**Request for Proposal (RFP)**

**Solicitation No: RFP TEPS-2022-018**

**Title: Rehabilitation of Port Sudan Hospital- Red Sea State**

**Issuing Date: 05th Sep 2022**

**Closing Date: 22nd Sep 2022**

**Questions Due:08th Sep 2022**

**Closing Time: 15:00hr (3:00pm) Khartoum, Sudan**

**Subject: USAID Contract No. AID-667-C-14-00001**

**Toward Enduring Peace in Sudan (TEPS)**

DT Global, the implementer of the Toward Enduring Peace in Sudan (TEPS) project under U.S. Agency for International Development (USAID) Contract No. AID-667-C-14-00001, invites proposals for the**Rehabilitation of Port Sudan Hospital- Red Sea State)**as described in Attachment I “Statement of Work.”

The anticipatedperiod of performance for this activity is**Nov 1st 2022** ending **Feb 1st 2022**The issuance of a subcontract is subject to availability of funds, successful negotiation of the subcontract terms and budget, and reception of USAID’s Contracting Officer subcontract consent, if required. The subcontract resulting from this award is envisioned to be a Firm Fixed Pricesubcontract.

DT Global encourages your organization to indicate its interest in this procurement by submitting a proposal in accordance with the instructions in Attachment II “Instructions to Offerors”. Proposals will be evaluated based on the evaluation criteria established in Attachment III of this solicitation. An award will be made to the Offeror whose proposal represents the best value to the project after evaluation in accordance with the criteria stated in the solicitation.

To be considered under the solicitation process, the Offeror should submit a complete proposal by the means indicated herein no later than the closing date and time indicated above. Offerors should ensure that the proposals are well written, easy to read and follow, and contain only the requested information.Proposals can be submitted **electronically** via email to:

TEPS Procurement Team

Email: procurements@aisudan.com

The solicitation number above must also be mentioned in the subject of the email.

All questions relating to this solicitation must be submitted electronically no later than **xxxxxx** at 15:00hrs (3 pm) Khartoum, Sudan time, via email to:

Procurement Team

procurements@aisudan.com

Unless otherwise notified by an amendment to this RFP, no questions will be accepted after this date. No questions/clarifications will be entertained if received by means other than the specified email address. The solicitation number should be stated in the subject. If you are planning to submit a proposal, it is imperative to confirm receipt of this solicitation by email to procurements@aisudan.com in order to be included on the solicitation mailing list to receive answers to questions and any future amendment(s).

Proposals must be submitted separately via two different emails. The first email shall include the technical proposal as an attachment and should be named “Technical Proposal” and the second email shall include the cost/business proposal and should be named “Business Proposal.”

Mandatory Minimum Requirements:

1. Signed technical submission form and financial proposal (Bid Book)
2. Completely filled and signed Bill of Quantities (BOQ)

Attachments:

1. Attachment I Instructions to Bidders
2. Attachment II Bid Book
3. Attachment III Representation Regarding Telecommunications and Video Surveillance Services or Equipment

Sincerely,

TEPS Procurement

## Attachment I- Instructions to Bidders

These Instructions to Offerors will not form part of the offer or of the Subcontract. They are intended solely to aid Offerors in the preparation of their proposals.

1. This is a competition among pre-qualified companies.
2. The proposals, and all corresponding documents related to the proposal must be written in the English language, unless otherwise explicitly allowed.
3. No costs incurred by the Offerors in preparing and submitting the proposal are reimbursable by DT Global. All such costs will be at the Offeror’s expense.
4. Proposals and all cost and price figures must be presented in USDThe services provided under this contract are funded by the U.S. Government and shall be exempt from Host Country taxes, import and other fees, as stipulated in the bilateral agreement between the U.S. Government and Government of Sudan.The Offeror must state in its Proposal the validity period of its offer. The minimum offer acceptance period for this RFP is **90 days** after closing date of the RFP. Offers with a shorter acceptance period will be rejected. This RFP in no way obligates DT Global to award a subcontract.
5. Late Offers:Offerors are solelyresponsible for ensuring that their offers are received in accordance with the instructions stated herein. DT Global reserves the right to reject any offer not submitted by the indicated deadline, even if it was late as a result of circumstances beyond the Offeror's control.
6. Modification/Withdrawal of Offers:Offerors have the right to withdraw, modify or correct their offer after such time as it has been emailed to DT Global; at the email address stated above and provided that the request is made before the RFP closing date.
7. Disposition of Proposals: Proposals submitted in response to this RFP will not be returned. Reasonable efforts will be made to ensure confidentiality of both Business and Technical Proposals received from all Offerors. This RFP does not seek information of a highly proprietary nature but if such information is included in the Offeror’s proposal, the Offeror must alert DT Global and must annotate the material by marking it “Confidential and Proprietary” so that these sections can be treated appropriately. In either way, by submitting an offer, even if sections are marked “Confidential and Proprietary’, the offeror accepts that such offers and the information contained within will be shared with USAID and different US Government authorities.
8. Technical Proposal and Business Proposal must be kept separate from each other. Technical Proposals **must not**include cost or pricing data to ensure that the technical evaluation may be made strictly on technical merit.
9. Clarification and Amendment to the RFP:
	1. Any question raised regarding this solicitation should be received no later than the date and the time indicated on the cover letter. All questions must be **in writing and** sent by email toprocurements@aisudan.com.No questions/clarifications will be entertained if they are received by means other than the aforementioned email address. The solicitation number should be stated in the subject line. Responses to questions received will be compiled and emailed to potential Offerors.
10. Offeror’s email message should state in the subject the solicitation number. Also, the email should include the name of your organization, the name of contact person, email address and telephone number.
11. DT Global anticipates that discussions with Offerors will be conducted; however, DT Global reserves the right to make award without discussions. Therefore, it is strongly recommended that Offerors present their best offer as their initial submission.
12. DT Globalmay waive informalities and minor irregularities in proposals received.

**Submission of Proposal:**

1. Proposals must be submitted in an electronic format as an email attachment, sent to Procurement Team email address mentioned herein, no later than the date and time specified in the cover letter.
2. The email should state the solicitation number in the subject line.
3. The file attachment should be in a format that can be opened by one of the following applications: PDF, MS Word, MS Excel, or MS PowerPoint. The submission of attachments in any other format may result in disqualifying the offer. Please make sure the files are not password protected or blocked in any other manner, as that might lead to disqualifying the offer.
4. Please note that the TEPS email server has a limitation of 20MB for the total attachments per single email. It is strongly recommended that the size of ALL attachments per a single email be less than 20MB.
5. The technical proposal and business proposals should be submitted in two separate emails. The first should be named “Technical” and the second “Cost/Business.” If the submission will be through several emails, then the emails should be sequentially numbered indicating the total number of emails that will be submitted (example 1/4, 2/4, 3/4 and 4/4).

**Content of Proposal:**

The proposal shall consist of five (5) sections. 1) The Cover Page-Technical, 2) The Technical Proposal, 3) The Cover Page-Cost, 4) the Cost/Business Proposal; and 5) The Attachments

1. The Cover Page-Technical:

The cover page should be on the Offeror’s letterhead and MUST contain the following information:

* + Solicitation Number
	+ Company’s Name:
	+ Company’s Address
	+ Name of Company’s authorized representative
	+ Telephone No, Cellular Phone #, Email address
	+ Validity of Proposal
	+ Signature, Date and time
1. Technical Proposal:

The technical proposal shall describe how the Offeror intends to carry out the statement of work. It will also address the Offeror’scorporate capabilities to carry out the work and the extent to which the Offeror has a demonstrated ability to provide the required services. The technical proposal should include the following:

* + Company Profile
	+ Detailed Works Schedule from mobilization through site handover
	+ A narrative explanation of the implementation of the works
	+ Administrative documents as described in the technical evaluation criteria (registration, tax documents, presence in Sudan, membership to contractors’ associations, etc.)
	+ A list of key personnel (professional staff), their role in the project, and their CVs
	+ Detailed Equipment List, with proof of ownership if applicable
	+ Proof of Financial capability
	+ Proof of previous performance of similar services, including completion certificates and references.

NOTE: The Offerormust include the resumes of all proposed personnel for this project.

The technical proposal should follow the same order of the technical evaluation criteria mentioned in Bid book. Failure to respond to any section will be the basis for disqualification of the Offeror from further consideration.

1. The Cover Page - Cost/Business:

The cover page should be on the Offeror’s letterhead and MUST contain the following information:

* + Solicitation Number
	+ Company’s Name:
	+ Company’s Address
	+ Name of Company’s authorized representative
	+ Telephone No, Cellular Phone #, Email address
	+ Total Proposed Price
	+ Validity of Proposal
	+ Signature, Date and time
1. The Cost/Business Proposal:

As stated earlier, the cost proposal shall be submitted separately from the technical proposal. The BoQ will present the cost for performing the work specified in this solicitation.A template is provided for the pricing as Annex 1. At a minimum, the cost proposal will include the following information:

1. A detailed cost break-down of the proposed budget to the maximum extent practical using the template provided.
2. A detailed and comprehensive budget narrative explaining the basis for the cost estimates.

This solicitation in no way obligates DT Global to award a subcontract, nor does it commit DT Global to pay any costs incurred in preparation and submission of a proposal in response to the RFP. Furthermore, DT Global reserves the right to reject any and all offers if such action is in the best interest of DT Global.

The Offeror must provide a pricedBoQ in the template provided. If an Excel file, it should not be ‘read only’ or ‘protected.’ The proposal must include any necessary supporting information to substantiate proposed costs.

**Attachment II- Bid Book**

|  |  |
| --- | --- |
| **Scope ofBid** | DT GLOBAL invites pre-qualified construction contractors to submit a best-price proposal for this work funded by the USAID as describedinthisBiddocumentation.Offerors are responsible for ensuring that their proposals are received by DT GLOBAL in accordance with the instructions, terms, and conditions described in this RFP. Failure to adhere with instructions described in this RFP may lead to disqualification of a proposal and offeror from consideration. |
| **Source of Funds** | USAID |
| **Eligible Bidders** | Bidders are required to submit signed electronic technical submission form and financial proposal mentioned below to be eligible for evaluation1. Signed technical submission form and financial proposal
2. Methodology and Work Schedule
3. Completed, filled and signed BOQ
4. CVs of key technical personnelthat will be used in this project.
5. List of adequate equipment for this project
6. Registration in Sudan under (companies law, contractors union)
7. Registration for taxation.
8. Financial Capabilities (bank letters- bank statement).

Ineligible to participate in the bidding process are:* Offerors (including all subcontractors which will be engaged) must not currently be associated with or have been associated with (or the affiliates of a business or company) the consultants or company which developed the specifications, plans, measurements, and other documents used in previous RFPs or as part of this RFP.
* Offerors who are bankrupt or insolvent as determined by a judicial decision other than bankruptcy, resulting, in accordance with the applicable legislation, in total or partial seizure by the Administration and disposition of its property;
* Offerors who are seriously guilty of false statements regarding information required for its participation in a Request for Quotations or a RFP;
* Offerors who have not substantiated being in compliance with the Tax and Labor Administration;
* Offerors who have connections with terrorist organizations or who finance acts of terrorism.
 |
| **One Bid per Bidder**  | Firmsshallsubmitonlyonebidperbiddingprocess. Any proposals that are identified as coming from the same firm will be disqualified. |
| **Cost of Bidding** | The bidder shall bear all costs associated with the preparation and submission of its bid.DT GLOBAL and the Bid Committee will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. No fees may be charged for the collection of a bid book.  |
| **Site Visit** | The bidder is advised to visit and examine the Site of Works and its surroundings and obtain as their own responsibility, all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. |
| **Language of Bid** | TheLanguageofBidshall be English |
| **Annexes Incorporated by Reference** | The bidder is responsible of becoming familiar with Annex 6 (Mandatory FAR clauses to be incorporated in the award) |
| **Packaging and Marking of Proposal** | Proposals/ Bids should be submitted by email, as stated above (preferred submission option), orhand delivered to the Chief of Party in sealed envelope in which there are two envelopes for the financial and technical proposals (clearly marked as such on the envelope), If submitting in hard copy (hand delivered) the Bid documents should be sealed in two (2) envelopes and deposited to the location designated in the Invitation to Bid before the expiry of the deadline for submission of Bids. * A first sealed envelope bearing the name of the Offeror and the subject of the RFP marked “**TECHNICAL PROPOSAL**”, containing one (1) original, one (1) copy of the original and one (1) digital copy (on a USB storage device)
* A second sealed envelope bearing the name of the Offeror and the subject of the RFP marked “**COST PROPOSAL**”, containing one (1) original, one (1) copy of the original, and one (1) digital copy (on a USB storage device

