، الشفت الفولاذ المقاوم للصدأ ، العزل ، مادة اليد: حديد الدكتايل ، مواصفات الفلنجة: EPDM قطر 340 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 23 ملم ، حجم M20 البراغي:	No	2		
	4.4	Supply and installation of gear box gate valve, DN150, flange connection, PN16, hand wheel operation, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, hand wheel material: ductile iron, flange specification: diameter 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	طريق DN150 تجهيز وتركيب قفل بوابي كير بوكس ، يعمل يدويا ، المواد: جسم حديد PN16 توصيل: فلنجة ، الدكتايل ، سماكة طلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، الشفت من الفولاذ المقاوم للصدأ ، العزل ، مادة اليد: حديد الدكتايل ، مواصفات الفلنجة: EPDM قطر 285 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 23 ملم ، حجم M20 البراغي:	No	2		
	4.5	Supply and installation of concentric reducer, DN200 to DN150, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 340mm & 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20.	، مادة: حديد DN150 إلى DN200 تجهيز وتركيب مصغر ، داخليًا m الدكتايل ، سماكة طلاء أزرق فاتح $\leq 250\mu\text{m}$ ، شهادة: ISO2531 ، قياس: PN16 وخارجيًا ، طريقة التوصيل: فلنجة ، مواصفات فلنجة: قطر 340 mm ، حجم mm ، عدد الثقوب: 8 ، قطر الفتحة: 23 mm و 285 M20 البراغي.	No	2		
4.0 Supply and installation of horizontal centrifugal split-case water pump unit	4.6	Supply and installation of single flanged spigot DN150, length 500 to 700mm material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 285mm & 220mm, no.of holes: 8, hole dia:	، طول 500 150 DN تجهيز وتركيب انبوب دو فلنجة واحدة ، إلى 700 ملم مادة: حديد الدكتايل ، سمك طلاء أزرق فاتح ، ISO2531 ، قياس: PN16 داخليًا وخارجيًا ، $\leq 250\mu\text{m}$ ، طريقة التوصيل: فلنجة ، مواصفات ISO9001 شهادة: الفلنجة: قطر 285 ملم و 220 ملم ، عدد الثقوب: 8 ، قطر	No	2		

		23mm, bolt size: M20, the work include all required cutting and welding work.	يشمل العمل جميع M20 الفتحة: 23 ملم ، حجم البراغي: أعمال القطع واللحام المطلوبة.				
	4.7	Supply and installation of check valve (non-return valve), DN150, PN16, body material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, disc, springs: stainless steel, gasket: graphite non asbestos, certification: ISO9001, flange connection, flange specification: diameter 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	تجهيز وتركيب صمام باتجاه واحد (جك ولف) (صمام عدم ، مواد الجسم: حديد الدكتايل ، PN16 ، DN150 الرجوع) ، داخليًا μm سماكة الطلاء باللون الأزرق الفاتح ≤ 250 ، وخارجيًا ، البوابة مع النابض: الفولاذ المقاوم للصدأ ، ، ISO9001 المواصفات: الجرافيت ليس الأسبست ، شهادة: طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 285 ملم ، عدد الثقوب: 8 ، قطر الحفرة: 23 ملم ، حجم البراغي: M20،	No	4		
	4.8	Supply and installation of Double flanged spigot, DN150, length: 1000mm to 1500mm, material:ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20.	، الطول: DN150 تجهيز وتركيب انبوب ذو نهايات فلنجة ، 1000 ملم إلى 1500 ملم ، المواد: حديد الدكتايل ، سمك ، PN16 داخليًا وخارجيًا ، μm طلاء أزرق فاتح ≤ 250 ، طريقة ISO9001 ، شهادة: ISO2531معايير الجودة: التوصيل: فلنجة ، مواصفات الفلنجة: قطر 285 ملم ، عدد M20.الثقوب: 8 ، قطر الفتحة: 23 مم ، حجم البراغي:	No	4		
4.0 Supply and installation of horizontal centrifugal split-case water pump unit	4.9	Supply and installation of flanged 90° elbow, DN150, material:ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN16, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20.	، مادة: DN150 تجهيز وتركيب عكس بزاوية 90 درجة ، μm حديد الدكتايل ، سماكة طلاء باللون الأزرق الفاتح ≤ 250 ، ISO2531 ، المعايير القياسية: PN16 داخليًا وخارجيًا ، ، طريقة التوصيل: فلنجة ، مواصفات ISO9001شهادة: الفلنجة: قطر 285 ملم ، عدد الثقوب : 8 ، قطر الفتحة: 23 M20.ملم ، حجم البراغي:	No	4		
	4.10	Supply and installation of flanged Single Sphere Rubber Expansion Joint, DN150, capable of absorbing of vibration and noise,allow for axial compression & extension,lateral deflection,also angular and torsional movement, resistance to abrasion and chemical erosion, flange, bolt and nuts material: carbon steel, cover and tube: EPDM, fabric: nylon, tempreture resistance: -30C° to 170C° , 16bar, capable for rotating flanges, no gaskets required.	تجهيز وتركيب مفصل التمدد المطاطي احادي الفضاء ذو ، القادرة على امتصاص DN150نهايات فلنجة ، الاهتزازات والضوضاء ، تسمح بالضغط المحوري والإطالة ، والانحراف الجانبي ، وكذلك الحركة الزاوية والالتواء ، ومقاومة التآكل والتآكل الكيميائي ، مواد الفلنجات ، والبراغي ، والصواميل : فولاذ كربوني ، الغطاء والأنبوب: ،لياف ، مقاومة درجة الحرارة: -30 درجة مئوية EPDM إلى 170 درجة مئوية ، 16 بار ، قادرة على تدوير الفلنجات .	No	2		

5.0 Supply and installation of submersible pump	5.1	Supply and install of Submersible pump with capacity: 225m ³ /h, head(25-30)m, 1450-1500 rpm, medium: raw water, flange connection, outlet: DN150, material: suction, discharge and casing: ductile iron, shaft and impellers: stainless steel304 or bronze, Electrical motor details:3ph 380-400V, 50Hz, protection IP68, 1500rpm, (Delta-star), copper coil, power: 30kw, the work include providing efficiency curve (npsh)and cataloges to be Authentication by supervisor committee before supplying of pump and supplying all required material and connecting new installed pump to elctrical source.	تجهيز وتركيب مضخة غاطسة بسعة: 225 م ³ / ساعة ، ارتفاع (25-30) م ، ما بين 1500-1450 دورة في الدقيقة ، وسط العمل :ماء خام ، طريقة التوصيل: فلنجة، المخرج: مادة: سحب، تصريف وغطاء: حديد الدكتايل ، DN150 الشفت والبشارة: الفولاذ المقاوم للصدأ 304 أو البرونز ، 3 ، Hz ، 50 380-400V phتفاصيل المحرك الكهربائي: Delta- السرعة 1500دورة في الدقيقة ، (IP68الحماية ، يشمل العمل توفير kw) ، ملف نحاس ، الطاقة: Delta-star30 والكتالوجات المصادقة من قبل لجنة npshمنحنى الكفاءة () الاشراف قبل توريد المضخة وتوريد جميع المواد المطلوبة وربط المضخة المركبة الجديدة بالمصدر الكهربائي.	No	2		
	5.2	Supply and installation of gate valve, DN150, flange connection, PN16, material: Ductile Iron Body, light blue color coating thickness ≥250μm internally and externally, Stainless Steel Stem & wedge, EPDM Seals, flange specification: diameter 285mm, no.of holes: 8, hole dia: 23mm, bolt size: M20,	، اتصال فلنجة ، DN150تجهيز وتركيب قفل بوابي ، المواد: جسم حديد الدكتايل ، سمك الطلاء باللون PN16 داخليًا وخارجيًا ، الشفت من 250μmالأزرق الفاتح ≤ 250 ، مواصفات الفلنجة: EPDMالفولاذ المقاوم للصدأ ، العزل ، قطر 285 ملم ، عدد الثقوب: 8 ، قطر الحفرة: 23 ، M20حجم البراغي.	No	2		
	6.1	Plastic water tank size :1000L with wall thickness 4mm and base thickness 6mm, Made up of 100 Points virgin linear low-density polyethylene (LLDPE) Grade R 50035E. This material must complies with US and European recommendations and statutory regulations for drinking water tank production, 100 Points UV stablized, prevent algae formation, color: white	تجهيز وتركيب خزان مياه بلاستيك سعة 1000 لتر سماكة الجدار 4 ملم وسمك القاعدة 6 ملم ، مصنوع من 100 ٪ من (يجب أن R 50035E) الصف LLDPEالبولي إيثيلين تتوافق هذه المادة مع التوصيات الأمريكية والأوروبية واللوائح القانونية الخاصة بإنتاج خزان مياه الشرب ، مستقر 100٪ للأشعة فوق البنفسجية ، يمنع تكوين الطحالب ، اللون: أبيض	No	2		
6.0 Supply and installation of chlorine and aluminum sulphate dosing units	6.2	Supply and installation of metal base, made up of angle iron 5x5x0.3 cm, anti corrosion painted, the base should be installed on plastic water tank by for M16 bolt with nuts, find shape and dimension of metal base in attached drawing.	تجهيز وتركيب قاعدة معدنية ، مصنوعة من حديد بزاوية 5x5x0.35 سم ، مطلية ضد التآكل ، يجب تركيب القاعدة على خزان مياه بلاستيكي بواسطة براغي M16 مع صواميل ، وإيجاد شكل وأبعاد القاعدة المعدنية في المخطط المرفق.	No	2		
	6.3	Supply and install chemical dosing pump, discharge: 320L/h, 6 bar with elecitrical motor power:0.37kw,3ph- 230-400v, 50Hz, 1400rpm, 2-	تجهيز وتركيب مضخة الجرعات الكيميائية ، الضخ: 320 لتر / ساعة ، 6 بار مع قوة المحرك الكهربائية: 0.37 kw ، 3 230-400v ph ، 50Hz ، السرعة 1400 دورة في الدقيقة	No	2		

