

Save the Children International
SAD Field Office - Tikrit

Bill of Quantities for rehabilitation of Water Treatment Plants in Shirqat city



الشركات/المقاولين المقيمين بالتقديرات الواردة في المستندات (المقاولات) التالية مع ورقة التقدير:

- 1- شهادة تأسيس الشركة، أو هوية غرضية للتجارة.
- 2- هوية تصنيف الشركة.
- 3- الحساب المصرفي للشركة + كشف حساب مصرفي حديث.
- 4- يقلل من الشركات التي لديها اعلان مقابلته ان يجوز ان يسبق وزيرتها مع اوراق التقدير.

For interested suppliers/companies, the following documents are a must to apply:

- 1- ID chamber of commerce, or company registration
- 1- Company rating statement (ID).
- 3- Company's bank account + most recent bank statement.
- 4- Preferably if the supplier/company has similar projects to share along with application documents.

Notes:

- 1- Iraqi General Technical Specifications (I.G.T.S.) guidelines applies to this BoQ.
- 2- All materials provided shall be inspected and approved by Save the children engineer and DoW engineer.
- 3- The materials shall be tested and approved by the National Center of Construction Laboratories (NCCL) when required.
- 4- All the materials shall be new and deemed to be of best available type in the local market (or as approved by the DoW and SCI engineer).
- 5- The item description herein after means "Supply of all materials, manpower, transportation, equipment, tools, machinery, temporary works, and all the other implementation related works", as approved by the Engineer.
- 6- In case of differences between bill of quantities and contract documents, the drawings (if existed) will govern. Unless specific requirements of the Engineer were addressed.
- 7- Sanctioned Countries - Iran, Syria, North Korea, Cuba, Somalia, - also (Water pumps should not be of Turkish brand as DoW demanded)
- 8- Please, read all the documents carefully Before putting prices, for any inquiries you can contact Procurement.Baghdad@savechildren.org and they will refer to the engineer.
- 9- WTP Coordinate : 43.275410 E 35.467382N location Salahdin- Shirqat - East side - Sadra Ulya