The two envelopes will be inserted in an outer envelope that will be marked as: **DT GLOBALSudan****RFP TEPS-2022-018****DUE:Sep 22nd 2022** |
| **Mandatory Documents included in Bid****Mandatory Documents****Technical Documents****Cost Proposal****References** | The Bidder shall fill all the information requested in the Bidding Documents. The documents to be included in the bid are: **Sub-Attachment A- Form ofBid \***Sub-Attachment B- Certification to Additional Agreements as Part of the Bid \***Sub-Attachment C- Key Site Staff (CV and Certificates Must be attached) \*****Sub-Attachment D-List ofEquipment \*****Sub-Attachment E- List of Local Labor \*****Sub-Attachment F- Methodology of Work Schedule****Sub-Attachment G- Bills of Quantities - Blank (to be filled)****Sub-Attachment H- Certification of BOQ Quantities \*****Sub-Attachment I- Annexes**Submission forms requiring Bidder’s Signature are marked with an **(\*)** |
| **Bid Prices** | Bidders are responsible for checking the accuracy of the BOQ. If significant deficiencies are identified, the bidder should reflect those discrepancies in the BOQ**as a separate line item and should bring to the attention to the evaluating committee with a foot note**. The Contract shall be for the whole Works computed based on the unit rates and prices in the Bill of Quantities submitted by the bidder. The bidder shall fill in prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the bidder will not be paid for when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.  |
| **Currency of Bid and Payments** | The currency of the Bid shall be in USD**All payments will be made in Sudanese Pounds (SDG). If a subcontract is issued in USD, payments shall be calculated in USD and converted to SDG using the Byblosbank official rate at the time of payment.** |
| **Filling and Signing of the Bid** | The bidder shall fill all the information requested in the bid documents. If additional pages are required, the same can be inserted and paged accordingly. All the information shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the bidder. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid. |
| **Bid Validity** | The Bid shall remain valid for a period of **90 days** from the date of closing of the RFP. Bidders may not alter their bids after submission.  |
| **Bid Opening** | Opening of the Bids shall be presided over by the members of the Bid Committee |
| **Process to be Confidential** | The Bid Committee will not share information relating to the examination, clarification, evaluation, and comparison of bids, and recommendations for the award of a contract, shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any effort by a bidder to influence the Bid Committee’s processing of bids or award decisions may result in the rejection of the bidder’s bid.  |
| **Clarification of Bids**  | To assist in the examination, evaluation, and comparison of bids, the Bid Committee may, at its discretion, ask any bidder for clarification of its bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing, but no change in the price or substance of the bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Bid Committee in the evaluation of the bids.  |
| **Evaluation of Bids** | The Evaluation Committee will have the responsibility to review, evaluate and qualify each of the criteria of all the offers received. As a result of the evaluation, the Evaluation Committee will jointly recommend the Offeror to be awarded the contract/contracts. If there are significant deficiencies regarding responsiveness to the requirements of this RFP, a proposal may be deemed “non-responsive” and thereby disqualified from consideration. **Compliance of Mandatory Documents:** The committee will verify presence of mandatory documents and certifications. DT GLOBAL reserves the right to waive immaterial deficiencies at its discretion.**Technical Evaluation**: Members of the Bid Committee serving as the Technical Evaluation Committee will first evaluate offers on their technical merits. The technical evaluation assesses the capacity of the company based on submitted technical documents. Technical evaluation criteria are mentioned below and will be evaluated using a numerical scale of 100 marks. A bid must receive at least 70 marks to be considered “technically qualified.”A detailed breakdown of the technical evaluation criteria is listed below:

|  |  |
| --- | --- |
| **Technical Evaluation Criteria** | **Total Points** |
| **Technical Approach (30 Points):**  |  |
| Offerors should prepare a works schedule, including mobilization schedule, with a detailed and realistic timeline to implement and complete the construction/rehabilitation works. This plan shall describe a detailed breakdown of activities that will allow TEPS to monitor weekly progress. The Offerors must demonstrate a full understanding of the construction/rehabilitation work to be performed.  | 30 |
| **Capabilities and Experience (40 Points):**  |  |
| Legal registration in Sudan and in-country presence, including registration with Sudanese contractors’ associations. Offeror should be registered for at least 3 years and in good standing with relevant tax and regulatory authorities. Incorporations older than 3 years are preferred.  | 10 |
| Key personnel proposed for contract have the relevant technical expertise to carry out the works as described, complete with CVs and description of the roles. | 10 |
| Detailed list of equipment, and proof of ability to mobilize required equipment, either through ownership or lease. | 10 |
| Proof of financial capability to undertake works (statement of capital, bank records, financial statements for the last previous 2 years, audit reports, etc.). | 10 |
| **Past Performance (30 Points):**  |  |
| A proven track record of implementing similar activities to those outlined in the scope of work. This shall include a minimum of four similar projects with government, commercial, or international clients. | 20 |
| Additional scores will be provided for successful implementation of similar projects in the state or county level.  | 10 |
| **TOTAL** | **100** |

The Bid Committee members serving as the Technical Evaluation Committee will only evaluate technical proposals. A separate committee will evaluate the cost proposals of technically qualified bidders.**Financial Evaluation**: The Cost Proposal EvaluationCommittee (or individual) will proceed to evaluate the reasonableness of the cost proposal. Financial offers outside a margin of +/-20% of DT Global’s confidential internal estimate will not be considered for award. For technically qualified offers within DT Global’s acceptable price range, individual line items will be checked for price reasonability. Line items that areunreasonably high will be identified for further negotiation. The evaluation committee will proceed to request:1. a breakdown of the cost
2. best negotiated and final offer for those line items

The best and final price proposalwill be reviewed for reasonability.The passing technical bids shall be checked for any arithmetic errors and corrections made as follows: 1. Where there is a discrepancy between the amounts in figures and words, the amount in words will govern.
2. Where there is a discrepancy between the unit rate and the line item total derived from multiplying the unit rate by the quantity, the unit rate as quoted will govern unless in the opinion of the Bid Committee, there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line-item total as quoted will govern and the unit rate will be corrected.

If a bidder refuses to accept the correction, their bid will be rejected.  |
| **Award** | The Bid Committee will recommend a bidder whose bid has been determined to:1. **be substantially responsive to the bidding documents.**
2. **Receives a technical evaluation score of at least 70 marks; and**
3. **Provides the lowest cost within +/-20% of DT Global’s internal confidential estimate.**

DT GLOBAL shall then notify the successful bidder in writing that his Bid has been accepted before the expiry of the period of Bid validity. The Letter of Acceptance sent to the Contractor shall state the sum payable to the Contractor for execution, completion and maintenance of Works as per the Bid. The Evaluation Committee will also propose as second and third alternatives, the offers that they occupy the second and third place in descending order.DT GLOBAL shall then send the Subcontract Agreement to be signed by the selected Contractor. The Contractor should return the signed Subcontract Agreement within five (5) days of receiving the Contract.The contractor attests to their ability to mobilize on site with all specified equipment withinten days of award and subsequent contract signing.DT GLOBAL reserves the right to conduct any of the following:* May conduct cost negotiations with offerors’ and (request best and final) and/or request clarifications from any offeror prior to award.
* While preference will be given to offerors who can address the full technical requirements of this RFP, DT GLOBAL may issue a partial award or split the award among various offerors, if in the best interest of the program.
* DT GLOBAL may cancel this RFP at any time.
* DT GLOBAL may reject any and all offers, if such action is considered to be in the best interest of DT GLOBAL, or USAID

DT GLOBAL reserves the right not to notify bidders if their offers were unsuccessful. |

**Mandatory Documents to be included in the Bid Package**

**SUB-ATTACHMENT A: Form ofBid**

To, The BidCommittee:

1. Havingvisitedtheaboveprojectsiteandexaminedtherequiredbiddingdocumentsfortheabovementioned works,weoffertoexecute,completeand remedyanydefectsto the works thereinfor thesumof(Insert amount in figures USD\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (insert amount in words) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. We agree,ifourbid isaccepted,to mobilize on site with all respective equipment required to facilitate works and to begin said work within \_\_\_\_\_\_\_\_ calendar days of signing the official contract. We hereby further agree to complete and deliver the works in accordance with the contract within \_\_\_\_\_\_\_\_ calendar months calculated fromthedateofstartingthe works. Failure to maintain the approved timeline for delivery and schedule of works may result in the assessment of liquidated damages and possibly termination of the contract for cause. We understand and agree that DT GLOBAL and its TEPS representatives are not responsible to help facilitate transport of equipment into areas of designated works.
3. We understandandweacceptthattheCommitteeisnotboundtochoosethelowestpriceoranybidthatmaybereceivedandthatanyorallbidsmayberejected withoutassigning anyreasonfor suchrejection.
4. The validity of bids period is 180 days from the date of closing of bid submission and weagreetoabidebythisfromthedatefixedforreceipt ofthe same.
5. UnlessanduntilaformalAgreementispreparedandexecuted,thisBid,togetherwithyourwrittenacceptancethereof,shallconstituteabindingcontract betweenus.

Datedthis \_\_\_\_\_\_\_\_\_\_ Dayof \_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_\_

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the capacityof \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## SUB-ATTACHMENT B: Certification to Additional Agreements as Part of the Bid

|  |  |
| --- | --- |
| Type of Contract to be Awarded  | Firm Fixed Price |
| Defects Liability Period | 06 months |
| Percentage of Retention | 10% of final milestone Payment  |
| Time Allotted for Payment(s) once Payment Certificate is Approved | Seven (7) Days from Receipt of Official Invoice |
| Local labor to be hired under the contract | 50% |
| Percentage of Women to be Hired Under the Contract | Minimum of 5% |
|  |  |
|  |  |
|  |  |

## Terms and Conditions ofAward

Thesubcontractawardwill include, butnotbelimitedto,thefollowing provisions:

**TYPE OF SUBCONTRACT**

This is a Firm Fixed Price subcontract. This fixed price includes, but is not necessarily limited to, all of the Subcontractor’s labor, supervision, insurance, transportation, fuel, oil, materials, tools, equipment, transport, loading and offloading, handling,maintenance,testing,taxes,qualitycontrol,security,wasteremovalandother obligations to which the Subcontractor maybe entitledas wellas theentireandindirectcosts,suchasoverhead,transportation,andprofit.Payments to contractor cannot exceed the total contract award.

The subcontractor agrees that shall bear the financial responsibility for any fines, fees, penalties, or corrective costs that result as a consequence of the subcontractor’s failure to meet the local environmental city regulations concerning demolition and disposal in a manner consistent with the terms of this subcontract.

Any fines, fees, penalties, or corrective costs that are not paid by the Subcontractor directly, shall be deducted from the final contract value.

SignatureofBidder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SUB-ATTACHMENT C:Key Site Staff (CV and Certificates Must be attached)**

Please provide CVs indicating number of years of experience together with Educational and Technical Certificates

|  |  |
| --- | --- |
| **#** | **Key Site Staff** |
| 1 | Name: Title/ Position: Description of Education Qualification: Description of RelevantWork Experience:  |
| 2 | Name: Title/ Position: Description of Education Qualification: Description of Relevant Work Experience:  |
| 3 | Name: Title/ Position:Description of Education Qualification:Description of Relevant Work Experience:  |
| 4 | Name: Title/ Position: Description of Education Qualification: Description of Relevant Work Experience:  |
| 5 | Name: Title/ Position: Description of Education Qualification: Description of Relevant Work Experience:  |
| 6 | Name: Title/ Position: Description of Education Qualification: Description of Relevant Work Experience:  |

I hereby certify that all CVs are attached

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Signature of Contractor | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date |

**SUB-ATTACHMENT D: List ofEquipment**

Ifabidderindicatesthattheyowntheequipment,thenallthedetailsintheformmustbefilled.Ifhired,thedetailsrequestedmaynotbeknownandmaybeomitted.**Biddermustattachproofoflease or ownership.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Equipment Name** | **Model** | **Year of manufacture** | **# allocated for the project** | **Owned/Hired** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |
| 8 |  |  |  |  |  |
| 9 |  |  |  |  |  |
| 10 |  |  |  |  |  |

Weherebycertifythatnotwithstandingthe listofequipmentdetailedabove,wewillprovidesufficient,suitableandadequateequipmentingoodworkingorderforthesuccessfulcompletionofworks.

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Signature of Contractor | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date |
|  |  |

**SUB-ATTACHMENT E:List ofLocal Laborers**

Thebidderhavingworkedadetailedmethodologyshouldhaveaclearviewoftheamountoflaboreffortrequiredincompletionoftheworks.Itisrecommendedtouselocallaborasfaraspracticableintheworks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Activity** | **No. oflocal labor tobe deployed** | **Male** | **Female** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Signature of Contractor | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date |

**SUB-ATTACHMENT F: Methodology and Works Schedule**

**1-Methodology** (describe majoractivities and how will they be implemented: procurement, mobilization to project site (including materials delivery and project office and housing for workers), and all construction activities excavation, demolition, floors, walls, ring beam, ceiling, finishing, water supply and distribution system, electrical supply and distribution system, latrines, and landscaping) The duration for each activity with a planned start and end date, How supervision will be monitored weekly, proposed a payment schedule base on progress for each BOQ line item .