		1.15A, IP55, Cosø0.69, EN 34-1, the pump should be install on metal base by four M16 bolt with nuts.	، 1.15-2 A ، IP55 ، Cosø0.69 ، EN 34-1 ، يجب تثبيت المضخة على قاعدة معدنية بأربعة براغي M16 مع صواميل.				
6.0 Supply and installation of chlorine and aluminum sulphate dosing units	6.4	Supply and installing mixer, power:0.75kw,3ph- 380v, 50Hz, 915 rpm, 2.2A, IP55, Cosø 0.72, EN 60034-1, shaft and impellers should be stainless steel 304, the length of shaft enough for mixing water with chemical material, the mixer should be install on metal base by four M16 bolt with nuts.	تجهيز وتركيب الخلاط ، المواصفات: 0.75 kw ، 3 ph- 380v ، 50 Hz ، 915 rpm ، 2.2 A ، IP55 ، Cosø 0.72 ، EN 60034-1 ، يجب أن يكون العمود والبشارة من الفولاذ المقاوم للصدأ 304 ، طول العمود يكفي لخلط الماء مع المادة الكيميائية ، يجب تثبيت الخلاط على قاعدة معدنية بأربعة مسامير M16 مع صواميل.	No	2		
	6.5	Supply and Installation UPVC pipes, specification: DN25 (1"), Outer diameter: 33.4mm, Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب انبوب UPVC ، المواصفات: (1 DN25 ") ، القطر الخارجي: 33.4 ملم ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال:صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	m	45		
	6.6	Supply and Installation UPVC union, specification: DN25 (1") Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب قطع وصل UPVC ، المواصفات: (1 DN25 ") ، القطر الخارجي: 33.4 ملم ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال:صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	4		
	6.7	Supply and Installation UPVC 90° Elbow, specification: DN25 (1") Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب UPVC 90 ° Elbow ، مواصفة: (1 DN25 ") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال:صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	20		
	6.8	Supply and Installation UPVC gate valve specification: DN25 (1"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب قفل بوابة UPVC: (1 DN25 ") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	5		
6.0 Supply and installation of chlorine and aluminum	6.9	Supply and Installation UPVC gate valve, specification: DN15 (1/2"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب قفل بوابة UPVC: (1/2 DN15 ") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	2		

sulphate dosing units	6.10	Supply and Installation UPVC T-Connection, specification: DN25 (1"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب مثلث UPVC T-Connection ، المواصفات: DN25 (1") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	2		
	6.11	Supply and Installation UPVC Straight coupling, specification: DN25 (1"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب توصالة مستقيمة UPVC ، المواصفات: DN25 (1") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	10		
	6.12	Supply and Installation UPVC pipes, specification: DN15 (1/2") Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب مواسير UPVC ، المواصفات: DN15 (1/2") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: صمغ لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	12		
	6.13	Supply and Installation UPVC union, specification: DN15 (1/2"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب قطع وصل UPVC ، المواصفات: DN15 (1/2") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	1		
	6.14	Supply and Installation UPVC straight coupling, specification: DN15 (1/2"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب توصالة مستقيمة UPVC ، مواصفة: DN15 (1/2") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	3		
6.0 Supply and installation of chlorine and aluminum sulphate dosing units	6.15	Supply and Installation UPVC 90° Elbow, specification: DN15 (1/2"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب UPVC 90 ° Elbow ، المواصفات: DN15 (1/2") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	6		
	6.16	Supply and Installation UPVC male threaded adapter, specification: DN15 (1/2"), Certificate: ISO 9001;2004, Connection form:UPVC glue adhesive, Working pressure: 16 bar, Working temperature: -5 to 65 C°	تجهيز وتركيب اداپتر سن خارجي ، المواصفات: DN15 (1/2") ، شهادة: ISO 9001 ؛ 2004 ، نوع الاتصال: لاصق UPVC ، ضغط العمل: 16 بار ، درجة حرارة التشغيل: -5 إلى 65 درجة مئوية	No	1		

7.0 Rehabilitation of filtration tanks	7.1	Supply equipment, machinery and manpower to removing and transferring material inside filter tanks (Gravel, Sand, Mud) to an area specified by supervisor committee.	توريد المعدات والآلات والأيدي العاملة لإزالة ونقل المواد داخل خزانات الترشيح (الحصى والرمل والطين) إلى منطقة تحددها لجنة الإشراف.	m ³	35		
	7.2	Supply and install PVC Filter nozzle (PVC sand filter nozzle) with vertical slots inside filter basins, threaded dia: 26.3mm, threaded length: 50mm, slot width: 0.25mm, no. of slot per nozzle: 30, the work include removing all old nozzles and transporting to an area specified by supervisor committee.	تجهيز وتركيب نوزلات فلاتر PVC (نوزل مرشح رمل نوع PVC) مع فتحات عمودية داخل أحواض التصفية ، قطر السن: 26.3 ملم ، طول السن: 50 ملم ، عرض الفتحة: 0.25 ملم ، عدد الفتحات لكل فوهة: 30 ، يشمل العمل إزالة جميع النوزلات ونقلها إلى منطقة تحددها لجنة الإشراف.	No	1800		
	7.3	Carry out maintenance of any damage or bends in the floor of nozzle base inside filtration tanks with stiffening by iron channel (C4"X7.25-lb/m.l) and welding work to ensure well work of steel pressurized filters. The work includes grinding and smoothing of the internal and external surfaces of the filter tanks and repair any part of filter tanks that affected by corrosion or any other reason by welding Iron plate thickness (10 or 12mm) also closing all holes, cracks in the filter tanks if available.	إجراء صيانة لأية أضرار أو انثناءات في أرضية قاعدة النوزلات داخل خزانات الترشيح مع التقوية بواسطة قناة حديدية (C4" X7.25-lb / m.l) وأعمال اللحام لضمان عمل جيد للمرشحات الفولاذية المضغوطة. يشمل العمل جرح و تنعيم الأسطح الداخلية والخارجية لخزانات المرشح وإصلاح أي جزء من خزانات المرشح المتأثر بالتآكل أو أي سبب آخر عن طريق اللحام بسماكة لوح الحديد (10 أو 12 ملم) يغلق أيضًا جميع الثقوب والشقوق في خزانات الترشيح إذا كانت موجودة.	l.s	3		
7.0 Rehabilitation of filtration tanks	7.4	Painting inside of filtration basins by food epoxy, the work include perfect cleaning and washing of basins before painting, the epoxy should be test and approved by Supervisory Committee before using it.	الطلاء داخل أحواض الترشيح بواسطة الإيبوكسي الغذائي ، ويشمل العمل التنظيف والغسيل المثالي للأحواض قبل الطلاء ، ويجب اختبار الإيبوكسي والموافقة عليه من قبل لجنة الإشراف قبل استخدامه.	m ²	435		
	7.5	Painting outside of filtration basins by oil based paint, specification: Good Stain Resistance & Excellent Durability, capable of protecting surface against rust, the color will be select by Supervisory Committee before using it.	الطلاء خارج أحواض الترشيح بالطلاء الزيتي ، المواصفات: مقاومة جيدة للبقع ومتانة ممتازة ، قادرة على حماية السطح من الصدأ ، سيتم اختيار اللون من قبل لجنة الإشراف قبل استخدامه.	m ²	380		