Aishahed ahmed WTP

NO.	Items description	Unit	Unit cost	Quantities	Total cost (IQD)
1	Maintenance and re-operation of submersible pump (River type) with 60 m ³ /hr. x 25 m) and (1500 rpm) and motor power min. 55KW, and supplying a cable with this specification (4 x 10 mm ²) and length (30 m). Maintenance must be by replacing of damaged pieces with new materials and of the same origin, with all the requirements, materials to complete the work and under the supervision of engineers and technical inspection of the pump according to the approved technical specifications and according to the directions of the supervising engineer. صيانة وإعادة تشغيل مضخة غاطس نهري بواصفات 60 م ³ /س/25 - 1500 دورة في الدقيقة مع تجهيز قائل لربط الغاطس مع البورد وفق المواصفات التالية (4 * 10 ملم ²) وطول (30 متر) . الصيانة يجب ان تكون بتغيير القطع التالفة بمواد جديدة ومن نفس النطاق فاعلا العمل كافة الاجزاء والاحتياجات والمواد اللازمة وبشراف المهندسين والفحص الفني المتابعة.	No.		1	0
2	Maintenance and re-operation of pumps with a capacity of (50 m ³ /hr. x 60m) (1500 rpm) , according to the standard specifications, supply and install operating starters complied with motor capacity with digital meters for voltage and Amperes. Electrical starter parts should connected by Copper busbar from reliable origins with all the fittings and accessories to complete the work and according to the direction of the supervise engineer. صيانة وتشغيل مضخة دفع سعة (50-60) /3-5 دور/دقيقة (طاقة دفع) وحسب المواصفات الفنية المعتمدة مع تجهيز وتثبيت سلكارات التشغيل التي تلائم سعة المحرك في نوعية (جوجل) التوافقية والاصورية على ان يكون الربط بين الاجزاء المتكررة الكهربائي بواسطة بوابات من النحاس من المشتري الرصيدة المعتمدة مع كل ما يتطلبه العمل من عكوس وتقسيم وتقال مع كل ما يتطلبه العمل وحسب توجيهات المهندس المشرف	No.		2	0
3	Prepare the materials and equipment to clean the sedimentation tanks and holding tank from the mud and algae without removing the paint and epoxy because it is in agood condition, just the damage parts and these parts very small due to shooting with all requirements to complete the work and ensure the working of the tanks very well, the works include painting for the areas maintained, supply and installation of the lamella sheet according to the approved technical specifications and according to the directions of the supervising engineer. تجهيز المواد والمعدات والقيام بتطهير احواض الترسيب وحوض التجميع عدد من الاطيان والطحالب دون الحاجة الى ازالة طبقات الصمغ والابوكسي مع تصليح بعض الاجزاء المتضررة نتيجة املاطات تارية مع صمغ المناطق التي يتم تصليحها معها ما يتطلبه العمل لضمان اداء عمل الحوض بصورة جيدة ووزن تركيب الاغصان مثبت وحسب المواصفات الفنية المعتمدة عند ان الاحراض بحالة جيدة ولا تحتاج الى اتصال حادة والحكم والقيام فقط بتطهير) وتوجيهات المهندس المشرف.	No.		1	0
4	Supply materials, tools and manpower for the maintenance and cleaning of filters, removing the damage parts and debris out of the compound. The work includes maintenance for the valves, locks and flange and replacing the nozzles, maintenance for the nozzles's plate and replacing of sand and gravel layers (5 tons) for each filter and according to the standard specifications of DoW in Salah Al Din and all the required to complete the work and according to supervisor engineer. Gravel size (50-38) mm thickness (10) cm. Gravel size (38-13) mm thickness (10) cm. Gravel size (13-9.5) mm thickness (10) cm. Gravel size (9.5-6.5) mm thickness (15) cm. Gravel size (6.5-2.5) mm thickness (15) cm. Effective size of sand (0.6-0.65) mm thickness (60) cm and the coefficient of regularity does not exceed (1.5) and make it in the case of good work and the instruction of site Engineer.	No.		2	0

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NO.	Items description	Unit	Unit cost	Quantities	Total cost (IQD)
	تجهيز المواد والمعدات اللازمة للقيام بعملية تنظيف الفلتر مع نقل كافة الاتفاقيات المتضمنة وتبديل الفلتر لاتصال حاددة ولحام وانما فقط طبقات الحمص والراى مال (5 طن) لكل فلتر والى المستويات المطلوبة وحسب المواصفات الفنية المستمدة من دليل مديرية مياه صلاح الدين (طما ان الفلتر بحالة جيدة ولا تحتاج الى اصلاح حاددة ولحام وانما فقط تنظيف) مع كل مايتطلبه العمل وحسب توجيهاات المهندس المشرف. حجم الحمص (38-50) ملم ويسبك (10) سم حجم الحمص (13-38) ملم ويسبك (10) سم حجم الحمص (9-13) ملم ويسبك (10) سم حجم الحمص (6.5-9) ملم ويسبك (15) سم حجم الحمص (2.5-6) ملم ويسبك (15) سم الحجم الفعال لتر مال المستخدم (0.65-0.6) ملم ويسبك (60) سم ومعامل الانتظام لا يتجاوز (1.5) وكل ما يتطلبه لجعل الفلتر يعمل بصورة جيدة.				
5	Replacing of all valves (3 inch) for each of the sedimentation , collection tank and the filters with all the required work according to the approved technical specifications and instructions of the supervisor	No.		1	0
6	Supply ,excavate ,bury, connect and operate a cable/4" 10 mm2) from the main board to the submersible pump with all requirements to complete the work according to technical specification and supervisor engineer.	ML		130	0
7	Maintenance and re-operation of the Air blower system unit 320m3/hr. with electric board and all accessories needed to complete the work, also must be connect with main board and all the connection to the filters according to technical specification and supervisor engineer	No.		1	0
8	Maintenance and re-operation of Alum system : mixer 1500 rpm (2Kw) with Shaft and Impeller from stainless steel IP55 and Class F for quick mixing with gearbox 250 rpm and according to technical specification and supervisor engineer	No.		1	0
9	Maintenance and re-operation Alum system: mixer with motor 1500 rpm (1.5 Kw) with Shaft and impeller from stainless steel IP55 and Class F for slow mixing with gearbox 50rpm and according to supervisor engineer	No.		1	0
10	Supply materials to maintain, connect and re-operate of chlorine boosters (2 m3/hX 90 m) the work includes maintain the electric board and replacings the PVC pipes and Wires with all accessories needed to complete the work, the price includes connect chlorine boosters to the alum tanks and according to technical specification and supervisor engineer	No.		1	0
11	Supplying materials, equipment and electrical technicians to maintain and operate the electric board of the plant and replace all damaged pieces with a new parts of reliable and approved by the Directorate of water with the return of the old parts to the water directorate	No.		1	0
12	Supply materials and equipment to rehabilitate of the controller cabin that's made from sandwich panel with dimenton (3x6 m) ,the works include replace the damage pannel and maintenece the PVC doors ,with all requirement to complete the works r and according to technical specification and directions of the supervisor engineer .	No.		1	0
13	Supply and install iron main gate with dimenions(6.5 x 2 m) for the external fence , the price include the painting by three layers of anti-rust and three layers of oil paint ,with all requirement to complete the works and according to the instruction of the supervisor engineer .	No.		1	0