**Major Activities** (please describe how they will be implemented).

**Supervision and Quality Control** (please describe how is to be done)

## 2-Work Plan - The bidders shall break down their tasks and prepare a detailed resource-based program of works on a Gantt chart to ensure completion within the stated time frame in the format shown below.

## Note,thebelowisonlyasampleand thebidder isrequiredto prepare theirprogram and attachhere.

|  |  |  |
| --- | --- | --- |
| **#** | **Activity** | **Duration (Weeks)** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |

**SUB-ATTACHMENTG: Cost Proposal& Bill of Quantities (Attached as excel file)**

* The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditionsof Contract, Technical Specifications, Designs and Drawings.
* TheratesandpricesbidintheBillofQuantitiesshouldincludealllabor,supervision,materials,equipment, erection,maintenance,insurance,**taxes,andduties**,togetherwithallgeneralrisks,liabilities,andobligationssetoutorimpliedintheContract.
* ArateorpriceshallbeenteredagainsteachitemintheBillofQuantities,whetherquantitiesarestatedornot.ThecostofItemsagainstwhichtheContractorhasfailedtoenterarateorpriceshallbedeemedtobecoveredbyotherratesandpricesenteredintheBillofQuantities.
* Thewhole costofcomplyingwiththeprovisionsoftheContractshallbe included intheItemsprovidedintheun-pricedBillofQuantities,andwherenoItemsareprovided,thecostshallbedeemedtobedistributedamongtheratesandpricesenteredfor therelatedItemsofWork.
* GeneraldirectionsanddescriptionsofworkandmaterialsarenotnecessarilyrepeatednorsummarizedintheBillofQuantities.ReferencestotherelevantsectionsoftheContractdocumentationshallbemadebeforeenteringpricesagainsteachitemintheBillofQuantities.
* The method of measurement of completed work for payment shall be in accordance with CESSM - Collaborative Evaluation of Semantic Similarity.

Errors will be corrected by the Employer for any arithmetic errors in computation or summation as follows: Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and thetotalamountderivedfromthemultiplicationoftheunitpriceandthequantity, theunit rate asquotedwillgovern,unless intheopinion of theBid Committee,there is anobviouslygross misplacementofthedecimalpoint inthe unitprice, inwhichevent thetotalamountas quotedwillgovernandtheunitrate will be corrected.

The quantities in BOQ are estimates and might be slightly reviewed upwards or downwards during the final stages of design and BOQ verifications. In this case,the unit price provided by the bidders in their offershall be used to compute any variation in the quantities, (+/- 10%.modifications).