7.0 Rehabilitation of filtration tanks	7.6	Supply and laying gravels (commercially sourced) inside pressure filter tanks (2.5x6m diameterxlength repectivly) with four layers of 10cm as minimum, total layer depth: 40cm, particle size of first layer from nozzles should be 34-17mm with thikness of 10cm, second layer should be 17-13mm with thickness of 10cm, third layer 13-9mm with thickness of 10cm, fourth layer 9-6mm with thickness of 10cm, the work include providing seive analysis for supplied garvel to conform its size from governorate labratory.	تجهيز ووضع الحصى (من مصادر تجارية) داخل خزانات الفلاتر الضغطية (2.5 × 6 م بطول وعرض) مع أربع طبقات من 10 سم كحد أدنى ، وعمق الطبقة الكلي: 40 سم ، يجب أن يكون حجم الجسيمات للطبقة الأولى من الفوهات 34-17 ملم مع سمك 10 سم ، والثاني يجب أن تكون الطبقة 13-17 ملم بسمك 10 سم ، والطبقة الثالثة 9-13 ملم بسمك 10 سم ، والطبقة الرابعة 6-9 ملم بسمك 10 سم ، ويشمل العمل توفير تحليل المختبر للحصى المزود لتثبيت الحجم في المختبرات الحكومية	m ³	22		
	7.7	Supply and laying sand (commercially sourced) inside pressure filter tanks (2.5x6m diameterxlength repectivly) with one layer of 50cm as minimum, sand particle size: 1mm, the work include providing seive analysis for supplied sand to conform its size from governorate labratory.	تجهيز ووضع رمل (من مصادر تجارية) داخل خزانات الفلاتر الضغطية (2.5 × 6 م بطول قطر على التوالي) بطبقة واحدة من 50 سم كحد أدنى ، حجم جزيء الرمل: 1 ملم ، يشمل العمل توفير تحليل للرمل المزود لتثبيت الحجم في المختبرات الحكومية.	m ³	15		
	7.8	Supply and installation of check valve (non-return valve), DN80, PN16, body material: ductile iron, light blue color coating thickness ≥250µm internally and externally, disc, springs: stainless steel, gasket: graphite non asbestos, certification: ISO9001, flange connection, flange specification: diameter 185mm, no.of holes: 4, hole dia: 19mm, bolt size: M16, the work include remove old valves and transporting it to an area specified by supervisor committee, all required cutting and welding works during installation.	تجهيز وتركيب صمام باتجاه واحد (جك ولف) (صمام عدم الرجوع) ، DN80 ، PN16 ، مواد الجسم: حديد الدكتايل ، سماكة الطلاء باللون الأزرق الفاتح ≤250µm داخليًا وخارجيًا ، البوابة والنايوس: الفولاذ المقاوم للصدأ ، الحشية: الجرافيت وليس الاسيست ، شهادة: ISO9001 ، طريقة التوصيل: فلنجة ، مواصفات الفلنجة: قطر 185 ملم ، عدد الثقوب: 4 ، قطر الفتحة: 19 ملم ، حجم البراغي: M16 ، يشمل العمل إزالة الصمام القديم ونقله إلى منطقة محددة من قبل لجنة الاشراف ، وجميع أعمال القطع واللحام المطلوبة أثناء التثبيت.	No	1		

	7.9	Supply and installation of butterfly valve, DN 200, flange connection, PN16, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, flange specification: diameter 340mm, no. of holes: 8, hole dia: 23mm, bolt size: M20, the work include remove old valves and transporting it to an area specified by supervisor committee also providing and installation of new rubber washers, bolts and nuts.	تجهيز وتركيب قفل فراشة ، DN 200 ، اتصال فلنجة ، PN16 ، المادة: جسم حديد الدكتايل ، سماكة الطلاء باللون الأزرق الفاتح $\mu\text{m}250 \leq$ داخليًا وخارجيًا ، الشفت والبوابة من الفولاذ المقاوم للصدأ ، العزل EPDM ، مواصفات الفلنجة: قطر 340 ملم ، عدد الثقوب : 8 ، قطر الفتحة: 23 ملم ، حجم البراغي: M20 ، يشمل العمل إزالة الصمامات القديمة ونقلها إلى منطقة محددة من قبل اللجنة المشرفة ، كما تقوم بتوفير وتركيب واشرات مطاطية جديدة ، وبراغي مع صواميل.	No	12		
7.0 Rehabilitation of filtration tanks	7.10	Supply and installtion of water pressure test guage, Dial size : 50.8mm, Process connection : DN15 NPT male, Case : Black steel case, Window : Clear plastic, Dial plate : aluminum, with pointer stop, Pointer : Aluminum, black, DIN style, Boudon tube : Copper alloy, Connection : Brass, Accuracy : +/-3-2-3 Points, Pressure range : 0-16bar, double scale(psi, bar), Working temperature :-20 to 60 deg C.	تجهيز وتركيب مقياس ضغط المياه ، حجم القرص: 50.8 ملم ، نقطة الربط: DN15 NPT سن خارجي ، الجسم: هيكل من الفولاذ الأسود ، النافذة: بلاستيك شفاف ، الإطار: الألومنيوم ، مع مسند توقف المؤشر ، المؤشر: المنيوم أسود ، نمط DIN ، أنبوب بودون: سبائك النحاس ، التوصيل: نحاس ، الدقة: +/- 3-2-3 % ، نطاق الضغط: 0-16 bar ، مقياس مزدوج (psi ، بار) ، درجة حرارة العمل: -20 إلى 60 درجة مئوية.	No	6		
8.0 Rehabilitation of rectangular sedimentation tanks	8.1	Cleaning of two sedimentation basins with dimensions 12x2.5x2.5 and one Collection/equalising basin with dimensions 8x2.5x2.5 from mud, sedimented materials or any other materials and transporting it to an area that specified by supervisor committee, the include removing plastic sheets (lamella sheets) inside sedimentation basins before cleaning basins and transporting it to an area that specified by supervisor committee.	تنظيف حوضين للترسيب بأبعاد 12.5x2.5x2.5 وحوض واحد / حوض التجميع بأبعاد 8x2.5x2.5 من الطين أو المواد الرسوبية أو أي مواد أخرى ونقلها إلى منطقة تحددها لجنة الاشراف ، وتشمل إزالة صفائح البلاستيك (صفائح لاميلا) داخل أحواض الترسيب قبل تنظيف الأحواض ونقلها إلى منطقة تحددها اللجنة المشرفة.	I.s	3		
	8.2	Supply and installation of sedimentation plastic sheets (lamella sheets) inside sedimentation basins, dimension of sheet: 875x6000x3mm widthxlengthxthickness respectively, origin certification should be prvided, confirm standards to get water that its turbidity not morethan 5 NTU, the	تجهيز وتركيب صفائح بلاستيكية للترسيب (صفائح لاميلا) داخل أحواض الترسيب ، أبعاد الصفائح: 875x6000x3mm عرض x طول x سمك على التوالي ، يجب تقديم شهادة المنشأ ، تأكيد المعايير للحصول على الماء بعكورة لا تزيد عن 5 NTU ، يشمل العمل جميع القطع واللحام المطلوب أثناء التنشيط.	sheet	360		