NO.	Items description	Unit	Unit cost	Quantities	Total cost (IQD)
14	Supply materials, tools and manpower to replacing the damaged Lighting parts of LED lamps, with switches, with all requirements to complete the works and approved by site engineer.	No.		20	0
15	Supply materials, tools and manpower to maintain the aluminum windows and replace the damaged glass, with all requirements to complete the works and approved by site engineer.	M2		8	0
16	supply and install and operate an exhaust fan 6" of good quality with the necessary electrical connection, with all requirements to complete the works and approved by site engineer.	No.		2	0
17	Supply and install PVC door. The price including hinges, metal handles and key locks. (the external door shall be reinforced PVC), best quality available in the local market. Door type 85 cm x 210 cm- (reinforced PVC), all works shall be coordinated and approved by supervisor engineer	No.		5	0
18	Supply and install iron main gate with dimentions(6.5 x 2 m) for operators building, the price include the painting by three layers of anti-rust and three layers of oil paint, with all requirement to complete the works and according to the instruction of the supervisor engineer.	No.		1	0
19	Supply materials, tools and manpower to maintain the Perkins generator (350 KVA) the maintenance includes clean and maintenance for the nozzles (inductors) and replace the oil filter, fuel filter and supply battery (150 ampere), with all requirements to complete the works and approved by site engineer.	No.		1	0
20	Supply and install mechanical valves : 1 valves with 10 inch diameter 1 valves with 4 inch diameter 1 valves with 4 inch diameter 1 safety valves with 3 inch diameter 1 valve double flange 6 inch 1 check valve double flange 6 inch 2 check valve double flange 4 inch 2 valve double flange 4 inch with all accessories and according to technical specification and engineer supervisor	L.S		1	0
Total (IQD)					0

Prepared by: Abdulrah Najeem (WASH Officer)

Abdulrah Najeem

تجهيز جميع الاقفال الميكانيكية ومن ثم ربطها وتثبيتها ومن المنشآت الرصينة
 قفص 10 اناج عدد 1
 قفص 4 اناج عدد 5
 سبوت قلف 3 اناج عدد 1
 قفل دبل قفص قفص 6 اناج عدد 1
 جيوك راف دبل قفص قفص 6 اناج عدد 1
 قفل دبل قفص قفص 4 اناج عدد 2
 جيوك راف دبل قفص 4 اناج عدد 2
 بموجب المواصفات الفنية المعتمدة مع كل ما يتطلبه العمل وتجهيزات المهندس المشرف