**Bill of Quantities**

**Rehabilitation of Port Sudan Hospital**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bill No.1 Quantities and Specifications for Rehabilitation of Elsheish Wards** | **Description** | **Unit** | **Qty** | **Unit Price (USD)** | **Total Cost (USD)** |
| **1.1** | **Ground Floor Rehabilitation** |
| **A** | **The Main Building** |
| **A.1** | **Removal works:** |  |  |  |  |
| A.1.1 | Dismantling and removing the entrance iron door size (2.8 \* 2.5 m).The rate also includes handing over the scrap to the Engineer. | No. | 1 |  |  |
| **A.2** | **Hacking and Plastering works:** |  |  |  |  |
| A.2.1 | Supporting the roof by fuses at the external veranda, where damaged columns are located, remove the weak and dead parts of the concrete cover at1.5 m high, inspect and clean the reinforcing steel,paint it with Zinc Rich material, as well as support it using 8 mm stirrups, and then re-cover the concrete using the two materials (**Sikalite-Sikalatex**). | M2 | 17 |  |  |
| A.2.2 | Hack and remove the damaged plaster layer of the external walls and apply smooth plaster with a cement ratio of 1:4 and a height of 60cm. | M2 | 51 |  |  |
| A.2.3 | Supply materials and fill the wall cracks by using imported material (**Sikadur**) at 20%. | M.L | 127 |  |  |
| **A.3** | **Paintings Works:** |  |  |  |  |
| A.3.1 | Supply materials and apply paint using Sudanese Bombastic in three layers for roofs, beams, and balconies as well as sanding the old paint. | M2 | 336 |  |  |
| A.3.2 | Supply materials and apply paint using Sudanese Bombastic in three layers for the internal and external walls, after applying a silk primer, in addition to applying sanding for the old paint. | M2 | 633 |  |  |
| A.3.3 | Supply materials and apply paint using Sudanese Bombastic in three layers for the columns, after applying a silk primer, in addition to applying sanding for the old paint. | M2 | 38 |  |  |
| A.3.4 | Supply materials and apply a Sudanese oil paintingonwalls from inside and**lane’s** direction up to1.5m in height. | M2 | 210 |  |  |
| **A.4** | **Smithy Works:** |  |  |  |  |
| A.4.1 | Supply materials, installing and fixing a window grille made of skewer iron,size 1.5\*1.26 m.The rate includes applying oil paint after applying a primer coat of (**zalqon**) and dismantling the old one. | No. | 3 |  |  |
| A.4.2 | Supply materials, manufacture, install and fabricate a door of heavy rectangular pipes 2 \* 4 cm size 2.8 \* 2.5 m. The rate includes applying oil paint after applyinga primer coat of (**zalqon**) as well as dismantling the old one. | No. | 1 |  |  |
| A.4.3 | Supply materials and oil paint for a window grille from skewer iron, size 1.5\*1.26 m after applyinga primer coat of (**zalqon**) in addition to sanding iron. | No. | 10 |  |  |
| **A.5** | **Carpentry Works:** |  |  |  |  |
| A.5.1 | Supply materials, manufacture, install, and fabricate a pine wood door size 1.10\*2.25 m. This rate includes applying Sudanese oil paint as well as installing kolins, bolts, hinges, and all other fittings. | No. | 2 |  |  |
| A.5.2 | Supply materials, manufacture, install, and fix apine wood door size 1.10\*2.25 m. This rate includes applying Sudanese oil paint, as well as the installation ofkolins, bolts, hinges, all other fittings,as well as dismantlingof the old one and handing over it to Engineer. | No. | 2 |  |  |
| A.5.3 | Supply materials, manufacture, install and fix a pine wood door size 1.5\*2.25 m. This rate includes applying Sudanese oil paint, as well as the installation ofkolins, bolts, hinges, all other fittings, as well as dismantling of the old one and handing over it to Engineer. | No. | 1 |  |  |
| A.5.4 | Supply materials and performcomprehensive maintenance ona 1.5 \* 2.25 wooden door. This rate includes applying oil paint, bolts, hinges, kolins, and changing the iron frames. | No. | 5 |  |  |
| A.5.5 | Supply materials and performcomprehensive maintenance ona 2.0 \*2.25 m glass door.This rate includes applying oil paint, installing the glass, changing the iron frames, and the door leaf. | No. | 2 |  |  |
| A.5.6 | Supply materials and performmaintenance on 2.30\* 2.65m wood and glass partitions.This rate includes changing of frames, the painting, and installation ofthe glass. | No. | 2 |  |  |
| A.5.7 | Supply materials and performmaintenance onthe 1.5 \* 1.26 m wood and glass windows.This rate includes installing the glass, kalons, hinges, and installing the leaf as well as the proper fixing. | No. | 10 |  |  |
| A.5.8 | Supply materials, manufacture, and install a complete pine wood and glass window size1.5 \* 1.26 m. This rate includes painting with oil paints, as well as dismantling the old one and handing it over to the Engineer. | No. | 3 |  |  |
|  |  |
| **B** |  |
| **B.1** | **Removal work:** |  |  |  |  |
| B.1.1 | Demolish, remove, and fill the well and the old septic tank withwell selected soil approved by the Engineer. | Lump Sum | 1 |  |  |
| **B.2** | **Hacking and Plastering works:** |  |  |  |  |
| B.2.1 | Hack and remove the damaged plaster layer fromthe outside of the walls,thenmake a smooth plaster with a cement mortar ratio of 4:1 for a height 2m. | M2 | 18 |  |  |
| B.2.2 | Supply materials and fill wall cracks with 60%imported material (**Sikadur**) at 60%. | M.L | 42 |  |  |
| **B.3** | **Paintings Works:** |  |  |  |  |
| B.3.1 | Supply materials and apply three layers of Sudanese bombastic paint to roofs; this rate also includes sanding. | M2 | 25 |  |  |
| B.3.2 | Supply materials and apply three layers of Sudanese bombastic paintto the internal faces of the walls.This rate includes sanding after applying a silk primer and sanding. | M2 | 72 |  |  |
| **B.4** | **Tile Works:** |  |  |  |  |
| B.4.1 | Supply materials and install tilesusingEgyptian imported ceramic (Cleopatra brand) for the floors. | M2 | 25 |  |  |
| B.4.2 | Supply materials, and install Egyptian imported ceramic (Cleopatra brand) tilesfor the full height of the inside face of the walls. This rate includes dismantling the old one, and moving Rubble off site. | M2 | 30 |  |  |
| **B.5** | **Carpentry Works:** |  |  |  |  |
| B.5.1 | Supply materials, manufacture, install, and fix a complete (**Sabros**) door from pine wood size 0.8\*2m. This rate includes painting with Sudanese oil paint, Kolins, bolts, hinges, etc., as well as dismantling the old one and handing it over to the Engineer. | No. | 5 |  |  |
| **B.6** | **Plumbing work:** |  |  |  |  |
| B.6.1 | Supply materials, install, and connect a PPR pipe size 1/2". | M.L | 9 |  |  |
| B.6.2 | Supply materials and install a valve and faucet 1/2"complete(German brand). | No. | 5 |  |  |
| B.6.3 | Supply materials and install a complete modern toilet seat. | No. | 1 |  |  |
| B.6.4 | Supply materials and install a complete hand wash basin. | No. | 2 |  |  |
| B.6.5 | Supply materials and install a complete (**beeba**) connected by PPR pipe size 2". | No. | 5 |  |  |
| B.6.6 | Supply materials and construct a manhole size 1\*1m from red brick. Therate includes the excavationand supplying a 60\*60 cm cover made of cast iron.. | No. | 6 |  |  |
| B.6.7 | Supply materials and construct a 30cm\*30cm Gully Trap size madefrom red brick. The rate includes the excavation and supplying a 30\*30 cm cover made of cast iron. | No. | 5 |  |  |
| B.6.8 | Supply materials and construct a drainage well with an interior diameter of 2m and a submersible of 90cm, as well as the main buildings made from red brick withreinforced concrete roofs of 15cm anda cast iron cover. This rate includes the construction of a 20 \* 40 cm **khenzira**. | No. | 1 |  |  |
| B.6.9 | Supply materials and construct a Septic Tank out ofred brick walls with a thickness of 30 cm. The Interior dimensions are 3 \* 2 \* 2 m. This rate includes constructing the required openings and providing covers made of cast-iron. | No. | 1 |  |  |
| B.6.10 | Supply, install, and connect a 1/2” water pump,the brand of which issubject to the engineer’s approval. The rate includes installing aniron protection cage,all plumbing connections using 3/4", 1" pipes, and all other necessary fitting required by the consultant. | No. | 1 |  |  |
|  |  |
|  |  |
| **1.2** |  |
| **A** |  |
| A.1 | **Building works**: |  |  |  |  |
| A.1.1 | Supply materials and construct a red brick wall building with a thickness of 20 cm for the rooftop. | M2 | 25 |  |  |
| **A.2** | **Plastering works:** |  |  |  |  |
| A.2.1 | Supply materials and apply a smooth plaster with a cement mortar ratio of 1:4 on both sides ofrooftop buildings. | M2 | 50 |  |  |
| **A.3** | **Hacking and Plastering works:** |  |  |  |  |
| A.3.1 | Hack and remove a damaged plaster layer from the outside face of the walls, then smooth plaster 1:5 with a height of 60 cm. | M2 | 51 |  |  |
| A.3.2 | Supply materials and fill wall cracks with material (**Sikadur).** | M.L | 68 |  |  |
| **A.4** | **Paintings Works:** |  |  |  |  |
| A.4.1 | Supply materials and apply three layers of Sudanese Bomastic paint toroofs and cantilevers. The rate includes sanding the old one and applying a silk primer. | M2 | 283 |  |  |
| A.4.2 | Supply materials and apply three layers of Sudanese Bomastic paint the walls’ internal and external faces, after applying a silk primer and sanding the old paint. | M2 | 431 |  |  |
| A.4.3 | Supply materials and apply three layers of Sudanese Bomastic paint for the balcony walls and the corridor direction, after applying a silk primer and sanding the old paint. | M2 | 165 |  |  |
| A.4.4 | Supply materials and apply three layers of Sudanese Bomastic paint for the columns, after applying a silk primer and sanding the old paint. | M2 | 22 |  |  |
| A.4.5 | Supply materials and apply three layers of Sudanese Bomastic paint for the façade beam, after applying a silk primer and sanding the old paint. | M2 | 20 |  |  |
| A.4.6 | Supply materials and apply three layers of Sudanese Bomastic paint for the rooftop building onboth sides, after applying a silk primer and sanding the old paint. | M2 | 308 |  |  |
| A.4.7 | Supply materials and apply a Sudanese oil paint tothe internal facesof the1.5 m high walls. | M2 | 290 |  |  |
| **A.5** | **Carpentry Works:** |  |  |  |  |
| A.5.1 | Supply materials, manufacture, install, and fabricate a 1.10\*2.25 m pine wooden door, rate includes applying Sudanese oil paint, kolins, bolts, hinges, etc. In addition to dismantling the old one and handing it over to the Engineer. | No. | 1 |  |  |
| A.5.2 | Supply materials and complete rehabilitation ofa wooden door measuring 1.10 \* 2.25 m. Therate includes applying oil paint, bolts, hinges, kolins, changing the frames,and proper fixing. | No. | 5 |  |  |
| A.5.3 | Supply materials and complete rehabilitation ofwooden and glass doors measuring1.10\*2.25 m. The rate includes changing theframes,painting, kolins, hinges, bolts, installing glass and proper fixing. | No. | 2 |  |  |
| A.5.4 | Supply materials complete rehabilitation ofa wood and moissanitdoor size 1.10 \* 2.25. Therate includes installing the moissanit, painting, kollins, bolts, hinges and changing the frame. | No. | 3 |  |  |
| A.5.5 | Supply materials and repair the 2.30 \* 2.65 m wood and glass partitions; rate includes changing the frame, applying paint and installing the glass. | No. | 4 |  |  |
| A.5.6 | Supply materials and repair a 1.5\*1.26 m, wood and glass window;the rate includes installing the glass, bolts, hinges, installing leaf, and proper fixing. | No. | 13 |  |  |
| **A.6** | **Roofs Rehabilitation Works:** |  |  |  |  |
| A.6.1 | Supply materials and cast plain concrete on the roofs with the engineer’s specified slopeand thickness of 7-5 cm. | M2 | 340 |  |  |
| A.6.2 | Supply materials and apply waterproofing for roof floors usingmodified bituminous coils polymer and reinforced with polyester 4 mm, which will be welded to the cold bitumen layer (**The sample must be approved by the engineer prior supplying and installing, additionally, the product must be Saudi Arabian manufactured**) | M2 | 326 |  |  |
| A.6.3 | Remove the old expansion joint and replace it withnew cork using moisture insulator **bitumen (fiber) board**. | M2 | 32 |  |  |
| **A.7** | **Smithy Works:** |  |  |  |  |
| A.7.1 | Supply materials, install, and fix a window grille made ofskewer iron size 1.5\*1.26 m, after applying a primer coat of (**zalqon**) and sanding iron. | No. | 13 |  |  |
|  |  |
| **B** |  |
| **B.1** | **Removal work:** |  |  |  |  |
| B.1.1 | Dismantle and remove the wooden door and hand it over to the engineer. | No. | 6 |  |  |
| B.1.2 | Demolish and remove buildings made of block walls in order to install a new door;the rate includes moving rubble off site. | M2 | 2 |  |  |
| **B.2** | **Paintings Works:** |  |  |  |  |
| B.2.1 | Supply materials and apply three layers of Sudanese Bombastic paint toroofs; the rate includes sanding. | M2 | 25 |  |  |
| B.2.2 | Supply materials and apply three layers of Sudanese Bomastic paint tothe walls’ internal faces, after applying a silk primer and sanding. | M2 | 55 |  |  |
| **B.3** | **Tile Works:** |  |  |  |  |
| B.3.1 | Supply materials, and install Egyptian imported ceramic (Cleopatra brand) for floors. | M2 | 25 |  |  |
| **B.4** | **Carpentry Works:** |  |  |  |  |
| B.4.1 | Supply materials, manufacture, install, and fix a complete (**Sabros**) door made of pine wood with a size of 0.8\*2m. This rate includes applying Sudanese oil painting, kolins, bolts, hinges, and so on. | No. | 6 |  |  |
| B.4.2 | Supply materials, manufacture, install, and fix a complete (**Sabros**) frame made of pine wood frames withskylight sizes of 0.50 \* 0.5 m. The rate includes applying Sudanese oil painting, kolins, bolts, hinges, and so on, as well as dismantling the old one. | No. | 5 |  |  |
| **B.5** | **Plumbing work:** |  |  |  |  |
| B.5.1 | Supply materials, install, and connect a 1/2"PPR pipe size. | M.L | 9 |  |  |
| B.5.2 | Supply materials, install and connect a valve and faucet 1/2"completed(German brand). | No. | 5 |  |  |
| B.5.3 | Supply materials, install and connect a 4” drainage PVC pipe. | M.L | 15 |  |  |
| B.5.4 | Supply materials, install and connect a complete modern toilet seat. | No. | 1 |  |  |
| B.5.5 | Supply materials, install and connect a complete hand wash basin. | No. | 1 |  |  |
| B.5.6 | Supply materials, install and connect a complete (beeba) and connect it with the 2” PPR pipe. | No. | 5 |  |  |
| B.5.7 | Supply, install, and connect a complete water tank (**Tiga brand)** with a capacity of 1000 liters;therate includes all the necessary connections. | No. | 1 |  |  |
| **Total** |  |
| **Total of The First Floor Rehabilitation** |  |
| **1.3** | **Electrical Works:** |
| A.1 | Supply and install a 200-Ampere flip switch (**Ultra brand).** | No. | 1 |  |  |
| A.2 | Supply and install a 200-Ampere safety switch (**Ultra brand)**. | No. | 1 |  |  |
| A.3 | Supply and install a 100-Ampere safety switch (**Ultra brand).** | No. | 2 |  |  |
| A.4 | Supply and install a 12-phases, 100 ampere electricity distribution panel.(**MEM brand**). | No. | 2 |  |  |
| A.5 | Supply and install 18,000 split air conditioner electric connection points using 4mm Saudi cable and a 45 Ampere switch (**Aryam brand**). | No. | 10 |  |  |
| A.6 | Supply and install an electric connection point for 18,000 window air conditionersunits using 4mm Saudi cable and a 45 Ampere switch (**Aryam brand**). | No. | 8 |  |  |
| A.7 | Supply and install a completeceiling fan (**Orient brand)**. | No. | 9 |  |  |
| A.8 | Dismantle, repair, and re-install ceiling fans. | No. | 21 |  |  |
| A.9 | Supply and install a complete 4 footlamp (**Philips brand)**. | No. | 40 |  |  |
| A.10 | Supply and install a complete 2 footlamp (**Philips brand)**. | No. | 10 |  |  |
| A.11 | Supply and install an economical ceiling lamp (1 candle, 20 watts). | No. | 36 |  |  |
| A.12 | Supply and install 25cm \* 25cm suction fans. | No. | 10 |  |  |
| A.13 | Supply and install sockets 10 Ampere.  | No. | 26 |  |  |
| A.14 | Inspect and repair all electrical connections beforeputting them in the trunks, asdirected by theengineer. | Lump Sum | 1 |  |  |
| A.15 | Excavate, construct, and install a 50 \* 50 cm manhole and stitch3 electrodes for grounding. | No. | 2 |  |  |
| **Total of TheElectrical Works** |  |
| **Total of Bill No.1 El-Shesh wards (Ground Floor + First Floor + Electrical Works)** |  |
| **Bill No.2 Nabri Toilets Complex** | **Description** | **Unit** | **Qty** | **Unit Price (USD)** | **Total Cost (USD)** |
| **2.1** | **Ground Floor** |
| **A.1** | **Removal work:** |  |  |  |  |
| A.1.1 | Demolish and remove toilets complex walls witha thickness of 60cm;this rate includes moving rubble off-site. | Lump Sum | 1 |  |  |
| **A.2** | **Excavation works:** |  |  |  |  |
| A.2.1 | Excavate Strip foundation, 40 cm width and 50cm depth. | M3 | 15 |  |  |
| A.2.2 | Excavate foundations with dimensions 1.9 \* 1.91.5m depth. | M3 | 49 |  |  |
| A.2.3 | Excavate foundations with dimensions 3.6 \* 3.6m1.5m depth. | M3 | 19 |  |  |
| **A.3** | **Plain concrete works:** |  |  |  |  |
| A.3.1 | Supply materials and cast plain concrete 6:3:1 for foundations, width 40cm10cm thickness. | M2 | 29 |  |  |
| A.3.2 | Supply materials and cast plain concrete 6:3:1 for floors thickness 10cm. | M2 | 58 |  |  |
| A.3.3 | Supply materials and cast plain concrete for foundations with dimensions 1.9 \* 1.9m and a thickness of 10cm. | M2 | 33 |  |  |
| A.3.4 | Supply materials and cast plain concrete for foundations with dimensions 3.6\*3.6 and a thickness of 10cm. | M2 | 13 |  |  |
| **A.4** | **Reinforced concrete works:** |  |  |  |  |
| A.4.1 | Supply materials and cast reinforced concrete 4:2:1 for foundations with dimensions 1.7\*1.7m with 50cm thickness and paint with liquid bitumen. | M3 | 13 |  |  |
| A.4.2 | Supply materials and cast reinforced concrete 4:2:1 for foundations with dimensions 3.4\*3.4m thickness 50cm, and paint with liquid bitumen. | M3 | 5.8 |  |  |
| A.4.3 | Supply materials and cast reinforced concrete 4:2:1 for grade beam with section 20\*40cm, and paint with two layers liquid bitumen. | M3 | 5.8 |  |  |
| A.4.4 | Supply materials and cast reinforced concrete 4:2:1 for short columns with a section of 20\*40cm, and paint with two layers of liquid bitumen. | M3 | 1.32 |  |  |
| A.4.5 | Supply materials and cast reinforced concrete 4:2:1 for 20\*40 cm long columns. | M3 | 4.3 |  |  |
| A.4.6 | Supply materials and cast reinforced concrete 4:2:1 for a 20\*20cm continuous beam section. | M3 | 2.6 |  |  |
| A.4.7 | Supply materials and cast reinforced concrete 4:2:1 for 20\*45cm beams section. | M3 | 6.5 |  |  |
| A.4.8 | Supply materials and cast reinforced concrete 4:2:1 for 15cm thick roofs. | M3 | 8.6 |  |  |
| **A.5** | **Backfilling works:** |  |  |  |  |
| A.5.1 | Supply materials and construct well-compacted backfill that is clean and free of impurities, inlayers with a maximum thickness of 15cm; the rate includes good compaction good watering. | M3 | 22 |  |  |
| **A.6** | **Building works:** |  |  |  |  |
| A.6.1 | Supply materials and construct buildings from 20cm thick blocks for foundations; the rate includes moisture insulating (Rubride material). | M2 | 30 |  |  |
| A.6.2 | Supply materials and construct buildings from 20 cm thick blocks for upper walls with aheight of 4.85m. | M2 | 350 |  |  |
| **A.7** | **Plastering works:** |  |  |  |  |
| A.7.1 | Supply materials and apply smooth plaster with a 5:1 mortar cement ratio for roofs. | M2 | 58 |  |  |
| A.7.2 | Supply materials and apply smooth plaster with a 5:1 mortar cement ratio for the walls’ internal faces. | M2 | 239 |  |  |
| A.7.3 | Supply materials and apply rough plaster with a 6:1 mortar cement ratio for the walls’ external faces. | M2 | 124 |  |  |
| **A.8** | **Tile Works:** |  |  |  |  |
| A.8.1 | Supply materials and install Egyptian ceramic tiles (**Cleopatra brand**) first class or equivalent for floors. | M2 | 58 |  |  |
| A.8.1 | Supply materials and install Egyptian ceramic tiles (**Cleopatra brand**) first class or equivalent for 2.2m high walls. | M2 | 198 |  |  |
| **A.9** | **Paintings Works:** |  |  |  |  |
| A.9.1 | Supply materials and apply three layers of Sudanese Bomastic paint to the roofs, after applying a silk primer. | M2 | 58 |  |  |
| A.9.2 | Supply materials and apply three layers of Sudanese Bomastic paint tothe walls’ internal faces, after applying a silk primer. | M2 | 239 |  |  |
| A.9.3 | Supply materials and apply spatter dash with a ratio of 4:2:1 (white cement + lime + sea sand) for the walls’ external faces. | M2 | 124 |  |  |
| **A.10** | **Plumbing work: Please note that all pipes are P.V.C Type.** |  |  |  |  |
| A.10.1 | Supply materials, install, and connect a 1/2"PPR pipe. | M.L | 35 |  |  |
| A.10.2 | Supply materials, install, and connect an Italian nickel faucet and German brand valve ½”. | No. | 7 |  |  |
| A.10.3 | Supply materials, install, and connect 4” PVC drainage pipe . The rate includes all the necessary fittings such aselbows and other connections, as well as excavation and backfilling. | M.L | 30 |  |  |
| A.10.4 | Supply materials, install, and connect 9m of PVC 4" ventilation pipe.. | No. | 6 |  |  |
| A.10.5 | Supply materials, install, and connect a complete Arabic seat, Indian brand;the rate includes all necessary connections. | No. | 5 |  |  |
| A.10.6 | Supply the materials, install, and connect the nickel and plastic luxurious shower rim; the rate includes all necessary connections and PPR pipes “1/2. | No. | 2 |  |  |
| A.10.7 | Supply materials, install, and connect completeground (**Beeba**);therate includes all 2” PPR pipe connections. | No. | 12 |  |  |
| A.10.8 | Supply materials and connect anIndian brand or equivalent hand wash basin, complete stand; therate includes all necessary connections, valve, filters, and everything else. The pipes must be Italian-made luxury nickel. | No. | 7 |  |  |
| A.10.9 | Supply, install, and connect an Italian-made water pump; the rate includes installing an iron protection cage and all necessary connections such asthe line of feed 3/4" PPR and main line 1" PPR, as well as all necessary plumbing connections. | No. | 1 |  |  |
| A.10.10 | Supply, install, and connect a complete shower 80\*8 cm in size made of fiber Saudi or Bahrain. | No. | 2 |  |  |
| A.10.11 | Supply materials and connect a steel wash basin for kitchen, eye, and a full suite with all necessary connections, faucet, and accessories. | No. | 1 |  |  |
| A.10.12 | Supply materials, excavate, and construct a complete Gully Trap from red brick size 30\*30 cm;the rate includes building, plastering, **flancoate**painting on the inside, and a cast iron cover. | No. | 5 |  |  |
| A.10.13 | Supply materials, excavate, and construct a complete manhole from red brick size 60\*60 cm; therate includes building, plastering, **flancoate** painting on the inside, and a cast iron cover. | No. | 10 |  |  |
| A.10.14 | Supply materials, excavate, and construct a complete Septic Tank from red brick wall 30cm with size 3.2\*2.0 cm; therate includes excavation, building, plastering, flancoatepainting on the inside and a cast iron cover. | No. | 1 |  |  |
| A.10.15 | Supply materials and construct a drainage well with an internal diameter of 2m and a submersible of 90cm. The buildings will be made ofred brick, with 15cm thick concrete cover slabs;the rate also includes providing a cover from cast iron size 50\*50cm as well as constructing reinforced concrete (**Khenzira**) with section 20\*40cm. | No. | 1 |  |  |
| **A.11** | **Carpentry works:** **Note:****The samples are subject to the Engineer’s approval prior to supplyand installation.** |  |  |  |  |
| A.11.1 | Supply materials, manufacture, and install a complete (**Sabros**) door made of pine wood size 0.8\*2m; the rate includes painting with Sudanese oil paint. | No. | 11 |  |  |
| A.11.2 | Supply materials, manufacture, install a complete 0.6\*1.20m wooden and glass skylight, ;the rate includes painting with Sudanese oil paint. | No. | 5 |  |  |
| A.11.3 | Supply materials, manufacture, install a complete 0.6\*0.6m wooden and glass skylight; this rate includes painting with Sudanese oil paint. | No. | 5 |  |  |
|  |  |
| **2.2** |  |
| **A.1** | **Reinforced concrete works:** |  |  |  |  |
| A.1.1 | Supply materials and cast reinforced concrete 1:2:4 for long columns, section 20\*40 cm. | M3 | 3.3 |  |  |
| A.1.2 | Supply materials and cast reinforced concrete 1:2:4 for continuous beam section 20\*20 cm. | M3 | 2.6 |  |  |
| A.1.3 | Supply materials and cast reinforced concrete 1:2:4 for beams, section 20\*45 cm. | M3 | 3.1 |  |  |
| **A.2** | **Building works:** |  |  |  |  |
| A.2.1 | Supply materials and construct buildings from 20cm thick blocks with a height of 3.7 m. | M2 | 266 |  |  |
| **A.3** | **Plastering works:** |  |  |  |  |
| A.3.1 | Supply materials and apply smooth plaster with a ratio of 4:1 for the walls’ internal faces, 1.5 m high. | M2 | 153 |  |  |
| A.3.2 | Supply materials and apply rough plaster with a ratio of 6:1 for the walls’ external faces. | M2 | 93 |  |  |
| **A.4** | **Tile Works:** |  |  |  |  |
| A.4.1 | Supply materials and Egyptian ceramic tiles (**Cleopatra brand**)first class or equivalent for floors. | M2 | 58 |  |  |
| A.4.2 | Supply materials and Egyptian ceramic tiles (**Cleopatra brand**)first class or equivalent for walls, 2.2 m high. | M2 | 224 |  |  |
| **A.5** | **Paintings Works:** |  |  |  |  |
| A.5.1 | Supply materials and apply three layers of Sudanese Bomastic paint for roofs, after applying a silk primer. | M2 | 153 |  |  |
| A.5.2 | Supply materials and apply spatter dash 4:2:1 (white cement + lime + sea sand) for the walls’ external faces. | M2 | 93 |  |  |
| **A.6** | **Plumbing work:** **Note:** **All Pipes are P.V.C Type.** |  |  |  |  |
| A.6.1 | Supply materials, install, and connect a 1/2" PPR pipe . | M.L | 35 |  |  |
| A.6.2 | Supply materials, install, and connect an Italian-made nickel faucet and a 1/2"valve(**German brand)**. | No. | 7 |  |  |
| A.6.3 | Supply materials, install, and connect 4”PVC drainage pipe. The rate includes all the necessary fittings such aselbowsand so on. | M.L | 30 |  |  |
| A.6.4 | Supply materials, install, and connect a complete Indian-made Arabic seat with all the necessary connections. | No. | 6 |  |  |
| A.6.5 | Supply materials, install, and connect complete ground (**Beeba**). The rate includes installing a 2” PPR pipe. | No. | 12 |  |  |
| A.6.6 | Supply materials and connect a complete stand hand wash basin Indian made or equivalent, including all necessary connections and a filter. The rate includes providing standpipe made of Italian luxury nickels, valves, and all necessary items. | No. | 12 |  |  |
| **A.7** | **Carpentry works:** **Note:****The samples are subjectto the Engineer’s approval prior supply and installation.** |  |  |  |  |
| A.7.1 | Supply materials, manufacture, and install a complete (**Sabros**) door made ofpine wood size 0.8\*2.2m; the rate includes painting with Sudanese oil paint. | No. | 9 |  |  |
| A.7.2 | Supply materials, manufacture, and install a0.6\*1.20m wood and glass skylight;the rate includes painting with Sudanese oil paint. | No. | 2 |  |  |
| A.7.3 | Supply materials, manufacture, and install a 0.6\*0.6m wood and glass skylight;therate includes painting with Sudanese oil paint. | No. | 8 |  |  |
| **A.8** | **Ceiling works:** |  |  |  |  |
| A.8.1 | Supply and install ceilingpanels made of fromcement and fiber or glazed tiles. The rate includes providing a technical catalog with a tender brochure for the product indicating the country of origin and technical specifications. | M2 | 52 |  |  |
| A.8.2 | Supply and install the **Barneeta** for the ceiling made of cement and fiber or glazed tiles. The rate includes providing a technical catalog with tender brochure for the product indicating the country of origin and technical specifications. | M.L | 16 |  |  |
| A.8.3 | Supply and install the (**Sikeenah**) size 2" \* 6” made of pine wood for the ceiling. The rate includes providing a technical catalog with a tender brochure for the product indicating the country of origin and technical specifications as well as applying oil for wood. | M.L | 42 |  |  |
| A.8.4 | Supply and install 2" \* 4" purlins made out of pine wood. The rate includes applying the required paint. | M.L | 106 |  |  |
| A.8.5 | Supply and install (**Shurfa**) size 1" \* 9” made of pine wood. The rate includes applying the required paint. | M.L | 34 |  |  |
| A.8.6 | Supply and install false ceiling (**Armstrong brand**). The rate includes all required fitting. | M2 | 58 |  |  |
| **A.9** | **Isolation works:** |  |  |  |  |
| A.9.1 | Supply materials and first thoroughly dry the toilets floors with a flame prior to applying insulation. Then install a Saudi-made membrane with a thickness of 4 mm on a layer of primer, with an overlap of 10 cm between the coils and a proper fixing with the flame (first floor), as well as constructing 20 cm skirting on the walls. | M2 | 50 |  |  |
|  |  |
| **2.3** |  |
| A.1 | Supply materials, connect, and install asuction fan size 25\* 25cm **TMT brand**. | No. | 6 |  |  |
| A.2 | Supply materials, connect, and install a complete 2 footlamp (**Fluorescent brand**). | No. | 6 |  |  |
| A.3 | Supply materials, connect, and install a complete first class an economical lamp with a Chinese key (**Aryam brand**). | No. | 6 |  |  |
| **Total of The Electrical Works** |  |
| **Total of Bill No.2 Nabri Toilets Complex (Ground Floor + First Floor + Electrical Work)** |  |
| **Bill No. 3 The Grand Total** | **Description** | **Total Cost**  |
| **1** | **El-Sheish wards (Ground Floor + First Floor + Electrical Work)** |  |
| **2** | **Nabri Toilets Complex (Ground Floor + First Floor + Electrical Work)** |  |
| **Total of El-Shesh wards + Bathroom Complex** |  |
| **Total of Bill No.3 The Grand Total of Rehabilitation of Port Sudan Hospital - Elsheish wards and Nabri Toilets Complex(USD)** |  |
|  |  |