		work include all required cutting and welding works during installation.					
8.0 Rehabilitation of rectangular sedimentation tanks	8.3	Supply and install vertical mixer with electrical motor Spec.:0.75kw,3ph- Y380v, 50Hz, 915rpm, 2.2A, IP55, EN 60034-1 and gearbox 300rpm, impellers and shaft should be stainless steel 304.	تجهيز وتركيب خلاط عمودي بمحرك كهربائي المواصفات: 0.75 كيلو وات ، 3 -Y380v ، 50 Hz ، 915 rpm ، 2.2 A ، IP55 ، EN 60034-1 وكيربوكس 300 دورة في الدقيقة ، يجب أن تكون البشارة والشفة من الفولاذ المقاوم للصدأ 304.	No	2		
	8.4	Supply and install vertical mixer with electrical motor Spec.:1.5kw,3ph- Y380v, 50Hz, 915rpm, 4.4A, IP55, EN 60034-1 and gearbox 25rpm, impellers and shaft should be stainless steel 304.	تجهيز وتركيب خلاط عمودي بمحرك كهربائي المواصفات: IP55 ، 1.5 kw ، 3 -Y380v ، 50 Hz ، 915 rpm ، 4.4 A ، EN 60034-1 مع كير بوكس 25 دورة في الدقيقة ، يجب أن تكون البشارو والشفة من الفولاذ المقاوم للصدأ 304.	No	2		
	8.5	Supply and installation of single flanged spigot, DN100, length: 200mm to 400mm, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN10, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 220mm, no.of holes: 8, hole dia: 19mm, bolt size: M16. the work include remove old pipe DN50 transporting it to an area specified by supervisor committee and all required cutting and welding work during installation of new DN100 pipe.	تجهيز وتركيب أنبوب مع فلنجة جهة واحدة ، DN100 ، الطول: 200 ملم إلى 400 ملم ، المواد: حديد الدكتايل ، سمك الطلاء بالأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، PN10 ، المعايير القياسية: ISO2531 ، شهادة: ISO9001 ، اتصال فلنجة ، مواصفات الفلنجة: قطر 220 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 19 ملم ، حجم البراغي: M16. يشمل العمل إزالة الأنبوب القديم DN50 ونقله إلى منطقة تحددتها اللجنة المشرفة وجميع أعمال القطع واللحام المطلوبة أثناء تركيب أنبوب DN100 الجديد.	No.	4		
	8.6	Supply and installation of butterfly valve, DN100, flange connection, PN16, material: Ductile Iron Body, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, Stainless Steel Stem & wedge, EPDM Seals, flange specification: diameter 220mm, no.of holes: 8, hole dia: 19mm, bolt size: M16, the work include remove old valves and transporting it to an area specified by supervisor committee also providing and installation of new rubber washers, bolts and nuts.	تجهيز وتركيب قفل فراشة ، DN100 ، اتصال فلنجة ، PN16 ، المادة: حديد الدكتايل ، سماكة الطلاء باللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، الشفة والبوابة الفولاذ المقاوم للصدأ ، العزل EPDM ، مواصفات الفلنجة: قطر 220 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 19 ملم ، حجم البراغي: M16 ، يشمل العمل إزالة الاقفال القديمة ونقلها إلى منطقة محددة من قبل لجنة الاشراف ، كما تقوم بتجهيز وتركيب واشرات مطاطية جديدة ، براغي وصواميل.	No	10		

8.0 Rehabilitation of rectangular sedimentation tanks	8.7	Supply and installation of single flanged spigot, DN100, length: 1500mm to 2000mm, one end flange and other 90° bend, material: ductile iron, light blue color coating thickness $\geq 250\mu\text{m}$ internally and externally, PN10, Standard: ISO2531, certification: ISO9001, flange connection, flange specification: diameter 220mm, no. of holes: 8, hole dia: 19mm, bolt size: M16.	تجهيز وتركيب انبوب ذو فلنجة جهة واحدة ، DN100 ، الطول: 1500 ملم إلى 2000 ملم ، فلنجة طرف واحد و الاخرى عكس 90 درجة ، المادة: حديد الدكتايل ، سمك الطلاء اللون الأزرق الفاتح $\leq 250\mu\text{m}$ داخليًا وخارجيًا ، PN10 ، المعايير القياسية: ISO2531 ، شهادة: ISO9001 ، اتصال فلنجة ، مواصفات الفلنجة: قطر 220 ملم ، عدد الثقوب: 8 ، قطر الفتحة: 19 ملم ، حجم البراغي: M16	No	4		
	8.8	Supply and installation of pipe, DN 200, PN10, material cast iron, the work include all required cutting and welding work during installation	تجهيز وتركيب انبوب DN 200 ، PN10 ، حديد زهر ، يشمل العمل جميع أعمال القطع واللحام المطلوبة أثناء التركيب	m	2		
TOTAL PRICE (USD)							

BIDDER'S COMMENTS/REMARKS:

1. _____
2. _____

BIDDER'S TERMS AND CONDITIONS:

1. Validity of the offer: _____ (recommended: 6 months or more)
2. Terms of delivery: _____
3. Terms of payment: 100 % after completing the service by cheque or bank transfer

End of lot 1

LOT 2 : Rehabilitation of Areej Water Treatment Plant Electrical work (36.19585, 43.21928)

Activity	Item	Item description	وصف الفقرة	Unit	Qty	Unit Price (USD)	Total Price (USD)
1.0 Electrical Works	1.1	Supply and install 0.6/1kv PVC insulated, multi-core cable with copper conductor size NYY 3x240+120mm ² over all diameter 60.5mm standard TS IEC 605002.	تجهيز وتركيب كابل 0.6 / 1kv PVC معزول ومتعدد النواة مع موصل نحاسي بحجم mm2120 + NYY 3x240 القطر الكلي mm60.5 المعايير القياسية TS IEC 605002.	m	45		
	1.2	Supply and install 0.6/1kv PVC insulated, multi-core cable with copper conductor size NYY 3x70+35mm ² over all diameter 35mm standard TS IEC 605002.	تجهيز وتركيب كابل 0.6 / 1kv PVC معزول ومتعدد النواة مع موصل نحاسي بحجم NYY 3x70 + 35mm ² القطر الكلي mm35 معيار TS IEC 605002.	m	30		
	1.3	Supply and install 0.6/1kv PVC insulated, multi-core cable with copper conductor size NYY 3x25+16mm ² over all diameter 27mm standard TS IEC 605002.	تجهيز وتركيب كابل 0.6 / 1kv PVC معزول ومتعدد النوى مع موصل نحاسي بحجم NYY 3x25 + 16mm ² القطر الكلي mm27 معيار TS IEC 605002.	m	30		
	1.4	Supply and install PVC insulated flex copper cable 4x2.5mm ²	تجهيز وتركيب كابل نحاسي مرن معزول PVC 4x2.5mm ²	m	230		
	1.5	Supply and install Outdoor Floodlight 200watt with specefication: IP66 water proof and dust proof, First class SMD LED cihips, water proof joint, Die- cast alaminume material with convcctive structure, wall light 180 adjustable mounting bracket Dimention: 16.5x12.6", day light white.	توريد وتركيب بلاجكتور Floodlight خارجي 200 واط بالمواصفات: IP66 مقاوم للماء والغبار ، من الدرجة الأولى SMD LED cihips ، وصلة مقاومة للماء ، مادة مصبوبة من الألمنيوم مع هيكل محكم ، مصباح حائط مع حامل تثبيت قابل للدوران 180 الأبعاد: 16.5x12.6" ، q,x ، ضوء النهار الابيض.	No	12		
1.0 Electrical Works	1.5.1	Supply and install PVC insulated flex copper cable 2x2.5mm ²	تجهيز وتركيب كابل نحاسي مرن معزول PVC 2x2.5mm ²	m	1080		

1.0 Electrical Works	1.6	Supply and install perforated type cable tray stainless steel size 100x50x3000mm (widthxheightxlength)	تجهيز وتركيب حامل كابل مثقبة من الاستانلس ستيل مقاس 100 × 50 × 3000 ملم (عرض × ارتفاع × طول)	No	20		
	1.7	Supply and install electrical painted metal box with dimensions: 30x60x90cm, with double door Thermal coating, plate thickness: 2mm include all necessary accessories like try cable, rail, led indicator lamps, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.	تجهيز وتركيب صندوق معدني كهربائي مطلي بأبعاد: 30x60x90 سم ، مع باب مزدوج طلاء حراري ، سمك البليت: 2 ملم تشمل جميع الملحقات الضرورية مثل حامل كابل ، السكك الحديدية ، مصابيح المؤشرات LED ، العازل ، الموصلات ، الترامل ، الأسلاك ، البراغي ، الصامولات ، لإنهاء العمل بشكل صحيح.	No	1		
	1.7.1	Supply and install Compact circuit breaker MCCB NSX630N Calibratable, 3P3D Micrologic 2.3 trip unit 630A, rated short circuit breaking 50 kA@415 VAC, Frequency 50-60 Hz	تجهيز وتركيب قاطع دورة مدمج قابل للمعايرة MCCB P3D Micrologic 2.3 trip 630A3 NSX630N	No	1		
	1.8	Supply and install electrical painted metal box with dimensions: 50x100x160cm, with double door Thermal coating, plate thickness: 2mm, include lighting and exhaust fan, type meccano with Insulated copper busbar size 50x6.3mm for 630A, size 30x5mm for 400A and 20x5mm for 150A, also include all necessary accessories like try cable, rail, led indicator lamps, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.	تجهيز وتركيب صندوق كهربائي معدني مطلي بأبعاد: 50x100x160 سم ، مع باب مزدوج طلاء حراري ، سمك البليت: 2 ملم ، تشمل اضاءة ومروحة ، النوع meccano مع قضبان نحاسية معزولة بحجم 50x6.3mm لـ 630A ، تشمل أيضًا 30x5mm لـ 400A و 20x5mm لـ 150A ، تشمل أيضًا جميع الملحقات الضرورية مثل حامل الكابلات ، والسكك الحديدية ، ومصابيح الاشارة ، والعازل ، والموصلات ، الترامل ، والأسلاك ، والبراغي ، والصواميل ، لإنهاء العمل بشكل صحيح.	No	1		
1.0 Electrical Works	1.8.1	Supply and install Multimeter EPM-04 True RMS, Measures the real effective value of the alternating current as well as the true rms values of the phase voltages (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1) with current transformer.	تجهيز وتركيب ملتي ميتر Multimeter EPM-04 True RMS ، يقيس القيمة الفعالة الحقيقية للتيار المتناوب وكذلك قيم جذر متوسط التربيع الحقيقي لجهود الطور (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1) مع محول التيار.	No	7		

	1.8.2	Supply and install Compact circuit breaker MCCB NSX630N Calibratable, 3P3D Micrologic 2.3 trip unit 630A, rated short circuit breaking 50 kA@415 VAC, Frequency 50-60 Hz with mechanical interlock	تجهيز وتركيب قاطع دورة مدمج قابل للمعايرة MCCB NSX630N ، Micrologic 2.3 trip 630A P3D3 ، تيار الدائرة القصيرة 50 كيلو أمبير @ 415 فولت تيار متردد ، تردد 50-60 هرتز مع انترلوك	No	2		
	1.8.3	Supply and install Compact circuit breaker MCCB NSX400N Calibratable, 3P3D Micrologic 2.3 trip unit 400A, rated short circuit breaking 50 kA@415 VAC, Frequency 50-60 Hz	تجهيز وتركيب قاطع دورة مدمج قابل للمعايرة MCCB Micrologic 2.3 trip unit 400A NSX400N 3P3D	No	5		
	1.8.4	Supply and install Compact circuit breaker MCCB NSX150N Calibratable, 3P3D Micrologic 2.3 trip unit 150A, rated short circuit breaking 36 kA@415 VAC, Frequency 50-60 Hz	تجهيز وتركيب قاطع دورة مدمج MCCB NSX150N قابل للمعايرة ، Micrologic 2.3 trip unit 150A P3D3 ، 36 @ 415 VAC ، تيار الدائرة القصيرة 50 كيلو أمبير @ 415 فولت تيار متناوب تردد 50-60 هرتز	No	2		
	1.8.5	Supply and install Compact circuit breaker MCCB NSX100N Calibratable, 3P3D Micrologic 2.3 trip unit 100A, rated short circuit breaking 36 kA@415 VAC, Frequency 50-60 Hz	تجهيز وتركيب قاطع دورة مدمج MCCB NSX100N ، Micrologic 2.3 trip unit 100A P3D3 ، تيار الدائرة القصيرة 50 كيلو أمبير @ 415 فولت تيار متناوب تردد 50-60 هرتز	No	2		
	1.9	Supply and install Electrical painted metal box size: 40x80x100cm, Thermal coating, plate thickness: 2mm duple door, type meccano, with lightting and exhaust fan	تجهيز وتركيب صندوق معدني مطلي الحجم: 40x80x100x40 سم ، طلاء حراري ، سمك اللوح: 2 ملم باب مزدوج ، نوع ميكانو ، مع إضاءة ومفرغة	No	2		

1.0 Electrical Works	1.9.1	<p>Supply and install Electrical starter type (star-dellta) for multi stage pump with details:</p> <ul style="list-style-type: none"> - Compact circuit breaker MCCB -NSX250N, Rated Current 250A Calibratable, Rated short circuit breaking 50KA, Frequency 50Hz, Poles Number 3P3D Micrologic 2.3 trip unit 250A - Three contactor, 3P(3 NO), AC-3, <= 440V, 100kw,180A, 220VAC, 50/60 Hz Coil. - Phase sequence and phase failure protection relay. - 3 phase voltage protection(over, Under). - Over load protection relay. - Timer 5-30 sec. - Multimeter EPM-04 True RMS, Measures the real effective value of the alternating current as well as the true rms values of the phase voltages (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1) with current transformer.. - Led indicator lamp (Red, Yellow, Green). - Insulated copper busbar size 20x5mm for 250A. - Water proof control Push Button Switch 220V. <p>The work include all necessary accessories like try cable, Rail, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.</p>	<p>تجهيز وتركيب ستارتر كهربائي (ستار دلتا) لمضخة متعددة المراحل مع التفاصيل:</p> <ul style="list-style-type: none"> - قاطع دورة مدمج MCCB -NSX250N ، التيار 250 أمبير قابل للمعايرة ، كسر الدائرة القصيرة 50 كيلو أمبير ، التردد 50 هرتز ، عدد الأقطاب 3P3D Micrologic 2.3 - ثلاثة قواطع ، 3 (3 NO) ، AC-3 ، <= 440 V ، 100 kw ، 180 A ، 220 VAC ، 50/60 هرتز للملف . - جهاز حماية فشل احد الاطوار او اختلاف الترتيب . - جهاز حماية الجهد ثلاثي الاطوار (ارتفاع ، انخفاض). - حماية ضد الحمل الزائد . - مؤقت 5-30 ثانية. - Multimeter EPM-04 True RMS ، يقيس القيمة الفعالة الحقيقية للتيار المتناوب وكذلك قيم جذر متوسط التربيع الحقيقي لجهود الطور (VL1-N ، VL2-N ، VL3-N ، VL1-L2 ، VL2-L3 ، VL3-L1) مع محولات التيار . - مصباح مؤشر LED (أحمر ، أصفر ، أخضر). - بسبار نحاسي معزول مقاس 20 × 5 مم لـ 250 أمبير . - زر التحكم والتشغيل مقاوم للمياه 220 فولت. <p>يشمل العمل جميع الملحقات الضرورية مثل حامل الكابلات والسكك الحديدية والعازل والموصلات والترامل والأسلاك والبراغي والصواميل لإنهاء العمل بشكل صحيح. "</p>	No	2		
1.0 Electrical Works	1.10	<p>Supply and install painted electrical metal box size: 25x50x70cm, Thermal coating, plate thickness: 2mm duple door, type meccano, with lightting and exhaust fan</p>	<p>تجهيز وتركيب صندوق معدني كهربائي مطلي مقاس: 25x50x70 سم ، طلاء حراري ، سمك البليت: 2 ملم باب مزدوج ، نوع ميكانو ، مع اضاءة ومروحة مفرغة</p>	No	2		
	1.10.1	<p>Supply and install Electrical starter type (star-dellta) for submersible pump as below details:</p> <ul style="list-style-type: none"> - Compact circuit breaker MCCB NSX100N Calibratable, 3P3D Micrologic 2.3 trip unit, Rated Current 100A, rated short circuit breaking 36 kA@415 VAC, Frequency 50-60 Hz. - Three Contactor, 3P(3 NO), AC-3, <= 440V, 45kw, 80A, 220VAC, 50/60 Hz Coil - Phase sequence and phase failure protection relay. 	<p>تجهيز وتركيب ستارتر كهربائي نوع (star-dellta) لمضخة غاطسة على النحو التالي:</p> <ul style="list-style-type: none"> - قاطع دورة مدمج MCCB NSX100N قابل للمعايرة ، 3P3D Micrologic 2.3 وحدة الفصل ، التيار المقدر 100 أمبير ، كسر الدائرة القصيرة المقدر 36 كيلو أمبير عند 415 فولت تيار متناوب ، التردد 50-60 هرتز . - ثلاثة كونتكتر ، 3 (3 NO) ، AC-3 ، <= 440 V ، 45 kw ، 80 A ، 220 VAC ، 50/60 هرتز للملف . - جهاز حماية فشل احد الاطوار او اختلاف الترتيب . 	No	2		