**SUB-ATTACHMENT H: Certification on BOQ**

**CERTIFICATE FOR BOQ QUANTITIES**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Title:

Contractor’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contractor’s Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contractors Telephone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contractor’s E-mail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BOQ Amount: USD\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. THE UNDERSIGNED CONTRACTOR HEREBY CERTIFIES THAT: Bidders are responsible for checking the accuracy of the BOQ. If significant deficiencies are identified, the bidder should reflect those discrepancies in the BOQ as a separate line item and should bring the discrepancies to the attention to the evaluation committee with a footnote. The Contract shall be for the whole Works computed based on the unit rates and prices in the Bill of Quantities submitted by the bidder. The bidder shall fill in prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the bidder will not be paid for when executed and shall be deemed covered by the rates for other items and prices in the Bill of quantities.
2. If awarded a contract, the contractor will not make any claims or make any variation due to any discrepancies noted in the quantities between the drawings and the BOQ during the execution of the work.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Contractor* |  |  |  |  |  |  |
|  |  | *Print Name* |  | *Signature* |  | *Date* |

**SUB-ATTACHMENT I: ANNEXES**

**The following annexes are incorporated as reference as they will apply to the contract award.**

**Annex 1-** Scope of Work

**Annex 2-** Technical Specifications

**Annex 3-** Quality Assurance Plan

**Annex 4-** Environmental Mitigation Requirements

**Annex 5-** Mandatory FAR Clauses

**Scope of Work**

**Annex 1**

Sample table of scope of work, the contractor can use it, and just adjust it to match work plan**.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description of Goods/Services**  | **Estimated Delivery**  | **Percentage %** | **Deliverables Certification** |
| % of the contract value to Vendor/Subcontractor after purchase and transportation of materials to the site and beginning of site work. | Days after Notice to Proceed (NTP) | % | Site Delivery Report |
| % of the contract value upon reaching % completion, as certified by the Site Engineer | Days after NTP | % | Contractor Progress Report |
| % of the contract value as payment to Vendor/Subcontractor upon completion of Work. | Days after NTP | % | Hand Over Report |
| 10% of the contract value made against Guarantee Letter for 6 months retention. |  Days after NTP | 10% | Bank guarantee 10% of the contract. |
| **Fixed Price:** |  | 100% |  |

**Technical Specifications**

**Annex 2**

**Background:**

Rehabilitation of 3 wards / Red Sea Hospital (Al-Shaish for Women, Men and Nabry surgery Wards) - T RSS012. The Proposed project is a rehabilitation of Red Sea Hospital.

It includes the Rehabilitation of the Alshaish Women wards (Ground and first floor), Rehabilitation of men Wards (Ground, first and second floors), Rehabilitation of Nabiry wards and the provision of medical equipment including but not limited to medical beds, mattress, and pillows to improve the efficiency and the quality of the primary and secondary health care for communities of Red Sea State especially from rural areas.

Rehabilitation of Red Sea Hospital will be implemented in coordination with Red Sea Ministry of Health.

**The project activities include**:

 1) Rehabilitation of Alshaish Women wards (Ground and first floor).

2) Rehabilitation of men Wards (Ground, first and second floors).

3) Rehabilitation of Nabiry wards.

**Geo – Coordinates for the project site:**

**Lat: 19.6103747**

**Long: 37.132241**

**Annex 3- Quality Assurance Plan**

**Attached in PDF**

(To be provided by the bidders)

**Annex 4-Environmental Mitigation Requirements**

**EnvironmentalMitigationandMonitoringPlan**

TheEnvironmental Mitigation and Monitoring Plan (EMMP) tablebelowaddressespotentialenvironmentalimpactsnoted intheESIA.Mitigationmeasuresareidentified for the following phases: Planning and Design (P&D); Construction (C), The EMMP will enable theactivityto:

1. Adhere to local laws and regulations, obtaining and tracking all required permits and adherence to designstandards. In case of conflict between host country and USAID regulations, the more stringent regulationshallgovern.
2. Adheretoenvironmentallysounddesignand managementprinciples,usingUSAIDEnvironmentalGuidelinesfor SmallScaleActivitiesinAfrica.

During planning and design phases of construction activities, the TEPS engineer, and/or construction sub-contractormay work with USAID on construction/reconstruction designs and preparation of tender documents.Constructionwillbebidcompetitively.Tenderdocumentswillincludethenecessaryenvironmentalcompliancerequirementsandinstructthe contractor to implementmitigationto complywiththeEMMP.

The construction contractor will complete environmental monitoring checklists to document environmentalcomplianceandwillsubmitthemtoTEPSProjectOfficers(POs)and/orEngineers who willreviewandprovide oversightand monitoringwhereappropriate.The TEPSprojectofficerswillreviewenvironmentaldocumentationwith the DT Global Home Office Environmental Compliance Advisor on a regular basis as an added measure ofqualitycontrol.

DT-Global,communityleaders,localgovernment,andwillensurethatalltherehabilitationactivitiesareconductedinamanner consistentwithenvironmental determinationsandstandardsdescribedabove.

**Table 1.EMMPTable**

SeeAnnex foralistofAcronyms.

|  |
| --- |
| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| **PlanningandEngineeringDesign** |  |
| Compliance with USAIDEnvironmentalRegulation 22CFR216.2(d)(ii),whichtriggersaPositive EnvironmentalDetermination for theRehabilitationofRedSeaHospital | Objective:EnablecompliancewithUSAIDenvironmentalregulations* Conduct a rapid Environmental and Social ImpactAssessment (ESIA) to assess the potential fornegative environmental and social impacts, and todesign appropriatemitigation measures.
* Incorporate recommendations into EMMP andsubmittoUSAID for approval.
 | * Confirm that rapid ESIA is conducted andused to develop the EMMP (Prior toconstruction)(P&D).
* ObtainUSAIDapprovalofEMMP(Priortoconstruction)(P&D).
 | * TEPS ESIA contractor – conductESIA.
* TEPS–supervision.
* TEPS Environmental Specialist –QualityAssurancereviewofESIA.
 |
| Designs must corporate theconsideration of eco-buildingreusescenarios | Objective:reducetheimpactsofclimatechange* Life Cycle Impact Assessment ofmanufacturingthebuildingmaterials(Slabs,floorsandexteriorandinteriorwalls).
* Assessmentofmaterialsin termsoftheirphysicalproperties;area,volumeandweight.
 | * Document that eco-building reusescenariosare incorporated into engineering designs,(During engineering design and prior toconstruction)(P&D).
 | * TEPS ESIA contractor – conductESIA.
* TEPS–supervision.
* TEPS Environmental Specialist –QualityAssurancereviewofESIA.
 |
| Designs must incorporate theconsiderationeco-constructionand design waste managementplanC&D-WMP | Objective:reducetheimpactsofclimatechangeAssessmentofenergyconsumption* InConstructionactivities
* Materialreuseactivities
* Materialrecycleactivities
* Demolitionactivities
 | * Document that eco-construction and designwastemanagementplanC&D-WMPareincorporated into engineering designs, (Duringengineering design and prior toconstruction)(P&D)
 | * TEPSESIAcontractor–conductESIA
* TEPS– supervision
* TEPS Environmental Specialist –QualityAssurancereviewofESIA
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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Designs must incorporate theconsiderationofclimatechangeimpacts | Objective:MinimizeCO2emission* UselowCarbonebuildingmaterial
* Recyclethewaste
* Selectionofmaterials closetoconstructionsite(P&D)
* Planttrees
 | * Document that climate risk managementmeasures are incorporated into engineeringdesigns,followingappropriatestudyofclimaterisk assessment (During engineering designand priortoconstruction)(P&D)
 | * TEPSStaffandDesignContractor
 |
| Reduction in water availabilitythrough overuse, leading toconflictbetween end users | Objective:minimizewateroveruse* Estimated waterdemandforthevariousactivitieson site m3|month(P&D,C)
 | * Documentthat water quantity required duringconstruction are incorporate in to engineeringdesign(P&D,C)
 | * TEPSStaffandDesignContractor
 |
| Constructionteam. | * Plantoprovidesitefacilitiesforconstructionteam. .(P&D,C)
 | * Document that site facilities are incorporate inengineeringdesign.(P&D,C)
 | * Consultant and constructionsupervisionteam.
 |
| Energyimpact | Objective:minimizeEnergyimpact* Usageof building materials that reduce theemission oh hightemperature(D&P,C)
* ReducethePower(electricity)Consumption
* ReduceEnergyconsumption (Fuel)
 | * Documentthatenvironmentalprofileofbuilding materials are incorporated inengineeringdesign(D&P,C)
 | * TEPSStaffandDesignContractor
 |
| Risk from working withcontaminated land and causingland contamination | Objective:minimizelandcontamination* Properstorageofdieselfuel
* Properhandlingandstorageofchemical materialcontainleadandpolyethylene
 | * Document that fuel and chemical materialshandling and storage plans are incorporatedin engineeringdesign(D&P,C,O)
 | * TEPSStaffandDesignContractor
 |
| **DevelopmentandExecutionof ConstructionContractforRedSeaHospital** |  |

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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| ContractormaynotbeawareofUSAID environmentalrequirements | Objective:EnsurethatcontractorunderstandUSAIDenvironmental requirements and has the necessarycapacitytoimplement theEMMP* Incorporate EMMP requirements into tenderdocumentsand sub-contract orcontract
* Consider including scoring criteria forenvironmental measures proposed by tenderers inselection ofcontract award
* ReviewtheEMMP andenvironmentalmonitoringand requirements with the contractor at the Kick-offMeeting
 | * Verify that EMMP requirements are includedin tender documents and contracts (prior tocontract award)(P&D)
* Documentconsiderationofenvironmentalcompliance in scoring criteria (Prior tocontractaward)(P&D)
* Meeting held with Contractor to reviewEMMPand monitoringand reportingrequirements prior to the start ofreconstruction(priortoconstruction)(P&D)
 | * TEPSStaff
 |
| **SiteSuitability** |  |
| Dwellings, schools and / orbusinesseslocatednearbymaybeexposed to disturbance, noise anddust | Objective:Minimizedisturbance,noiseanddusttonearbydwellings,schools and /orbusinesses* Concentrate noisiest types of work into as short aperiodaspossible,duringleastdisruptivetimesoftheday(C)
* Take measurestokeepdusttoaminimum(C)
 | * Documentdisturbancecontrolmeasures(C)
 | * Contractor– weeklymonitoringlog
* Infrastructure– during constructionsupervision
 |
| **QualityofLife,StandardofLivingandEmployment** |  |
| Increase in traffic from transportof construction materials to theproject site may createdisturbance to the localpopulation and alter local trafficpatternsintheproject area (C)Riskofaccidentsandinjuryfromtraffic ofheavymachinery(C) | Objective:Avoid orminimizedisturbance* Setlimitsfortimeofconstructionoperationstooccureachday(C)
* Install signage to alert communities to thetransportofheavyequipment andmachinery(C)
* Informcommunitiesoftheanticipated changesintraffic patterns due to the construction activity(P&D)(C)
* Applywaterwhenappropriatetominimizedust(C)
 | * Documenttimeandscheduleofconstructionactivity(daily) (C)
* Document proper application of water tominimizedustandmeasurestomanagetrafficatconstructionsite (daily) (C)
* Document traffic or injury incidents (as/if theyoccur) (C)
 | * Tendering(includerequirementsinbiddocuments)
* Implementingandmonitoringmeasures()- Contractor
	+ Oversight-TEPS Staffand USAID
 |

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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Inequitable access to jobopportunities and incomegenerating capacity associatedwith construction and installationoffacilities(C) | Objective:Maximizeequityin accesstojobsandincomegeneratingcapacity* Maximize employment oflocal people with thenecessaryskillsfortheprojectworks(P&D)(C)
* Before the construction phase, inform thepopulation of the employment and businessopportunities(P&D)(C)
* Promotethepurchaseoflocalgoodsandserviceswhereapplicable (P&D)(C)
 | * Document employment and payroll activity(weeklylogofnumber ofjobs filledbylocalpeople) (C)
 | * Implementing measures andmonitoring (including Section 2.8above)- Contractor
* Oversight-TEPS Staffand USAID
 |
| **SocialOrganizationandPotentialforCommunityConflict** |  |
| A lack of communication andinformation of construction worksand related activities may causesocialtensionbetween thestakeholders, particularly betweenthe local authorities andconstruction firm(P&D)(C) | Objective*:*Maintainpositiverelationshipandcooperation withlocalpopulation* Planaprocesstoaddresscomplaintsfromstakeholders(P&D)
* Assist client to inform local authorities about thenature and the scheduling of the constructionactivities (included as part of the projectcommunicationsplan)(P&D)(C)
 | * Track issues and complaints (Monthly log ofnumber of complaints registered, includingactionstakentoaddresstheissues)(C)
* Conduct and document meetings with localrepresentatives, documenting issues raised(monthlylog,includingthetargetofatleastonemeetingat onsetofproject) (C)
* Designate a contact person to managecommunicationwithcommunity(P&D)(C)
 | * Implementing and monitoring(including Section 2.7 above) -Contractor
* Oversight-TEPS Staffand USAID
 |
| **HealthandSafety** |  |

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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Injuryor lossoflifeduetounsafeconstructionpractices | Objective*:*Keepworkersandcommunitymemberssafefrominjuryorlossoflife* Prepareand implementaHealthandSafetyPlan(HSP)for construction
* Designateandindividualtomonitorandreportonimplementation of the HSP on a daily basis andensuretheyareproperlytrained
* Provide appropriate Personal ProtectiveEquipment (PPE) to all workers, including harhats,glovesandclose-toeshoesataminimum
* Train and monitor workers in the safe andappropriateuseofPPEandothersafeconstructionpracticesoutlinedintheHSP
 | * DocumentthattheHSPhasbeenprepared andreviewed byTEPS
* Document the designated individual tomonitorandreporton implementationoftheHSP intheConstructionMonitoringLog
* Providefrequentchecksondocumentationaswellas provisionanduseofPPE
* Document that training has been provided toallworkersinConstructionMonitoringLog
 | * PreparationofHSP–Contractor
* HSP monitoring and documentation –Designated ContractorIndividual
* ReviewofHSP– TEPSStaff
* Oversight– TEPSStaff
* ProvidePPEandtraining–Contractor
 |
| Risk of injury to workers fromimproper handling or storage ofadhesives, cleaners, solvents, andchemicals(C) | Objective*:*Minimizeriskofinjuryfromchemicalsandsolvents* Applyandstoreadhesives,cleaners,solvents,andchemicalsinaventilated area(C)
* Providetrainingto workersinproperhandling,

useand storage(C) | * Document training provided (Start-updocumentationoftraining) (C)
 | * Monitoring-Contractor
* Oversight-TEPS Staffand USAID
 |
| Construction works and relatedactivities cause potentialaccidents to local population dueto unauthorized use of the projectarea(C) | Objective*:*Minimize risk of accidents to localresidents* Develop,communicateandimplementaccidentpreventive and safety measures in the HSP(P&D)(C)
* Controlaccesstoconstructionareas(C)
* Develop a communications plan and communicateconstruction plans and activity to communityleaders to keep the community informed of safetyissues and/or sites to avoid during construction(Priortoconstruction)(P&D)(C)
 | * Document training provided (Start-updocumentationoftraining) (C)
* Conductsitesecurityinspections(Weeklylogofsecuritychecks) (C)
* Conduct and document meetings with localrepresentatives, documenting issues raised(monthlylog,includingthetargetofatleastonemeetingat onset ofproject) (C)
 | * Monitoring-Contractor
* Oversight-TEPS Staffand USAID
 |

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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Riskofsexuallytransmittedandother communicable disease tolocal populations from an influxin outsideworkers | Objective*:*Minimize risk of sexually transmitted andother communicable disease to local populations froman influxinoutsideworkers* Discuss with contractors and community leadersculturallyappropriatewaysto raiseawarenessontherisks associatedwith disease
* Using culturally appropriate means, raiseawareness among workers and communitymemberson theimportanceofappropriatediseaseprevention measures
 | * Discussions and awareness raisingdocumented(Priortoconstruction)(P&D/C)
 | * TEPSStaffand Contractor
 |
| **Constructionactivities*****Note:Measuresapplytotheprojectphasespecified:(P&D)Planning andDesign;(C)Construction;*** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **MonitoringMethodologyandIndicators** | **ResponsibleAuthority&Timing** |
| **Soil,Erosion,andVegetation** |  |
| Improper storage and/or disposalof materials and fuels causes soilcontamination duringconstruction works site(C) | Objective*:*Reducesoilcontaminationbypreventingspills* Install drip pans at petroleum products dispensingpoints (C)
* Storepotentialpollutantssuchasfuel,oilandchemicals on sealed surfaces to prevent soilcontamination (C)
* Collectandrecycleusedoiland lubricants(C)
 | * Document the storage location, disposal, andrecycling of all hazardous chemicals (Weeklylogofchemicals and quantityinvolved)(C)
* Document the installation and use of drip pansand sealed surfaces (Weeklylog)(C)
 | * Developingandimplementingmeasures- Contractor
* Monitoring-Contractor
* Oversight-TEPS Staffand USAID
 |

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| --- |
| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Exposed soil from constructionactivity, excavation, orstockpiling causes erosion andassociatedsoil loss anddegradation (C) | Objective*:*Minimizesoilerosion* Identify areas sensitive to erosion, plan efforts tominimize machinery in these areas, and implementerosion control measuresaccordingly
* Revegetate areas that are disturbed duringconstructiontopreventorminimizeerosion fromdenuded areas
* Coverandprotectsusceptiblesoilsurfaces(C)
 | * Survey and document exposed soils andformationofgullies,aswellasmeasurestakento address problems (Weekly log documentinginspections)(C)
* Revisittreatedareasto verifyimprovement(Weeklylogdocumentinginspections)(C)
 | * Developing and implementingmitigationmeasures-Contractor
* Monitoring-Contractor
* Oversight-TEPS Staffand USAID
 |
| Steeplysloped sitesmaypromoteerosion and damage duringconstruction | Objective*:*Minimizeerosion* Find alternative location (P&D). If that is notpossible:
* Designfacilityandapplyconstructionpracticesthat minimize risk (i.e., use erosion controlbarriersduringconstruction)(P&D)(C)
* Revegetate as soon as possible after construction(C)
 | * Documentdrainagecontrolmeasuresduringdesign (P&D)
* Documenterosioncontrolandrevegetationmeasures(P&D)(C)
 | * Contractor– weeklymonitoringlog
 |
| Vegetationcoverremoval | Objective:PreserveVegetationcover* Quantitative and qualitative inspection ofvegetationcoverbeforeworkslaunch
* Control during working hours; unplannedcontrolInspection and reinstatement of vegetationcoveraftercompletionofworks
 | * Visualcontrol
 | * TEPSStaffandDesignContractor
 |
| **WasteDisposal** |

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| **Rehabilitationof3wards/RedSeaHospital(Al-Shaishfor Women,MenandNabrysurgery Wards)-T-RSS012****Note:Measuresapplytotheproject phasespecified:(P&D)Planning andDesign;(C)Construction;Operations(O).** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **Monitoring Methodology, Indicators, andTiming** | **ResponsibleAuthority** |
| Improperwastedisposal | Objective:* Dispose of construction waste in appropriatelocationsdesignated bylocalauthoritiesandinaccordancewithlocalrequirements
* Dispose of excavated fill material in appropriatelocations designated by local authorities and inaccordancewithlocalrequirements
* Dispose of cleared vegetation from area to beinundated by the reservoir in appropriate locationsdesignate by local authorities and in accordancewith local requirements
 | * Documentation of waste disposed inappropriatelocationsinMonitoringLogorwith photos (Weekly)(C)
* Documentation of excavated fill disposedsafely and in appropriate locations inMonitoringLogorwithphotos(Weekly)(C)
* Documentationofclearedvegetationdisposedin appropriate locations in Monitoring Log orwith photos (Weekly)(C)
 | * Monitoring-Contractor
* Oversight-TEPS Staffand USAID
 |

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| ***Note:Measuresapplytotheprojectphasespecified:(P&D)Planning and Design;(C)Construction,*** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **MonitoringMethodologyandIndicators** | **ResponsibleAuthority&Timing** |
| **AirQuality** |  |
| Airpollutionfromdieselfumesand dust from constructionvehicles may adversely affecthuman health(C) | Objective*:*Minimizeharmfulemissionsanddustfromconstruction vehicles* Controldustbyapplication ofwater (C)
* Limitspeed ofhaulingtrucks(C)
* Provideregularmaintenanceofconstruction vehicles(C)
 | * Document proper application ofwater to minimize dust andmeasures to manage traffic atconstruction site(daily)(C)
* Inspect vehicles weekly andmaintainasnecessary(weeklylog of number of vehicles andequipmentmaintained)(C)
 | * Monitoring (seeSection2.9above)

-Contractor* Oversight - TEPSStaffand USAID
 |
| **Noise** |  |
| Excessive noise fromconstruction machinery andvehicles creates disturbance tolocal residents and workersduringconstruction(C) | Objective*:*Minimizenoise* Limitworkingperiodtodaylighthoursonly(C)
* Provideprotectivegearforworkers(C)
 | * Document time and schedule ofconstructionactivity(daily)(C)
* Inspect vehicles weekly andmaintainasnecessary(weeklylog of number of vehicles andequipmentmaintained)(C)
 | * Monitoring -Contractor
* Oversight - TEPSStaffand USAID
 |
| **LandscapeandAesthetics** |  |
| Construction works and disposalof waste and material fromconstruction and installation offacility degrades quality oflandscape(C) | Objective*:*Minimizedegradationoflandscape* Providepropercleanup andcontrolofconstructionsite(C)
* Provideproperdisposalofwaste fromconstructionand unusedequipment(C)
 | * Documentcleanup,control,anddisposal(Weeklylog)(C)
 | * Monitoring-Contractor
* Oversight - TEPSStaffand USAID
 |
| **OperationPhase** |  |

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| ***Note:Measuresapplytotheprojectphasespecified:(P&D)Planning and Design;(C)Construction,*** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **MonitoringMethodologyandIndicators** | **ResponsibleAuthority&Timing** |
| Wastewatergeneration | Objective:Toimprovewastewatergeneration* Processwastewatermustbetreatedwithchemicaldisinfectants,neutralizedandthen flushedintothesewagesystem.
* Chemical waste should first be neutralized with appropriate reagents and thenflushed intothesewer system.
* The treated effluent being discharged to the sewer line should conform to thelimits as provided for under Environmental Management Co-ordination (WaterQuality)Regulations,withStandardsforeffluentdischargeintopublicsewers.
* Sewage from health care facilities should never be used for agricultural, aqua-cultural,drinkingwater, or recreationalpurposes.
* Minimize entry of solid waste into the waste water stream by collectingseparatelyurine, faces,blood,andvomitfrompatientstreatedwithgenotoxicdrugstoavoidtheir entryintothewastewater stream.
* Ensurethatseweragedischargepipesarenotblockedordamaged.
 | * Efficientwastewatermanagement Quarterly effluenttest results-Waste segregationinitiatives.
 | * Red SeaHospital
* Oversight - TEPSStaffand USAID
 |

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| ***Note:Measuresapplytotheprojectphasespecified:(P&D)Planning and Design;(C)Construction,*** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **MonitoringMethodologyandIndicators** | **ResponsibleAuthority&Timing** |
| SolidWasteGeneration | Objective:Toimprovesolidwastegeneration* Considerwasteminimizationpractices.
* Segregate wasteatthepointofgeneration.
* All wastetobehandledandmanagedinaccordancewiththeenvironmentalconservation law.
* All wastecontainerstobelabelled/color-codeddependingonwaste category.
* Waste storage areas to have the following design consideration: Hard,impermeable floor with drainage, and designed for cleaning / disinfection withavailable water supply, secured by locks with restricted access, designed foraccess and regular cleaning by authorized cleaning staff and vehicle, protectedfrom sun, and inaccessible to animals /rodents, equipped with appropriatelighting and ventilation, segregated from food supplies and preparation areas,equipped with supplies of protective clothing, and spare bags / containers.Appoint a waste handler who is licensed and permitted by the local governmenttohandle,transportand treatbiomedicalwastesatapproved treatmentsitesusingrecommended treatment procedures laid down by the legal framework andrespectivegovernment agencies;
* Waste destined for off-site treatment facilities should be transported according totheguidelines for transportofhazardous wastes/biomedical.
* Packageforinfectiouswasteshouldincludeaninner,watertightlayerofmetalorplastic with a leak-proof seal. Outer packaging should be of adequate strengthand capacityfor thespecific typeand volumeof waste.
* Packagingcontainersforsharpsshouldbepuncture-proof.
* Waste should be labeled appropriately, noting the substance class, packagingsymbol(e.g.infectiouswaste, radioactivewaste), wastecategory, mass/volume,placeoforiginwithin hospital,andfinal destination.
* Transportvehiclesshouldbededicatedtowasteandthevehiclecompartmentscarrying wastesealed.
 | * Efficientsolidwastemanagement Contractualdocuments with waste handlerLogs of solid waste quantitiesWastemanagementtrainingprograms.
 | * Contractor–MinistryofHealth
 |

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| ***Note:Measuresapplytotheprojectphasespecified:(P&D)Planning and Design;(C)Construction,*** |
| **IssueorAspectofActivityandImpact** | **MitigationMeasures** | **MonitoringMethodologyandIndicators** | **ResponsibleAuthority&Timing** |
| IncreasedWaterdemand | Objective:Improvingincreased waterdemand* Water abstractions should be as per the Water Resources Management Authority(WRMA)permit.
* Conductan EIAfortheproposedboreholeand acquireaWRMApermittoabstract water.
* Conductahydrogeologicalsurveyfortheproposedborehole.
* Monitorwateruse.
* Implementwatersavingdevicesfordomestic water uses.
* Portable water should not be used for irrigation purposes and landscapes must bedesigned to absorb rainwater run-off rather than having to carry it off-site instormwater drains.
* Indigenous vegetation to be used for landscaping to minimize wateringrequirements.
* Cleaningmethodsutilizedforthecleaningofvehicles,floors,containers,yardsetc.must aimtominimizewater use.
* Maintenanceofproperpressurewithinfirewatersystemsto limitwateruse.
* Practicerainwaterharvesting.
* Conducting of regular audits of water systems to identify and rectify anypossiblewater leakages.
* Implementingasystemforthepropermeteringand measurementofwaterusetoenableproperperformancereviewandmanagement.
 | * Borehole EIA license WatermeterreadingsPracticeofwatersavingtechniques.
 | * MinistryofhealthRed Sea State
 |
| IncreasedSurface/StormRunoffGeneration | * Ensurethatnosurfacewastewaterisdirectedintothesewersystemtoavoidoverloadingtheseweragesystem.
* Monitoreffluentqualityregularlyto ensurethatthestipulateddischargerulesand standards arenot violated.
 | * Efficient storm watermanagement UnobstructeddrainageIncidencesofflooding
 | * MinistryofHealth

Red Sea State |

**AnnexC:listofacronyms**

C Constructionphase

CO ContractingOfficer

C&D-WMP Construction and design waste management planEA Environmental Assessment

EMMP EnvironmentalMitigationandMonitoringPlan

ERF EnvironmentalReviewForm

ERR EnvironmentalReviewReport

FAR FederalAcquisitionRegulation

HSP Healthand SafetyPlan

IEE InitialEnvironmentalExamination

LTTA Long-termtechnicalassistance

LCA LiveCycleassessment

PDO ProjectDevelopmentOfficer

P&D Planningand Design phase

PPE PersonalProtectiveEquipment

QMS QualityManagement System

TEPS SudanTransitionandConflictMitigationProgram

STTA Short-termtechnicalAssistance

USAID United States Agency for International Development

FAR CLAUSES TO BE INCORPORATED INTO SUBCONTRACT

Annex 6

USAID CLIENT PROVISIONS

**SPECIAL PROVISIONS AND CLAUSES INCORPORATED BY REFERENCE**

**PRIME CONTRACT CLAUSES APPLICABLE TO SUBCONTRACTS**

This Agreement incorporates clauses included by DT GLOBAL’s Client Agency for “flow-down” application to Subcontractor. The following Federal Acquisition Regulation (FAR) (48 CFR Chapter 1) and the U.S. Agency for International Development Acquisition Regulations (AIDAR) (48 CFR, Chapter 7) as a mandatory reference to the Automated Directives System (ADS), are either given in full text or by reference. Those clauses incorporated by reference shall have the same force and effect as if they were given in full text. Upon request, DT GLOBAL will make their full text available. Whenever necessary to make the context of the FAR and ADS (AIDAR) clauses applicable in this Agreement, the term “Contractor” shall mean “Subcontractor”, the term “Contract” shall mean this Agreement, the “Subcontract”, and the terms “Government”, “Contracting Office” and equivalent phrases shall mean DT GLOBAL except that the term “Government” and “Contracting Office” do not change: (1) in the phrases “Government Property”, “Government Furnished Property”, and “Government‑Owned Property”; (2) in any patent clauses incorporated herein: (3) when a right, act, authorization or obligation can be granted or performed only by the Government’s duly authorized representative: (4) when title to property is to be transferred directly to the Government: (5) when access to proprietary financial information or other data is required except for authorized audit firms; and (6) where specifically modified herein. In addition, such other inherent or statutory obligations of Prime Contractor in a contract with an agency of the United States Government shall apply to Consultant as obligations to DT GLOBAL or the Government as applicable. The most recent version of these clauses can be found on Internet at <http://www.arnet.gov/far/>.

**INCORPORATION OF FAR AND AIDAR CLAUSES ON TEPS**

This Contract will be funded by the U.S. Agency for International Development (USAID) with DT Global implementing this USAID project. Applicable clauses incorporated herein by reference shall have the same force and effect as if they were incorporated in full text. A copy of the full text of each clause may be obtained fromhttp://www.acquisition.gov/far, http://www.usaid.gov/policy/ads/300/aidar.pdf, or from DT Global ’s procurementofficial. The term "FAR" means Federal Acquisition Regulation. The terms, "Contractor," "Government" and "Contracting Officer" as used in these clauses shall refer to Vendor, DT Global, and DT Global Contract Administrator respectively. In no event shall any provision of this contract or Orders issued against it be construed as allowing the Vendor to appeal directly to or otherwise communicate directly with (USAID) without written consent of DT Global.

NUMBER TITLE DATE

52.202-1 DEFINITIONS NOV 2013

52.203-3 GRATUITIES APR 1984

52.203-5 COVENANT AGAINST CONTINGENT FEES MAY 2014

52.203-7 ANTI-KICKBACK PROCEDURES MAY 2014

52.203-8 CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR
ILLEGAL OR IMPROPER ACTIVITY MAY 2014

52.203-10 PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY MAY 2014

52.203-12 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS OCT 2010

52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS OCT 2015

 AND CONDUCT

52.203-17 CONTRACTOR EMPLOYEE WHISTLEBLOWER RIGHTS AND
REQUIREMENT TO INFORM EMPLOYEES OF WHISTELBLOWER RIGHTS APR 2014

52.204-2 SECURITY REQUIREMENTS AUG 1996

52.204-4 PRINTED OR COPIED DOUBLE SIDED ON RECYCLED PAPER MAY 2011

52.204-9 PERSONAL IDENTITY VERIFICATION OFPERSONNEL JAN 2011

52.204-10 REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER
SUBCONTRACT AWARDS OCT 2018

52.204-12 UNIQUE ENTITY IDENTIFIER MAINTENANCE OCT 2016

52.204-13 SYSTEM FOR AWARD MANAGEMENT OCT 2018

52.204-14 SERVICE CONTRACT REPORTING REQUIREMENTS OCT 2016

52.209-6 PROTECTING THE GOVERNMENT’S INTEREST WHEN SUBCONTRACTING
WITH CONTRACTORS DEBARRED, SUSPENDED, OR
PROPOSED FOR DEBARMENT OCT 2015

52.209-9 UPDATES OF PUBLICLY AVAILABLE INFORMATION
REGARDING RESPONSIBILITY MATTERS OCT 2018

52.215-2 AUDIT AND RECORDS—NEGOTIATION OCT 2010

52.215-8 ORDER OF PRECEDENCE—UNIFROM CONTRACT FORMAT OCT 1997

52.215-14 INTEGRITY OF UNIT PRICES OCT 2010

52.215-15 PENSION ADJUSTMENTS AND ASSET REVERSIONS OCT 2010

52.215-18 REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT

 BENEFITS (PRB) OTHER THAN PENSIONS JUL 2005

52.215-19 NOTIFICATION OF OWNERSHIP CHARGES OCT 1997

52.215-23 LIMITATIONS ON PASS-THROUGH CHARGES OCT 2009

52.216-7 ALLOWABLE COSTS AND PAYMENT AUG 2018

52.216-8 FIXED FEE JUN 2011

52.217-8 OPTION TO EXTEND SERVICES NOV 1999

52.222-1 NOTICE TO THE GOVERNMENT OF LABOR FEB 1997

 DISPUTES

52.222-2 PAYMENT FOR OVERTIME PREMIUMS JUL 1990

52.222-3 CONVICT LABOR JUN 2003

52.222-4 CONTRACT WORK HOURS AND SAFETYSTANDARS ACT –
OVERTIME COMPENSATION MAR 2018

52.222-21 PROHIBITIONS OF SEGREGATED FACILITIES APR 2015

52.222-26 EQUAL OPPORTUNITY SEP 2016

52.222-29 NOTIFICATION OF VISA DENIAL APR 2015

52.222-35 EQUAL OPPORTUNITY FOR VETERANS OCT 2015

52.222-36 EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES JUL 2014

52.222-37 EMPLOYMENT REPORTS ON VETERANS FEB 2016

52.222-50 COMBATING TRAFFICKING IN PERSONS, JAN 2019

52.223-5 POLLUTION PREVENTION AND RIGHT-TO-KNOWINFORMATION MAY 2011

52.223-6 DRUG-FREE WORKPLACE MAY 2001

52.223-10 WASTE REDUCTION PROGRAM MAY 2011

52.223-18 ENCOURAGING CONTRACTOR POLICIES OF BAN
TEXT MESSAGING WHILE DRIVING AUG 2011

52.224-1 PRIVACY ACT NOTIFICATION APR 1984

52.224-2 PRIVACY ACT APR 1984

52.225-1 BUY AMERICAN ACT-SUPPLIES MAY 2014

52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES JUN 2008

52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND
TRANSLATION OF CONTRACT FEB 2000

52.227-2 NOTICE AND ASSISTANCE REGARDING PATENTAND
COPYRIGHT INFRINGEMENT DEC 2007

52.227-14 RIGHTS IN DATA - GENERAL MAY2014

52.228-3 WORKERS’ COMPENSATION INSURANCE (DBA) JUL 2014

52.228-7 INSURANCE LIABILITY TO THIRD PERSONS MAR 1996

52.229-3 FEDERAL, STATE, AND LOCAL TAXES FEB 2013

52.230-2 COST ACCOUNTING STANDARDS OCT 2015

52.230-3 DISCLOSURE AND CONSISTENCY OF COST ACCOUNTING PRACTICES OCT 2015

52.230-4 DISCLOSURE AND CONSISTENCY OF COSTSACCOUNTING
PRACTICES– FOREIGN CONCERNS OCT 2015

52.230-6 ADMINISTRATION OF COST ACCOUNTING STANDARDS JUL 2010

52.232-9 LIMITATIONS ON WITHHOLDING OF PAYMENTS APR 1984

52.232-17 INTEREST MAY 2014

52.232-18 AVAILABILITY OF FUNDS APR 1984

52.232.22 LIMITATION OF FUNDS APR 1984

52.232-23 ASSIGNMENT OF CLAIMS MAY 2014

52.232-25 PROMPT PAYMENT JAN 2017

52.232-25 ALTERNATE I JAN 2017

52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER –
SYSTEM FOR AWARDMANAGEMENT OCT 2018

52.232-34 PAYMENT BY ELECTRONIC FUNDS TRANSFER
OTHER THAN SYSTEM FORAWARD MANAGEMENT JUL 2013

52.232-39 UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS JUN 2013

52.233-1 DISPUTES MAY 2014

52.233-1 ALTERNATE I MAY 2014

52.233-3 PROTEST AFTER AWARD ALTERNATE I SEP 1996

52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM OCT 2004

52.237-3 CONTINUITY OF SERVICES JAN 1991

52.237-8 RESTRICTION OF SEVERANCE PAYMENTS TO FOREIGN NATIONALS AUG 2003

52.237-9 WAIVER OF LIMITATION ON SEVERANCE PAYMENTS TO FOREIGN NATIONALS MAY 2014

52.239-1 PRIVACY OR SECURITY SAFEGUARDS AUG 1996

52.242-1 NOTICE OF INTENT TO DISALLOW COSTS APR 1984

52.242-3 PENALTIES FOR UNALLOWABLE COSTS MAY 2014

52.242-4 CERTIFICATION OF FINAL INDIRECT COSTS JAN 1997

52.242-13 BANKRUPTCY JUL 1995

52.243-2 CHANGES ‐ COST‐REIMBURSEMENT (AUG 1987) – ALTERNATE I APR 1984

52.243-7 NOTIFICATION OF CHANGES JAN 2017

52.244-2 SUBCONTRACTS JAN 2007

 ALTERNATE I OCT 2010

52.244-5 COMPETITION IN SUBCONTRACTING DEC 1996

52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS JAN 2019

52.245-1 GOVERNMENT PROPERTY JAN 2017

52.246-25 LIMITATION OF LIABILITY – SERVICES FEB 1997

52.249-6 TERMINATION (COST-REIMBURSEMENT) MAY 2004

52.249-14 EXCUSABLE DELAY APR 1984

52.253-1COMPUTER GENERATED FORMS JAN 1991

AIDAR 48 CFR Chapter 7

752.202-1 DEFINITIONS JAN 1990

752.204-2 SECURITY REQUIREMENTS FEB 1999

752.209-71 ORGANIZATIONAL CONFLICTS OF INTERESTDISCOVERED AFTER AWARD JUN 1993

752.211-70 LANGUAGE AND MEASUREMENT JUN 1992

752.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS AND
SMALL DISADVANTAGEDBUSINESS CONCERNS MAR 2015

752.229-70 FEDERAL, STATE, AND LOCAL TAXES DEC 2014

752.242-70 PERIODIC PROGRESS REPORTS OCT 2007

752.245-70 GOVERNMENT PROPERTY – USAID REPORTINGREQUIREMENTS JULY 199

752.7001 BIOGRAPHICAL DATA JUL 1997

752.7006 NOTICES APR 1984

752.7008 USE OF GOVERNMENT FACILITIES OR PERSONNEL APR 1984

**END OF CLAUSES**

**DISCLOSURE OF OWNERSHIP OR CONTROL BY GOVERNMENT OF A TERRORIST COUNTRY**

"Definitions." As used in this provision:

(1) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j) (1) (A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j) (i) (A)), to be a country the government of which has repeatedly provided support for such acts of international terrorism.

(3) "Significant interest" means --

(i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "Nominee shares," "street names," or some other method of holding securities that does not disclose the beneficial owner;

(ii) Holding a management position in the firm, such as a director or officer;

(iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

 (v) Holding 50 percent or more of the indebtedness of a firm.

"Prohibition on award."

No contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary.

"Disclosure."

If the government of a terrorist country has a significant interest in the Contractor or a subsidiary of the Contractor, the Contractor shall disclose such interest as per the following criteria:

(1) Identification of each government holding a significant interest; and

(2) A description of the significant interest held by each government.

If the Contractor is a subsidiary, it shall also disclose any significant interest the government of a terroristcountry has in any firm that owns or controls the subsidiary.

By signature below, the Contractor confirms that no Government of a terrorist country has any significant interest in the Contractor or any of its subsidiaries, and the Contractor is not included on the US Government List of Parties Excluded from Federal Procurement and Non-procurement Programs.

Name:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature Date

**ATTACHMENT III**

**REPRESENTATION REGARDING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT**

**(a) Prohibitions.**

Section 889(a) of the John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 (Pub. L. 115-232) prohibits the U.S. Government and any of its contractors and subcontractors from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

**(b) Definitions:**

*Covered foreign country* means The People’s Republic of China.

*Covered telecommunications equipment or services* means telecommunications equipment produced by Huawei Technologies Company, ZTE Corporation, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

*Critical technology* means defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations; Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled- (i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or (ii) For reasons relating to regional stability or surreptitious listening; Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities); Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material); Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

*Reasonable inquiry* means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

*Substantial or essential component* means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(**c) Representation.**After conducting a reasonable inquirySubcontractor represents that it [ ] will or [ ] will not provide covered telecommunications equipment or services to DT Global in the performance of any contract, subcontract, order, or other contractual instrument resulting from this contract. This representation shall be provided as part of the proposal and resubmitted on an annual basis from the date of award.

**(d) Disclosures.**If the Subcontractor has responded affirmatively to the representation in paragraph (c) of this clause, the Subcontractor shall provide the following additional information to DT Global:

(1) List of all covered telecommunications equipment and services offered or provided (Entity name, brand; model number, such as original equipment manufacturer (OEM) number, manufacturer part number, or wholesaler number; and item description, as applicable);

(2) Explanation of the proposed use of covered telecommunications equipment and services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b) of this provision;

**(e) Reporting requirement.**

(1) In the event the Subcontractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Subcontractor is notified of such by a subcontractor at any tier or by any other source, the Subcontractor shall report the information in paragraph (d)(2) of this clause to DT Global.

(2) The Subcontractor shall report the following information pursuant to paragraph (d)(1) of this clause

                (i) Immediately upon such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

                (ii) Within 5 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Subcontractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

**(f) 2nd Tier *Subcontracts.*** The Subcontractor shall insert the substance of this clause, including this paragraph (f), in all 2nd Tier subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

Contract/Subcontract No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title/Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Organization: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_