		<ul style="list-style-type: none"> - 3 phase voltage protection relay(over, Under). - Over load protection relay(55-70A). - Timer (5-30) sec. - Multimeter EPM-04 True RMS, Measures the real effective value of the alternating current as well as the true rms values of the phase voltages (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1)with current transformer. - Led indicators lamp(Red, Yellow, Green). - Insulated copper busbar size 5x20mm. - Water Proof control Push Button Switch 220V. <p>The work include all necessary accessories like try cable, Rail, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.</p>	<ul style="list-style-type: none"> - جهاز حماية الجهد ثلاثي الاطوار (ارتفاع ، انخفاض). - حماية ضد الحمل الزائد. - مؤقت 5-30 ثانية. - Multimeter EPM-04 True RMS ، يقيس القيمة الفعالة الحقيقية للتيار المتناوب وكذلك قيم جذر متوسط التريبع الحقيقي لجهود الطور (VL1-N ، VL2-N ، VL3-N ، VL1-L2 ، VL2-L3 ، VL3-L1) مع محولات التيار. - مصباح مؤشر LED (أحمر ، أصفر ، أخضر). - بسبار نحاسي معزول مقاس 5 × 20 مم لـ 250 أمبير. - زر التحكم والتشغيل مقاوم للمياه 220 فولت. <p>يشمل العمل جميع الملحقات الضرورية مثل حامل الكابلات والسكك الحديدية والعازل والموصلات والترامل والأسلاك والبراغي والصواميل لإنهاء العمل بشكل صحيح. "</p>				
2.0 Rehabilitation of electrical power board	2.1	<p>Supply and install Electrical starter type (star-dellta) for splitcase pump with details:</p> <ul style="list-style-type: none"> - Compact circuit breaker MCCB -NSX250N, Rated Current 250A Calibratable, Rated short circuit breaking 50KA, Frequency 50Hz, Poles Number 3P3D Micrologic 2.3 trip unit 250A - Three contactor, 3P(3 NO), AC-3, <= 440V, 100kw,180A, 220VAC, 50/60 Hz Coil. - Phase sequence and phase failure protection relay. - 3 phase voltage protection(over, Under). - Over load protection relay. - Timer 5-30 sec. - Multimeter EPM-04 True RMS, Measures the real effective value of the alternating current as well as the true rms values of the phase voltages (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1) with current transformer.. - Led indicator lamp (Red, Yellow, Green). - Insulated copper busbar size 20x5mm for 250A. - Water proof control Push Button Switch 220V. <p>The work include all necessary accessories like try</p>	<p>تجهيز وتركيب ستارتر كهربائي (ستار دلتا) للمضخة الوسطية مع التفاصيل:</p> <ul style="list-style-type: none"> - قاطع دورة مدمج MCCB -NSX250N ، التيار 250 أمبير قابل للمعايرة ، كسر الدائرة القصيرة المقدر 50 كيلو أمبير ، التردد 50 هرتز ، عدد الأقطاب Micrologic 2 P3D3. - كونتكتر عدد ثلاثة، 3 (3 NO) ، AC-3 ، <= 440V ، 100kw ، 180A ، 220VAC ، تردد 50/60 هرتز للملف. - جهاز حماية فشل احد الاطوار او اختلاف الترتيب . - جهاز حماية الجهد ثلاثي الاطوار (ارتفاع ، انخفاض). - حماية ضد الحمل الزائد. - مؤقت 5-30 ثانية. - Multimeter EPM-04 True RMS ، يقيس القيمة الفعالة الحقيقية للتيار المتناوب وكذلك قيم جذر متوسط التريبع الحقيقي لجهود الطور (VL1-N ، VL2-N ، VL3-N ، VL1-L2 ، VL2-L3 ، VL3-L1) مع محولات التيار. - مصباح مؤشر LED (أحمر ، أصفر ، أخضر). - بسبار نحاسي معزول مقاس 5 × 20 مم لـ 250 أمبير. - زر التحكم والتشغيل مقاوم للمياه 220 فولت. <p>يشمل العمل جميع الملحقات الضرورية مثل حامل الكابلات والسكك الحديدية والعازل والموصلات والترامل والأسلاك والبراغي والصواميل لإنهاء العمل بشكل صحيح. "</p>	No	2		

		cable, Rail, insulator, connectors, terminals, wiring, bolts, nuts, to finish the work properly.					
2.0 Rehabilitation of electrical power board	2.2	Supply and install circuit breaker with Rated short-circuit breaking capacity IEC 60898-1: 4.5KA.; Rated Voltage: 400V Rated Current: 20A, Number of Pole:3, Overall Size:65 x 54 x 77mm (L x W x H); Rail Mounting: 35mm DIN Rail, 3 phase, It can also work as on-off switch for load circuits.Must include surge protection.	تجهيز وتركيب قاطع دورة بسعة كسر الدائرة القصيرة المقدرة IEC 60898-1: 4.5KA. الفولطية المقدرة: V400 السعة: A20 ، عدد الاقطاب: 3 ، الحجم الكلي: 65 × 54 × 77 ملم (الطول × العرض × الارتفاع) ؛ يركب على السكك الحديدية: 35 ملم ، 3 مراحل ، يمكن أن يعمل أيضًا كمفتاح تشغيل لدوائر الحمل. يجب أن يشمل الحماية من زيادة التيار.	No	8		
	2.3	Supply and install contactor 11KW, 4P(4NO), 20A, 220VAC, 50/60 Hz Coil with over load protection relay.	تجهيز وتركيب كونتكتر 11 كيلو وات ، 4 خطوط (4 مفتوح) ، 20 أمبير ، 220 فولت ، 60/50 هرتز للملف مع حماية الحمل الزائد.	No	8		
	2.4	Supply and install phase failure and phase sequence protection relay.	جهاز حماية فشل احد الاطوار او اختلاف الترتيب	No	1		
	2.5	Supply and install Led indicator lamp (Red, yellow, Green).	تجهيز وتركيب مصباح اشارة LED (أحمر ، أصفر ، أخضر).	No	40		
	2.6	Supply and install Multimeter EPM-04 True RMS, Measures the real effective value of the alternating current as well as the true rms values of the phase voltages (VL1-N, VL2-N, VL3-N, VL1-L2, VL2-L3, VL3-L1) with current transformer.	توريد وتركيب Multimeter EPM-04 True RMS ، يقيس القيمة الفعالة الحقيقية للتيار المتردد وكذلك قيم جذر متوسط التربيع الحقيقي لجهود الطور (VL1-N ، VL2-N ، VL3-N ، VL1-L2 ، VL2-L3 ، VL3-L1) مع محول التيار.	No	1		
	2.7	Supply and install Control Push Button Switch 220V.	زر التحكم والتشغيل مقاوم للمياه 220 فولت	No	8		
2.0 Rehabilitation of electrical power board	2.8	Supply and install all necessary accessories like cable tray, Rail, insulators, connectors, terminals, copper wiring, bolts, nuts, to finish the work properly.	تجهيز وتركيب جميع الملحقات الضرورية مثل حامل الكابلات والسكك الحديدية والعازل والموصلات والترامل والأسلاك والبراغي والصواميل لإنهاء العمل بشكل صحيح.	I.s	1		
	2.9	Supply and install air conditioner cooling and heating, input power 2.1KW, cooling capacity 24000 Btu/h, heating capacity 7181 Watt,	توريد وتركيب مكيف تبريد وتدفئة بقوة 2.1 كيلو وات وسعة تبريد 24000 وحدة حرارية بريطانية وسعة 7181 وات.	No	1		
TOTAL PRICE (USD)							

BIDDER'S COMMENTS/REMARKS:

1. _____
2. _____

BIDDER'S TERMS AND CONDITIONS:

1. Validity of the offer: _____ (recommended: 6 months or more)
2. Terms of delivery: _____
3. Terms of payment: 100% after completing the service by cheque or bank transfer

END OF LOT 2

BIDDER'S QUESTIONNAIRE – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/ERB/24/08/2020/001

PART I: INFORMATION			
A. Company Details and General Information			
Name of Company		Trading As	
Address (headquarters)		Telephone	
Zip Code (headquarters)		Fax	
City (headquarters)		E-mail address 1	
PO Box		E-mail address 2	
Country (headquarters)		Website address	
Parent Company or name of owner		Subsidiaries/ Associates/ Overseas Representative	
Sales Person's Name		Sales Person's Position	
Sales Person's phone		Sales Persons' E-mail	
<i>Governance of the company: Chairman, Vice-Chairman, Treasurer or Secretary of the Board of Directors or Board of Trustees</i>			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		Type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail address	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
<i>Management of the company: CEO, Executive Director, Deputy Director, President or Vice-President</i>			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
<i>Management of the company: Chief Finance Officer or Chief Accountant</i>			
Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	



ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
Company's staff & insurance			
No. Full Time Employees:		Employee average work wage per hour:	
Points of Men to Women:		Any employee(s) with relatives working with ACTED?	<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of Children:		What is the legal minimum wage paid?	<input type="checkbox"/> Yes <input type="checkbox"/> No
In what capacity?		Are paid vacations offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What are their ages?		Are flexible working hours offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of insurance company:		Staff covered by health insurance?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Description of the Company			
Type of Business (multiple choices possible):	<input type="checkbox"/> Manufacturing <input type="checkbox"/> Consulting Company <input type="checkbox"/> Authorized Agent <input type="checkbox"/> Manufacturing <input type="checkbox"/> Trader <input type="checkbox"/> Other, please specify : _____		
Sector of Business (multiple choices possible):	<input type="checkbox"/> Goods / supplies <input type="checkbox"/> Services <input type="checkbox"/> Equipment <input type="checkbox"/> Works <input type="checkbox"/> Other, please specify : _____		
Year Established:		Country of registration:	
Licence number:		Valid until:	
Working languages:	<input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Spanish <input type="checkbox"/> Arabic <input type="checkbox"/> Chinese <input type="checkbox"/> Other, please specify : _____		
Technical documents available in:	<input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Spanish <input type="checkbox"/> Arabic <input type="checkbox"/> Chinese <input type="checkbox"/> Other, please specify : _____		
B. Financial Information			
VAT Number:		Tax Number:	
Bank Name:		Bank Account Number:	
Bank Address:		Account Name:	
Swift/BIC number:		Standard Payment Terms:	
Has the company been audited in the last 3 years?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Please attach a copy of the company's most recent Annual or Audited Financial Report	<input type="checkbox"/> Attached		
Annual Value of Total Sales for the last 3 Years:			
Year: USD:		Year: USD:	
Annual Value of Export Sales for the last 3 years			
Year: USD:		Year: USD:	
C. Experience			
Company's recent business with ACTED and/or other International Aid Agencies or United Nations Agencies:			
#	Organisation	Contact person	Phone/E-mail
1			
2			
3			



4					
5					
What is your company's main area of expertise?					
What is your company's business coverage area?		<input type="checkbox"/> National <input type="checkbox"/> Restricted to (specify location) : _____			
To which countries has your company exported and/or managed projects in the last 3 years?					
Provide any other information that demonstrates your company's qualifications and experience (eg. awards)					
List any national or international Trade/Professional Organisations of which your company is a member					
D. Technical Capability					
Type of Quality Assurance Certificate				<input type="checkbox"/> Attached	
Type of Certification/Qualification Documents				<input type="checkbox"/> Attached	
International Offices/Representation					
List below up to 10 of the core Goods and/or Services your company sells:					
1)		6)			
2)		7)			
3)		8)			
4)		9)			
5)		10)			
List the main assets of your company (trucks & heavy machines, heavy & valuable equipment, premises & warehouses, production sites etc.)					
1)		6)			
2)		7)			
3)		8)			
4)		9)			
5)		10)			
E. Miscellaneous					
Does your company have an Environmental Policy? (Yes/No)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
Does your company have an Ethical Trading Policy? (Yes/No)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
Does your company have an Anti-terrorist Policy? (Yes/No)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
Is your company compliant with the EU General Data Protection Regulation (or equivalent)? (Yes/No)				<input type="checkbox"/> Yes <input type="checkbox"/> No	
If you answered yes to the above two questions, please attach copies of your policy:					<input type="checkbox"/> Attached
Has your company ever been bankrupt, or is in the process of being wound up, having its affairs administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning these matters, or is in any analogous situation arising from a similar procedure provided for in national law?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever been convicted of an offence concerning its professional conduct by a judgment which as force of res judicata?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever been guilty of grave professional misconduct proven by other means?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever not fulfilled its obligations relating to the payment of social security contributions, or the payment of taxes in accordance with the law of the country in which it is established, or with those of France, or those of the country where the contract is to be performed?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					

Has your company ever been the subject of a judgement, which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been in any dispute with any Government Agency, the United Nations, or International Aid Organisations (including ACTED)?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Do you agree with terms of payment of 30 days? <input type="checkbox"/> Yes <input type="checkbox"/> No		Do you accept visit of ACTED staff & external auditors to your office? <input type="checkbox"/> Yes <input type="checkbox"/> No

PART II: CERTIFICATION

I, the undersigned warrant that the information provided in this form is correct, and in the event of changes, details will be provided to ACTED as soon as possible in writing. I also understand that ACTED does not do business with companies, or any affiliates or subsidiaries, which engage in any practices that are in breach of ACTED's Child Protection, Sexual Exploitation and Abuse Protection, Conflict of Interest, Anti-fraud, Anti-terrorism Policy and Data Protection Policies (available on request).

Name:		Date:	
Title/Position		Place:	
E-mail address (for contact for verification purposes):		Signature:	
Phone number (for contact for verification purposes):		Company Stamp:	

Check list of supporting documents		For ACTED use only	
1)	Trading license	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
2)	VAT registration/tax clearance certificate	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
3)	Company profile	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
4)	Proof of trading/dealership/agent	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
5)	Evidence of similar contracts	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
6)	References	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
7)	Particulars of CEO and key personnel	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
8)	Articles of Association & Certificate of incorporation	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
9)	Financial statements (latest)	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
10)	Other (specify):	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked

Company Name: _____

Authorized Representative Name: _____

Signature: _____

Stamp: _____

BIDDER'S ETHICAL DECLARATION – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/ERB/24/08/2020/001

Bidder's name: _____

Bidder's address: _____

CODE OF CONDUCT:**1. Labour Standards**

The labour standards in this code are based on the conventions of the International Labour Organisation (ILO).

- *Employment is freely chosen*

There is no forced, bonded or involuntary prison labour. Workers are not required to lodge 'deposits' or their identity papers with the employer and are free to leave their employer after reasonable notice.

- *Freedom of association and the right to collective bargaining are respected*

Workers, without distinction, have the right to join or form trade unions of their own choosing and to bargain collectively. The employer adopts an open attitude towards the legitimate activities of trade unions. Workers representatives are not discriminated against and have access to carry out their representative functions in the workplace. Where the right to freedom of association and collective bargaining is restricted under law, the employer facilitates, and does not hinder, the development of parallel means for independent and free association and bargaining.

- *Working conditions are safe and hygienic*

A safe and hygienic working environment shall be provided, bearing in mind the prevailing knowledge of the industry and of any specific hazards. Adequate steps shall be taken to prevent accidents and injury to health arising out of, associated with, or occurring in the course of work, by minimising, so far as is reasonably practicable, the causes of hazards inherent in the working environment. Workers shall receive regular and recorded health and safety training, and such training shall be repeated for new or reassigned workers. Access to clean toilet facilities and potable water and, if appropriate, sanitary facilities for food storage shall be provided. Accommodation, where provided, shall be clean, safe, and meet the basic needs of the workers. The company observing the standards shall assign responsibility for health and safety to a senior management representative.

- *Child Labour shall not be used*

There shall be no new recruitment of child labour. Companies shall develop or participate in and contribute to policies and programmes, which provide for the transition of any child found to be performing child labour to enable her/him to attend and remain in quality education until no longer a child. Children and young people under 18 years of age shall not be employed at night or in hazardous conditions. These policies and procedures shall conform to the provisions of the relevant International Labour Organisation (ILO) standards.

- *Living wages are paid*

Wages and benefits paid for a standard working week meet, at a minimum, national legal standards or industry benchmarks. In any event wages should always be high enough to meet basic needs and to provide some discretionary income. All workers shall be provided with written and understandable information about their

employment conditions in respect to wages before they enter employment, and about the particulars of their wages for the pay period concerned each time that they are paid. Deductions from wages as a disciplinary measure shall not be permitted nor shall any deductions from wages not provided for by national law be permitted without the express and informed permission of the worker concerned. All disciplinary measures should be recorded.

Working hours are not excessive

Working hours comply with national laws and benchmark industry standards, whichever affords greater protection. In any event, workers shall not on a regular basis be required to work in excess of the local legal working hours. Overtime shall be voluntary, shall not exceed local legal limits, shall not be demanded on a regular basis and shall always be compensated at a premium rate.

- *No discrimination is practised*

There is no discrimination in hiring, compensation, access to training, promotion, termination or retirement based on race, caste, national origin, religion, age, disability, gender, marital status, sexual orientation, union membership or political affiliation.

- *Regular employment is provided*

To every extent possible work performed must be on the basis of a recognised employment relationship established through national law and practice. Obligations to employees under labour or social security laws and regulations arising from the regular employment relationship shall not be avoided through the use of labour-only contracting, sub-contracting or home-working arrangements, or through apprenticeship schemes where there is no real intent to impart skills or provide regular employment, nor shall any such obligations be avoided through the excessive use of fixed-term contracts of employment.

- *No harsh or inhumane treatment is allowed*

Physical abuse or discipline, the threat of physical abuse, sexual or other harassment and verbal abuse or other forms of intimidation shall be prohibited.

B. Environmental Standards

Suppliers should as a minimum comply with all statutory and other legal requirements relating to the environmental impacts of their business. Detailed performance standards are a matter for suppliers, but should address at least the following:

- *Waste Management*

Waste is minimised and items recycled whenever this is practicable. Effective controls of waste in respect of ground, air, and water pollution are adopted. In the case of hazardous materials, emergency response plans are in place.

- *Packaging and Paper*

Undue and unnecessary use of materials is avoided, and recycled materials used whenever appropriate.

- *Conservation*

Processes and activities are monitored and modified as necessary to ensure that conservation of scarce resources, including water, flora and fauna and productive land in certain situations.

- *Energy Use*

All production and delivery processes, including the use of heating, ventilation, lighting, IT systems and transportation, are based on the need to maximise efficient energy use and to minimise harmful emissions.

- *Safety precautions for transport and cargo handling*

All transport and cargo handling processes are based on the need to maximise safety precautions and to minimise potential injuries to ACTED beneficiaries and staff as well as the suppliers' employees or those of its subcontractors.

C. Business Behaviour

The conduct of the supplier should not violate the basic rights of ACTED's beneficiaries.

The supplier should not be engaged

1. in the manufacture of arms
2. in the sale of arms to governments which systematically violate the human rights of their citizens; or where there is internal armed conflict or major tensions; or where the sale of arms may jeopardise regional peace and security.

D. ACTED procurement rules and regulations

Suppliers should comply with ACTED procurement rules and regulations outlines in ACTED Logistics Manual Version 1.2 or above. In particular, ACTED's procurement policy set out in Section 2.1 and 2.4. (contract awarding). By doing so, Suppliers acknowledge that they do not find themselves in any of the situations of exclusion as referred to under section 2.4.2.

Operating Principles

The implementation of the Code of Conduct will be a shared responsibility between ACTED and its suppliers, informed by a number of operating principles, which will be reviewed from time to time.

ACTED will:

1. Assign responsibility for ensuring compliance with the Code of Conduct to a senior manager.
2. Communicate its commitment to the Code of Conduct to employees, supporters and donors, as well as to all suppliers of goods and services.
3. Make appropriate human and financial resources available to meet its stated commitments, including training and guidelines for relevant personnel.
4. Provide guidance and reasonable non-financial support to suppliers who genuinely seek to promote and implement the Code standards in their own business and in the relevant supply chains, within available resources.
5. Adopt appropriate methods and systems for monitoring and verifying the achievement of the standards.
6. Seek to maximise the beneficial effect of the resources available, e.g. by collaborating with other NGOs, and by prioritising the most likely locations of non-compliance.

ACTED expects suppliers to:

1. Accept responsibility for labour and environmental conditions under which products are made and services provided. This includes all work contracted or sub-contracted and that conducted by home or other out-workers.
2. Assign responsibility for implementing the Code of Conduct to a senior manager.
3. Make a written Statement of Intent regarding the company's policy in relation to the Code of Conduct and how it will be implemented, and communicate this to staff and suppliers as well as to ACTED.

Both parties will

1. Require the immediate cessation of serious breaches of the Code and, where these persist, terminate the business relationship.
2. Seek to ensure all employees are aware of their rights and involved in the decisions which affect them.
3. Avoid discriminating against enterprises in developing countries.

4. Recognise official regulation and inspection of workplace standards, and the interests of legitimate trades unions and other representative organisations.
5. Seek arbitration in the case of unresolved disputes.

Qualifications to the Policy Statement

The humanitarian imperative is paramount. Where speed of deployment is essential in saving lives, ACTED will purchase necessary goods and services from the most appropriate available source.

ACTED can accept neither uncontrolled cost increases nor drops in quality. It accepts appropriate internal costs but will work with suppliers to achieve required ethical standards as far as possible at no increase in cost or decrease in quality.

E. Relation with Terrorism and Belligerent Forces

Bidder certifies that it has not provided and will not provide material support resources, information or any other means to any individual, association or organization that it knows, or has reason to know, is an individual or organization that advocates, plans, sponsors, engages in, or has engaged in an act of terrorism within Iraq or abroad. Bidders also commits to not support, advocate or assist any belligerent party that may affect ACTED alignment with humanitarian principles of impartiality and neutrality.

I undersigned _____, agree to adopt the above Code of Conduct and to commit to comply with the labour and environmental standards specified, both in my own company and those of my suppliers.

Name & Position of Bidder's authorized representative _____

Authorized signature _____

Stamp

BIDDER'S CHECKLIST – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/ERB/24/08/2020/001

BEFORE SENDING YOUR BIDDING DOCUMENTS, PLEASE CHECK THAT EACH OF THE FOLLOWING ITEM IS COMPLETE AND RESPECTS THE FOLLOWING CRITERIA :

Description	To be filled in by Bidder		For ACTED use only (to be filled in by Purchase Committee)		
	Included		Present		Comments
	Yes	No	Yes	No	
1. An original and one copy of the bid have been provided (compulsory for one original)					
2. (Form PRO-05) – Instructions to Bidders and the Technical evaluation are attached, filled, signed and stamped by the supplier. (compulsory)					
3. (Form PRO-06) – Offer Form is attached, filled, signed and stamped by the supplier. (compulsory)					
4. The prices in the Offer Form are in USD (compulsory)					
5. (Form PRO-06-01) – Bidders Questionnaire Form is attached, filled, signed and stamped by the supplier. (compulsory)					
6. (Form PRO-06-02) – Bidder's Ethical Declaration is attached, filled, signed and stamped by the supplier. (compulsory)					
7. The Bidding documents are filled in English. (compulsory)					
8. ANNEXES – Proofs of past performances and experience in a similar field of activity (e.g. past undertaking of similar work) are provided (compulsory) (Datasheets, contracts with references, catalogues, or any other supporting technical documents are appreciated)					
9. ANNEXES – A Copy of Company registration documents and license are included. (compulsory)					
10. ANNEXES – A copy of the bidder's Identification Documents (ID).					
11. Gantt Chart of the activities (compulsory)					
12. Proof of Financial Capacity (bank statement/Financial reports) and a list and evidence of company assets allocated to the project					
13. List of key personnel allocated to the project for management and technical support with updated CVs (compulsory)					

Name & Position of Bidder's authorized representative

Authorized signature

Stamp: