

DATE: 15/02/2023

## REQUEST FOR PROPOSAL: HCR/IRQ/COE/2023/RFP-009

**For Construction of Additional Classrooms in four Schools in Sulaymaniyah and one School in Halabja Governorate in Iraq for UNHCR Iraq Operations**

**CLOSING DATE AND TIME: 23:59 HRS IRAQ Local Time on 09/03/2023**

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### INTRODUCTION TO UNHCR

The Office of the United Nations High Commissioner for Refugees was established on December 14, 1950, by the United Nations General Assembly. The agency is mandated to lead and co-ordinate international action to protect refugees and resolve refugee problems worldwide. Its primary purpose is to safeguard the rights and well-being of refugees. It also has a mandate to help stateless people.

In more than five decades, the agency has helped tens of millions of people restart their lives. Today, a staff of some 6,600 people in more than 110 countries continues to help about 60 million persons. To help and protect some of the world's most vulnerable people in so many places and types of environments, UNHCR must purchase goods and services worldwide. For further information on UNHCR, its mandate and operations please see <http://www.unhcr.org>.

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### 1. REQUIREMENTS

The Office of the United Nations High Commissioner for Refugees (UNHCR), Iraq Operations, invites qualified construction firms to make a firm offer for **Construction of Additional Classrooms in four Schools in Sulaymaniyah and one School in Halabja Governorate in Iraq for UNHCR Iraq Operation**.

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| <b>IMPORTANT:</b> Bill of Quantities (BOQs) are detailed in Annex A of this document. |
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### 2. BIDDING INFORMATION

#### 2.1 RFP DOCUMENTS

The following annexes form integral part of this Request for Proposal.

Annex A: Bill of Quantities & Scope of Work (SOW)  
Annex B: Design and the structure (Drawings)  
Annex C: Detailed Technical Evaluation Criteria  
Annex D: Technical Proposal Form  
Annex E: Vendor Registration Form  
Annex F: General conditions of Contracts for the provision of Good and Services (July 2018)  
Annex G: UNHCR General Conditions of Contracts for Civil works (October 2000)  
Annex H: Supplier's Code of conduct  
Annex I: e-Tender Box Supplier user manual  
Annex J: How to Join Microsoft Teams without account  
Annex K: Financial Offer Form  
Annex L: Tentative calendar of activities  
Annex M: Bid Data Sheet  
Annex N: Submission Checklist

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| <b>IMPORTANT:</b> It is strongly recommended that this Request for Proposal and its annexes be read thoroughly. |
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#### 2.2 ACKNOWLEDGEMENT

We would appreciate your informing us of the receipt of this RFP by return e-mail to [IRQERPROC@unhcr.org](mailto:IRQERPROC@unhcr.org), CC: [omerr@unhcr.org](mailto:omerr@unhcr.org) as to:

- Your confirmation of receipt of this RFP
- Whether or not you will be submitting a bid

**IMPORTANT:** Failure to send the above requested information may result in disqualification of your offer from further evaluation.

## 2.3 REQUESTS FOR CLARIFICATION

Bidders are required to submit any request for clarification or any question in respect of this RFP by e-mail to [IRQERPROC@unhcr.org](mailto:IRQERPROC@unhcr.org), CC: [omerr@unhcr.org](mailto:omerr@unhcr.org). The deadline for receipt of questions is **23:59 HRS IRAQ Local Time on 26/02/2023**. Bidders are requested to keep all questions concise. UNHCR may, at its discretion, copy any reply to a question to all other invited firms.

All the emails sent requesting clarification **MUST** have the following subject otherwise UNHCR reserves the right **NOT TO REPLY**.

**EMAIL SUBJECT: HCR/IRQ/COE/2023/RFP-009 - Query**

UNHCR will compile all questions and reply to the questions received as soon as possible by means of publication on the UNGM, UNHCR websites and by email to all bidders participating in the tender competition.

**IMPORTANT:** Please note that Bid Submissions are NOT to be sent to the e-mail address above. Bid Submissions sent directly to the e-mail addresses above will result in disqualification of the offer.

### 2.3.1 SITE VISIT:

All the participating construction companies/contractor are **ENCOURAGED** to inspect the construction site before submitting their offer. The contractors are required to send an email for booking an appointment for the visit to the email address: [IRQERPROC@unhcr.org](mailto:IRQERPROC@unhcr.org), CC: Buyer Email: [omerr@unhcr.org](mailto:omerr@unhcr.org) before **22/02/2023**. The date of the site visit is **23/02/2023 at 10:00 a.m.** on sequences as per below, (the date and the time of the site visit is fixed no changes can be made to this date and time upon the request of a potential bidder.

- 1st Site Visit Date/Time: 23/02/2023 (10:00 a.m. -10:30 a.m.)  
Venue: Sana school in Sulaymaniyah- Tasluja.  
GPS Coordinates: GPS: 35.563733 N – 45.39879 E
- 2nd Site Visit Date/Time: 23/02/2023 (10:45 a.m. -11:15 a.m.)  
Venue: Baba Gorgor school in Sulaymaniyah- Bainjan  
GPS Coordinates: GPS: 35.572941 N – 45.413171 E
- 3rd Site Visit Date/Time: 23/02/2023 (12:30 p.m. – 13:00 p.m.)  
Venue: Rastgo school in Sulaymaniyah- Baziyan  
GPS Coordinates: GPS: 36.18816 N – 44.028723 E
- 4th Site Visit Date/Time: 23/02/2023 (14:30 p.m. – 15:00 p.m.)  
Venue: Kinda Suray school in Sulaymaniyah- Tanjaro  
GPS Coordinates: GPS: 35.55576 N – 45.435118 E
- 5th Site Visit Date/Time: 23/02/2023 (16:00 p.m. - 16:30 p.m.)  
Venue: Peshkawtin School in Old Halabja  
GPS Coordinates: GPS: 35.1123 N – 45.5858 E  
For location coordination, please contact Kamaran Ali at +964 750 118 6401

Please Note: UNHCR does not provide means of transport to the site.

### 2.3.2 PRE-BID CONFERENCE:

UNHCR will organize a supplier pre-bid conference on MS Teams, on **26/02/2023** at **11:00** HRS. A maximum of ONE representative per company is allowed. Name and contact details of the company's representatives must be provided, at least two working days in advance, by e-mail to [IRQERPROC@unhcr.org](mailto:IRQERPROC@unhcr.org), CC: [omerr@unhcr.org](mailto:omerr@unhcr.org) before **21/02/2023**. Changes in staff need to be shared in advance; otherwise, they will not be able to participate.

Participation to the pre-tender conference shall be at the bidders' own expenses. There will be no reimbursement from UNHCR.

Participation to the pre-tender conference is STRONGLY RECOMMENDED given the complexity of the requirements. However, after the supplier conference, a Questions & Answers document will be prepared and posted on UNGM and/or distributed by email to all invited bidders.

**IMPORTANT:** Please note that Bid Submissions are not to be sent to the e-mail address above.

## 2.4 YOUR OFFER

**IMPORTANT:** Cancellation of Solicitation: UHCR reserves the right to cancel a Solicitation at any stage of the procurement process prior to final notice of award of a contract.

Your offer shall be prepared in English.

**Please submit your offer using the Annexes provided. Offers not conforming to the requested formats may be not taken into consideration.**

**IMPORTANT:** Inclusion of copies of your offer with any correspondence sent directly to the attention of the responsible buyer or any other UNHCR staff other than the manner of submission as specified in the tender document will result in disqualification of the offer. Please send your bid directly to the address provided in the "Submission of Bid" section 2.6) of this RFP.

Your offer shall comprise the following sets of documents:

- Technical offer
- Financial offer

### 2.4.1 Content of the TECHNICAL OFFER

**IMPORTANT:**

No pricing information should be included in the technical offer. Failure to comply may risk disqualification. The technical offer should contain all information required.

The Bill of Quantities for **Construction of Additional Classrooms in four Schools in Sulaymaniyah and one School in Halabja Governorate in Iraq for UNHCR Iraq Operations** can be found in **Annex A: Bill of Quantities & Scope of Work (SOW)**

Your technical offer should be concisely presented and structured in the following order to include, but not necessarily limited to the following information:

**Description of the company and the company's qualifications**

A description of your company with the following documents: company profile, registration certificate and last audit reports:

- Year founded;
- If multi location company, specify headquarters location;
- Number of similar and successfully completed projects;
- Number of similar projects currently underway;
- Total number of clients; previous and current

- a. **Valid Registration Documents** / Certificate / Incorporation with the Government of Iraq (Federal Government or Kurdistan Region) as a construction or general contracting company, Company Age Not less than 3 years from the date of registration / incorporation.
- b. Your technical offer should contain your acknowledgement of the following applicable conditions either by signing the below documents or acceptance of the following in writing on its letterhead as part of your technical:
  - (i) **Annex F: General conditions of Contracts for the provision of Good and Services (July 2018)**
  - (ii) **Annex G: UNHCR General Conditions of Contracts for Civil works (October 2000)**

**However, please note that submitting an offer is deemed as full acceptance of UNHCR's Conditions above for Provision of required Services and UNHCR General Conditions of Contracts for Civil works (October 2000).**

- c. **Bid Security:** Your technical offer should contain the sum of **USD 5,000** in the form of a Bank Guarantee or Certified Bankers Cheque issued from a local bank. The bid security must be valid for at least **180 Days** after the closing date of the tender. Please include a scanned copy of bid security in your technical documents submitted through eTenderBox and keep the original. UNHCR may ask to submit original copy at later stage of the evaluation.

The bid security for the unsuccessful bidders will be released with the regret letter(s). The Bid Security for the successful bidder(s) will be released upon the submission of the Performance Bond and upon the signing of the Awarded Contract.

**Your bid security may be forfeited:** If you withdraw your offer during the period of the Bid Validity specified by you in your offer: or, In the case of a successful Bidder, if you fail to sign the Contract/Purchase Order - in which case, you would have refused the offer.

- d. **Award and Performance Bond (bank guarantee):**

The Firm that submits the successful Proposal will be notified by "Letter of Award" prior to the expiration of the validity period. The letter, referred to as the "Letter of Award" will state the sum of the fees to be paid to the Firm for the services rendered and will indicate the terms under which the Contract must be finalized. The Contract must be signed within 14 days of the issuance of the Letter of Acceptance. The successful bidder will be required to furnish UNHCR with a **[10% BANK GUARANTEE]** of the contract value from a reputable bank in the next 7 days, valid for the entire period of the contract and the period for defects and liabilities period.
- e. List of Equipment owned by the firm to be mobilized for the execution of works described in **Annex A: Bill of Quantities & Scope of Work (SOW)**
- f. Frame-time for completion of the project including the main project milestones; Work Schedules; Gantt charts. Submission of a detailed and realistic work plan within (+/-)15% of the proposed duration of **60 Days**
- g. Past experience and performance records with other UN Agencies, NGOs or any other major clients and other credentials.
- h. Similar Past Experience (Copies of 3 Purchase Orders (POs), contract agreements, or work orders for **Construction and landscaping projects** with proof of project completion in the **past ten (10) years**
- i. Project assumptions and constraints based on your understanding of the project;
- j. The methodology/approach to be used in addressing the issues outlined in the BoQ;

- k. Submit the latest 2 consecutive years' financial audited reports for the years **(2020-2021-2022)**; Audited Financial reports must include the Balance Sheet and must be certified by the Iraqi Association of Accountants, clearly demonstrating a minimum cumulative turnover of **USD 70,000**.
- l. **Vendor Registration Form:** If your company **is not** already registered with UNHCR, you should complete, sign and submit with your technical proposal the **Vendor Registration Form (Annex E)** however in case if your company is registered please clearly state your supplier/vendor ID. In case if you are not sure about the status of your company please send you're a duly filled Vendor Registration Form.
- m. Any information that will facilitate our evaluation of your company's substantive reliability, financial and managerial capacity to provide the requested requirements by UNHCR as specified in **Annex A: Bill of Quantities & Scope of Work (SOW)**

**Understanding of the requirements of the services requested in the solicitation documents such as: proposed approach, solutions, methodology and outputs.**

Any comments or suggestions on the project, as well as your detailed description of the manner in which your company would respond to the BOQs:

- A description of your organization's capacity to provide the required services.
- A description of your organization's experience in undertaking / implementing the project.
- Compliance to the requirements stated on the in the BOQ and/or technical proposal form.

**Proposed personnel to carry out the assignment**

- The organization structure or organizational chart. List of key personnel and their qualifications with Curriculum Vitae of core staff.

**Where deemed necessary a supplier visit may be required to complement the narrative of the technical evaluation.**

**IMPORTANT:**

Companies not submitting the required documents with their proposal may be contacted by UNHCR and given one more opportunity (within 48 hours) to submit them (Only for the Administrative requirements **criterion no. 1 & 2 (Business Registration Documents and Bid Security)**). Should these companies still not submit the missing documents, they will then be disqualified.

**2.4.2 Content of the FINANCIAL OFFER**

Your separate Financial Offer must contain an overall offer in United States Dollars (USD). The financial offer must cover all the services to be provided (price "all inclusive"). If no financial offer is received, the bid shall be automatically disqualified.

The Financial Offer is to be submitted as per the **Annex A: Bill of Quantities & Scope of Work (SOW) BIDS THAT HAVE A DIFFERENT PRICE STRUCTURE MAY NOT BE ACCEPTED.**

UNHCR is exempt from all direct taxes and customs duties. With this regard, **price has to be given without VAT.**

You are requested to hold your offer valid for a minimum of **(180 days)** from the deadline for submission. UNHCR will make its best effort to select a company within this period. UNHCR's standard payment terms are within 30 days after satisfactory implementation and receipt of documents in order.

The cost of preparing a bid and of negotiating a contract, including any related travel, is not reimbursable nor can it be included as a direct cost of the assignment. Any activity undertaken or expenses incurred in preparation of a contract before an actual contract is signed shall be borne by the Bidder. An advance notice or information of award is not to be considered as a contract.

UNHCR will not provide any advance payments or payments by letter of credit. The standard payment terms are by bank transfer net thirty (30) days after acceptance of contractor's invoice and delivery and acceptance of services by UNHCR in shape of a partial or substantial works completion certificate issued by the designated Project Manager / Engineer.

**IMPORTANT: UNHCR can only facilitate payments through the local banks and not banks outside of Iraq and therefore the current market condition must be factored in before submitting your quote.**

**IMPORTANT: Bidders are required to submit the financial offer both in PDF and Excel Sheet (Soft Copy) in the template provided in Annex K: Financial Offer Form**

## **2.5 BID EVALUATION:**

Each proposal from a Bidder will be considered separately and independently. Bidders shall submit a complete proposal for each solicitation in which they wish to participate. References to previous or on-going proposals will be not considered. Award of a previous contract with UNHCR will not be considered in itself as a preference or guarantee for the award of future solicitations on the same subject.

### **2.5.1 Supplier Registration:**

The qualified company (s) will be added to the Vendor Database after investigation of suitability based on the submitted Vendor Registration Form and supporting documents. The investigation involves consideration of several factors such as:

- Financial standing;
- Core business;
- Track record;
- Contract capacity.

### **2.5.2 Technical and Financial evaluation:**

For the award of this project, UNHCR has established evaluation criteria which governs the selection of offers received. Evaluation is made on a technical and financial basis. The percentage assigned to each component is determined in advance as follows:

- **Technical Offer will be weighed at 60 points (or 60%)**
- **Financial Offer will be weighed at 40 points (or 40%)**

#### **Technical Offer**

The Technical offer will be evaluated using inter alia the following criteria and percentage distribution: **60% from the total score**, with a minimum passing score of **36 points**.

| <b>Evaluation Factors</b>                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mandatory</b>                                                                                                                                                                                                                                                                                                                                                                     |
| Valid Registration Documents / Certificate / Incorporation in the field of Construction / General Contracting registered in Iraq with Federal Government or Kurdistan Region of Iraq) Company Age Not less than 3 years from the date of registration/incorporation.                                                                                                                 |
| Mandatory bid security of <b>USD 5000</b> by "Good for Payment Cheque/Certified Cheque" made out in the name of UNHCR covering the offer's validity (180 days)? It should be a certified cheque (not personal).<br>The cheque should indicate the <b>RFP number</b> and must be issued under the company name. The selected company would be required to submit the original cheque. |

| Scoring Criteria                                                               |
|--------------------------------------------------------------------------------|
| General Company Qualification & experience (0-14 Point)                        |
| Relevant Experiences (0-8) marks                                               |
| Technical Specification of Works (0-30) marks (Min Passing point is 20 Points) |
| Work Plan & Method of Implementation (0-8)                                     |
| <b>Total Marks (60)</b>                                                        |

The Technical offer score will be calculated according to the percentage distribution for the technical and financial offers. The cut-off points for submissions to be considered technically compliant will be 60% of the total technical weightage **i.e., 36 out of the 60.**

#### **Financial Offer:**

The Financial offer will use the following percentage distribution: **40%** from the total score. The financial component will be analyzed only for those suppliers that pass the technical evaluation.

The maximum number of points will be allotted to the lowest price offer that is opened and compared among those invited firms. All other price offers will receive points in inverse proportion to the lowest price, e.g.,  $[\text{total Price Component}] \times [\text{US\$ lowest}] \div [\text{US\$ other}] = \text{points for other supplier's Price Component}$ .

#### **Clarifications of Proposals:**

To assist in the examination, evaluation, and comparison of proposals UNHCR may at its discretion ask the Bidder for clarification about the content of the proposal. The request for clarification and the response shall be in writing and no change in price or substance of the proposal shall be sought, offered, or accepted.

UNHCR reserves the right to award without clarifications and/or discussions. If there are arithmetic mistakes in the budget of the technically acceptable applicants, UNHCR will rectify these mistakes on the following basis:

- a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected; and
- b) If there is a discrepancy between the amounts in figures and in words, advantage will be given to the amounts in words.

If the correction(s) leads to a different total cost, this new total cost will be evaluated against other technically acceptable Proposals and considered as being part of the Best Value evaluation and selection. UNHCR reserves the right to reject the Proposal if the technically acceptable applicant does not accept the correction of mistakes in the budget by UNHCR.

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## 2.6 SUBMISSION OF BID:

The offers must bear your official letter head, clearly identifying your company. The Technical and Financial offers shall be clearly separated.

**Please submit your proposal through an online eTenderBox Tool, which can be accessed at <http://etenderbox.unhcr.org>.**

To submit a proposal against UNHCR tender, the bidder needs to register in eTenderbox system. Please refer to the eTenderbox user manual for bidders at Annex I: **e-Tender Box Supplier user manual**. You are requested to get familiar with this tool and create a login by registering your company in the system for access to the current and upcoming UNHCR tenders.

Once the login is created, the bidder will be given access to the UNHCR available tenders. Bidders can access the specific tender by clicking on the “tender reference number”, the system will then navigate to the detailed tender review page, where the separate technical and financial submissions can be done.

**It is the bidder’s responsibility to upload only technical documentation under the “Technical” category and Financial documentation under the “Financial” category. Failure to do so will result in disqualification.**

***Note: The official submission of the selected files for upload is done by clicking the ‘Save & Submit’ button, therefore, this button has to be clicked before the deadline expires. If done so, the selected files will be submitted and uploaded successfully even if the deadline expires during the file upload. It is the Supplier’s responsibility to ensure that all files of the final offer are submitted before the tender expiration deadline. In order to ensure the safe submission of the full and final offer, it is recommended to have all files uploaded well before the tender deadline.***

Allowed extensions for files to upload are .doc, .docx, .xls, .xlsx, .rtf, .png, .jpg, .jpeg, .pdf, .txt, .zip, .ppt, .pptx, .bmp, .rar, .gif, .tif and .tiff, however **it is preferable to upload PDF files. Executable files** (.exe, .bat, .cmd etc.) should not be uploaded. All files should be clearly labeled. **The maximum size limit per file is 10MB.**

**IMPORTANT:** The technical offer and financial offer are to be sent in separate documents. Failure to do so may result in disqualification.

**IMPORTANT:** DEADLINE TO SUBMIT YOUR BID: **[09/03/2023] BY 23:59 HOURS LOCAL TIME:** Any bid uploaded after this date and time will be rejected. UNHCR may, at its discretion, extend the deadline for the submission of bids by notifying through eTenderbox.unhcr.org and WWW.UNGM.ORG.

**IMPORTANT:** Any bid received after this date or sent to another UNHCR address may be rejected. UNHCR may, at its discretion, extend the deadline for the submission of bids, by notifying all prospective bidders simultaneously.

UNHCR will not be responsible for locating or securing any information that is not identified in the bid. Accordingly, to ensure that sufficient information is available, the bidder shall furnish, as part of the bid, any descriptive material such as extracts, descriptions, and other necessary information it deems necessary for a comprehensive understanding of its proposal by UNHCR.

**IMPORTANT:** The Financial offer will only be opened for evaluation if the supplier’s technical part of the offer has passed the test and has been accepted by UNHCR as meeting the technical specifications.

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## 2.7 BID ACCEPTANCE:

UNHCR reserves the right to accept the whole or part of your bid or allow split or partial awards on this project. It is however important to note that the construction project cannot be split unless the various components are defined by LOT. All other projects are to be awarded on an all or nothing basis.

**Important:** Any missing cost for a line in Bill of Quantities & Financial Offer will be considered invalid.

UNHCR may at its discretion increase or decrease the proposed content when awarding the contract and would not expect a significant variation of the rate submitted. Any such increase or decrease in the contract duration would be negotiated with the successful bidder as part of the finalization of the Purchase Orders for Services.

Please note that UNHCR is not bound to select any of the firms submitting bids and does not bind itself in any way to select the firm offering the lowest price. Furthermore, the contract will be awarded to the bid considered most responsive to the needs, as well as conforming to UNHCR's general principles, including economy and efficiency and best value for money.

**Some of the reasons of disqualification:**

Some of the reasons which may lead to such disqualification of your offer are as following: Proposal if:

1. The Applicant's qualification or data are proven to be false; The selected Applicant refuses to enter into a contract.
2. The Applicant commits a proven unfair or dishonest act in order to acquire rights for agreement award.
3. The proposal is received through any other means of communication except as specified in this solicitation document under Article 2.6 SUBMISSION OF BID
4. The offer is received after the deadline for submission of bids stated in the tender documents; and/or Sent via the correct route after having been sent incorrectly.
5. Any changes made to the BOQ by the bidder may result in disqualification of the offer.

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## **2.8 CURRENCY AND PAYMENT TERMS FOR PURCHASE ORDERS**

Any Purchase Order (PO) issued as a result of this RFP will be made in the currency of the winning offer(s). Payment will be made in accordance to the General Conditions for the Provision of Goods and Services and in the currency in which the PO is issued. Payments shall only be initiated after confirmation of successful completion by UNHCR business owner.

Any Purchase Order (PO) issued as a result of this RFP will be made in USD. Payment will be as follows:

- a) **1st Payment (30%)** of contract value after completing **40% of work**.
- b) **2nd Payment (40%)** of contract value after completing **80% of work**.
- c) **3rd Payment (20%)** of contract value after completing **100% of work**.
- d) Payment Retention: 10% of the total project amount will be withheld from the Final Payment as Retention Amount for a period of Defect Liability Period of **ONE YEAR** after completion of the project.

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## **2.9 UNHCR GENERAL CONDITIONS OF CONTRACTS FOR CIVIL WORKS (OCTOBER 2000)**

Please note that the **UNHCR General Conditions of Contracts for Civil works (October 2000) (Annex G)** will be strictly adhered to for the purpose of any future contract. The Bidder must confirm the acceptance of these terms and conditions in writing.

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## **2.10 UNHCR GENERAL CONDITIONS OF CONTRACTS FOR THE PROVISION OF GOODS AND SERVICES**

Please note that the **Annex F: General conditions of Contracts for the provision of Good and Services (July 2018)** will be strictly adhered to for the purpose of any future contract. The Bidder must confirm the acceptance of these terms and conditions in writing.

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## **2.11 Liquidated Damages**

- 2.11.1 In accordance with the provisions made in the Article 45 of (The UNHCR General Conditions of Contract for Civil Works (October 2000 version) and in Article 17 of the UNHCR Standard Contract for Construction

Services. The Contractor acknowledges the requirement of UNHCR to be completed **in accordance with the time frames stipulated contract resulting from this solicitation process with the successful bidder.** The successful bidders will therefore be required to acknowledge, that time is of the essence in relation to performance of its obligations.

- 2.11.2 Should the Contractor be in delay, without prejudice to UNHCR's other rights and remedies, UNHCR may, at its sole option, demand liquidated damages for such delay, in an amount equal to **0.1%** for each [DAY for the portion of incomplete portion of the works] of delay beyond the date upon which the Services were due to be completed. The Parties agree and acknowledge that calculation of damages from a breach would be difficult to estimate accurately and that the foregoing [The assessment will not exceed 10 percent of the Contract value] is a reasonable approximation thereof and is intended as the fair allocation and liquidation of damages and not as a penalty against the Contractor.
- 2.11.3 UNHCR shall have the right to deduct any liquidated damages to which it is entitled under the terms of its standard contract for construction services from any monies due from UNHCR to a potential Contractor (resulting from this solicitation process), or to recover the same as a debt due from the Potential Contractor.
- 2.11.4 Liquidated damages shall be payable by virtue of the sole fact of the delay without the need for any previous notice or any legal or arbitral proceedings, or proof of damage, which shall in all cases be considered as ascertained.

**Signature**

**Supply Officer**  
**UNHCR Country- Office Erbil, IRAQ**

## Annex A: Bill of Quantities & Scope of Work (SOW)

### LOT 1 Peshkawtin School:

| LOT 1: Construction of Three (5 X 10) m Classroom for Peshkawtn School in Halabja |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |          |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| #                                                                                 | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit           | Quantity |
| <b>A</b>                                                                          | <b>Earth Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |          |
| A1                                                                                | <b>Site Preparation and Cutting:</b> Removal of debris, grading, levelling to the appropriate level clearance of area not less than 35 cm deep ,and installing markers, the works should be done according to section (2) of I.G.T.S and for any depth of cutting or Removing of Debris required for all the area must be according to drawings and instructions of the site engineer , cleaning the site and transporting resulting materials (Debris) to an appropriate location outside municipalities border and approved by the site engineer.                                                                                                                                                                                                                                                                                                                            | M <sup>2</sup> | 400      |
| A2                                                                                | <b>Excavation works:</b> Excavation in all types of soils (even rock layers, asphalt or existing foundation concretes), with dimensions 1.0m depth and 1.0m width and, the price includes compaction of the excavation base by using compactor according to requirements of section 2 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M <sup>3</sup> | 95       |
| A3                                                                                | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for garage and play yard must be not less than 90% MDD, and using anti termite chemical (cloredidin) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers.                                                                                                                                                                                                                                   | M <sup>3</sup> | 210      |
| <b>B</b>                                                                          | <b>CONCRETE WORKS:</b> Including supply of materials (steel reinforcement, connection steel wires, cement, aggregate, water, sand, plastic cover for fixing the steel reinforcement in the proper level, bolts, nuts, washers, G. I. pipes, cutter machines, binder machine, etc.), and all necessary works, according to the section (600) of I.G.T.S, drawings and instructions of the site engineer.<br>Note:<br>1- Use new plywood for all support for wooden forms work, with Adjustable Steel Scaffolding Props and Formwork Jack Support.<br>2- Fy = 276 Mpa for 10mm,12mm steel bars. FY=414Mpa for 16mm,20mm, and 25mm steel bars.<br>3. Allowable bearing capacity of soil = 100 KN / m2 (assumed).<br>5. the reinforcement details should be according to ACI detailing manual 2004.<br>6. New Plywood or standard formworks must be used for all structural parts. |                |          |
| B1                                                                                | <b>Lean Concrete:</b> Supply materials and cast plain concrete class (C10) 1:3:6 ,10 cm (min. thickness) under the foundation and laying two layers of thick nylon. (The nylon should also cover the sides of excavation walls and extend on land for 50cm to both sides of excavation).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <sup>2</sup> M | 119      |
| B2                                                                                | <b>Reinforced Concrete for Strip Foundation and Footing:</b> Supplying materials and casting reinforced concrete for Wall foundations, column & stair footing, using concrete compressive strength 25 Mpa for 28 days over a layer of thick nylon. (The nylon should cover the sides of excavation walls and extend on land to both sides of excavation). The price includes all necessary works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <sup>3</sup> M | 30       |
| B3                                                                                | <b>Slab Reinforced Concrete:</b> Provide all materials and cast reinforced concrete (ready mix C 25) for the slabs with 20cm thickness, parapets, fair-faced, stairs, windows decorate, the work includes concrete all around slab apron kerb (marad tayar) (ready mix C 25), with Hight 20 cm and width 20cm according to the drawings, specifications and instructions of site engineer. Note: All the roofs must be treated and smoothened by using a copter instrument.                                                                                                                                                                                                                                                                                                                                                                                                    | <sup>3</sup> M | 54       |

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| B4       | <b>Beams and Tie Beams Concrete:</b> Supplying materials and casting reinforced concrete for beams and tie beams according to the details for different sections using concrete compressive strength (fcu=25 MPa) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                                                                                                                                                                                         | <sup>3</sup> M | 18  |
| B5       | <b>Lintels Concrete &amp; Column:</b> Supplying materials and casting reinforced concrete for lintels and expansion joint according to the details for different sections using concrete compressive strength (fcu=25 MPa) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                                                                                                                                                                                | <sup>3</sup> M | 5   |
| B6       | <b>Walk Way Concrete:</b> Supply material and cast plain concrete for foundation of walk way, with minimum compressive strength (fcu=21 MPa) for 28 days cube test, min.15 cm thick over a layer of thick nylon the slump limit of concrete must not exceed 70mm.                                                                                                                                                                                                                                                                                                                                                    | <sup>3</sup> M | 6   |
| B7       | <b>Parking Concrete:</b> Supply material and casting 15 cm thick using concrete compressive strength 21 Mpa for 28 days for the side walkway and apron area, using BRC (15*15) cm 6mm, chamfered the edges, joints according to the instruction of the site engineer and must using helicopter and monoshake EXTRA for grinding and using square steel pipes for levelling and formworks in stages according to the instruction of the site engineer.                                                                                                                                                                | <sup>2</sup> M | 60  |
| B8       | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness with Compressive strength of 28 days 210 kg/cm <sup>2</sup> (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages.                                                                                   | <sup>2</sup> M | 250 |
| <b>C</b> | <b>Masonry works:</b> Including provision of material, pointing, curing with all necessary work according to section (500) of I.G.T.S & instructions of Supervisor Engineer. the cost include (40) cm reinforcement steel bars (12) mm. min. (10) cm fixed after drill in columns and (30) cm in wall the height between two bars (50) cm for all intersection between wall and column to support walls and All works to be executed according to the Drawings and specification of site Engineer, making expansion joint every (6m) with thickness 25mm with using of 25mm thickness compressed Polystyrene sheets. |                |     |
| C1       | <b>Solid Concrete Blocks (15x20x40) cm Works:</b> Supplying materials & construction of walls with solid concrete blocks (15x20x40) cm and cement sand mortar (1:3) under DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                            | <sup>3</sup> M | 61  |
| C2       | <b>Hollow Concrete Blocks (20x20x40) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (20x20x40) cm. and cement sand mortar (1:3). according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                  | <sup>3</sup> M | 8   |
| C3       | <b>Hollow concrete Blocks (30x30x20) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (30x30x20) cm and cement sand mortar (1:3) above DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 102 |
| C4       | <b>Concrete Block Works for Parapet:</b> Supplying materials and constructing of Block walls using (40X12X20) cm with cement mortar (1:3) according to specifications, for all Internal walls, with the instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                               | <sup>3</sup> M | 5   |
| <b>D</b> | <b>ELECTRICAL INSTALLATIONS:</b> Electrical points, including provision and installation of all wiring (using excellent Jordanian type, KSA made or equivalent) of wires 1.5 mm <sup>2</sup> for illumination and 2.5 mm <sup>2</sup> for the rest), inside Egyptian PVC conduits 20-25 mm with thickness 1.8mm galvanized boxes 0.9 mm thickness cables should be laid inside PVC pipes, all materials should be new. All works should be done according to specifications and standard IEC76 and the instruction of a supervisor engineer.                                                                         |                |     |

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| D1   | Supply material, installation, and operation test of Electric items below flush mounting by using 1*1.5mm <sup>2</sup> , 1*2.5mm <sup>2</sup> , and 1*4mm <sup>2</sup> single core wires cable installed inside or equivalent, heavy-duty PVC (20mm&25mm dia. 1.8mm thickness conduits, circular junction box, square GI box 1mm, adapter, couplings with all accessories) the work also include switch and all requirement to implement the work entirely. (Note: lighting, fan & exhaust fan installed by 2*1*2.5mm <sup>2</sup> wires, while 13, 15 sockets installed by 3*1*2.5mm <sup>2</sup> in 20mm conduits, and 20A switch installed by 3*1*4mm <sup>2</sup> wires in 25mm conduits).                                                                                                                                                                                                                                    |                |     |
| D1.1 | simple spot lighting fixture 22watt LED, with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off all (2-3) lamp controlled by one switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No.            | 58  |
| D1.2 | Exterior Lighting fixture Bracket Lamp, wall mounting, waterproof, die-cast iron frame with bulkhead glass and 60Watt Philips bulb and indoor lighting due to electrical engineer's advice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No.            | 8   |
| D1.3 | Ceiling fan with regulator (Panasonic brand or equivalent) with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No.            | 8   |
| D1.4 | 13 A Switch Socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No.            | 12  |
| D1.5 | 32 Amp switch (Grid switch) with indicator lamp for boilers and Split.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No.            | 12  |
| D2   | POWER CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |     |
| D2.1 | Cable 4x16 +2mm, the price includes provide and install 2" GI pipe 3m Hight.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ML             | 60  |
| D3   | MAIN DISTRIBUTION BOARD-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |     |
| D3.1 | A sub-distribution board (18 phases 400V/50Hz) originally equipped (18 miniature circuit breakers) (16-20-32) Amps no (6), with main MCCB 150A according to the drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No.            | 1   |
| D4   | Electric boiler, capacity (160 liters), Electric heater (3000) watt with thermostat, Italian made, with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No.            | 1   |
| D5   | Water cooler 75 liters, white color iron frame prefabricated, the price includes electrical connection and all other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No.            | 2   |
| D6   | <b>Split Air Conditioner:</b> Supply and install split AC unit (24000BTU) (TOSOT, LG or Gree) or equivalent (if the mentioned brands are not available) (INVERTER TECHNOLOGY), the work also includes installing 45 Amp Residual current circuit breaker with Overcurrent Protection-RCBO (Legrand, ABB, Siemens, Schneider) or equivalent (if the mentioned brands are not available) and connect it with the electrical source using (2X4)mm <sup>2</sup> cable (GC, GCCI, Hidayatm FTM, Edison) or equivalent (if the mentioned brands are not available) with all accessories. The price also includes coring the wall using a proper machine (if needed) and fill the hole with foam and proper cover, also connect and extending the drain pipe to the outflow. with shade made of angle iron steel 2"x 2" size, with required proper installation, painting according to of instruction of supervisor electrical engineer. | No.            | 3   |
| E    | <b>FINISHING:</b> Including provision of all necessary materials, work, curing. The works should be done according to section 10, & 14 of I.G.T.S, drawings and instructions of site engineer with all necessary works and use SBR at a rate of 200gr per m <sup>2</sup> , ratio of SBR to water (3-1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |     |
| E1   | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash(sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) ) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m <sup>2</sup> , the price includes fixing steel wire mesh for the edges between walls and columns.                                                                                                                                                                                                                                                                                                                                                                                                                                  | M <sup>2</sup> | 300 |

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| E2       | <b>Gypsum plastering:</b> Supplying materials and plastering with gypsum (using gypsum approved by site engineer) in 2 layers minimum thickness 15mm using aluminum straight edges for plastering guides each 80 cm for walls and roofs, corridors, and entrance hall, and the area indicated in the drawings. The price includes cleaning and spreading cement splatter dash (a layer of cement slurry must be applied before plastering) and use SBR for the wall (thermos tone), also fixing steel wire mesh for the edges between walls and columns then using one layer of cement plastering for covering the wire mesh.                                                                        | M <sup>2</sup> | 530 |
| E3       | <b>Porcelain Tiles:</b> Supply materials and paving Porcelain Floor Tiles (60x60 cm) or (60x120 cm) ,14mm thickness (sample should be provided for approval) Wear-resistant, Non-slip, Acid-resistant, Low water-absorption 0.5% with all necessary works on a layer of cement sand mortar 1:3 mix ratio, the price includes cleaning the porcelain after the end of the works. The work includes using cement mortar and sealing the joints with white cement & lime grout and SPR color if required mixture), making 1.0 cm expansion joint each 25m2 filling with flexible epoxy, all required works should be carried out according to the attached drawing and supervisor engineer instruction. | M <sup>2</sup> | 205 |
| E4       | <b>Treads and Risers Work:</b> Supplying materials and covering treads and Risers of stair case with porcelain 2cm thick, Anti slippery, with mortar (1:2) (include main entrance stair) with all necessary works according to specifications, and instructions of the site engineer. The price includes rounded the edges for rises                                                                                                                                                                                                                                                                                                                                                                 | M <sup>2</sup> | 90  |
| E5       | <b>Skirting:</b> supply materials and skirting using Chinese Granite Type (approved type & color) with 12cm height according to the instructions of site engineer for indicated places according to the drawing. (Note: Both outer surfaces of the skirting and gypsum plastering should be coincided vertically).                                                                                                                                                                                                                                                                                                                                                                                   | M.L.           | 90  |
| E6       | <b>Acrylic Internal Paint:</b> Provide materials and Painting with Acrylic painting (sample should be provided for approval), painting and color approved by the site engineer, three layers for the rooms, corridors, areas indicated in the drawings (inside the building) or indicated by the site engineer. The works should be done according to specification, the drawings and instructions of the site engineer. Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                      | M <sup>2</sup> | 360 |
| E7       | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove made, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings and instructions of the site engineer. Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                 | M <sup>2</sup> | 300 |
| E8       | <b>Satin Painting 120 cm:</b> Provide materials and Painting 120 cm Hight with satin painting (sample should be provided for approval) painting and color approved by the site engineer) three layers for the areas indicated in the drawings (for walls).                                                                                                                                                                                                                                                                                                                                                                                                                                           | M <sup>2</sup> | 170 |
| E9       | <b>Gypsum False Ceiling:</b> Provide materials and fixing gypsum false ceiling 60*60cm for the Administration part and Hall or the places that indicate by the site engineer. The price includes hanging beams (Skka 38 mm height) every 120cm by, screw, rode steel fisher, rode 3mm, connecting the beams by skka 120cm,60cm long (32mm height) and all necessary works.                                                                                                                                                                                                                                                                                                                           | M <sup>2</sup> | 205 |
| E10      | <b>Curtain:</b> Provide materials and install stand curtain (Zebra Type) approved materials with all accessors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | M <sup>2</sup> | 28  |
| <b>F</b> | <b>Doors &amp; Windows:</b> Providing all necessary materials and installing doors according to sections 11, 12, 13 of I.G.T.S, details, and instructions of site engineer with all necessary works, prior samples should be approved by site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |     |

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| F1 | <b>Metal Modern Doors (Qasa) :</b> Provide and install metal doors (Qasa not less than 60mm thickness of the door leaf ) modern design for the rooms double-faced of sheet plate thickness 1.25mm, including 6mm glass pan, special switch, gate lock, 3 reinforced hinges, door stopper, rubber, polycarbonate, special guard bar, air bay seal, door viewer to see outside, Anti-rust steel thermal paint glossy color, termite proof , moisture and weather proof, steel frames 6*22cm , high secured with 2 locking points, with all necessary works according to the details and instructions of the site engineer. | M <sup>2</sup> | 8   |
| F2 | <b>Steel Guard Bars:</b> Provide and install metal guard bars windows, with primer and two layers of oil paint, using square corrugated bar 12 x 12 mm welded inside an angle frame 1.25"*1.25"*3mm, fixed by screw and fisher to the wall.                                                                                                                                                                                                                                                                                                                                                                              | M <sup>2</sup> | 45  |
| F3 | <b>Aluminum Windows:</b> Supply material and install Aluminum windows wide section high-quality 2mm thickness with dimension (2x3), fixing 4x3cm 3mm thickness steel pipes frame to the wall, Double glass pan (4mm+4mm) thickness, ordinary or mushajar, rubber, handle, the price includes flywire mesh for opening Areas, the work includes using EKOPLAST paste, cleaning the glasses by machine before composing.                                                                                                                                                                                                   | M <sup>2</sup> | 45  |
| F4 | <b>MDF PANEL:</b> Using MDF (Medium Density Fiber) 18 mm thickness and 20cm width with all necessary chamfered the edges, fixing according to the specifications, Fixed at 65cm from the F.F.L. with the instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                              | M.L.           | 75  |
| F5 | <b>Roof Treatments:</b> Provide materials and workers to treat the roof of the building by using a waterproof (UV resistant) 3mm layer thickness with fiberglass mesh or mat and prime coat. The price includes cleaning, polish, leveling using self levelling cement, treating, and using prime coat before using roof guard and all the required works according to the site engineer.                                                                                                                                                                                                                                | M <sup>2</sup> | 550 |
| F6 | <b>Drain Pipe:</b> Provide materials and fixing galvanized steel pipes 3"dia. For rain water vertical draining from roof with all fittings and accessories, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                 | M.L.           | 12  |

### **LOT 2 Baba Gor Gor School:**

| <b>LOT 2: Construction of Three New Classroom (extension) for Baba Gor Gor School in Bayijan</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| #                                                                                                | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit           | Quantity |
| <b>A</b>                                                                                         | <b>Earth Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |          |
| A1                                                                                               | <b>Site Preparation and Cutting:</b> Removal of debris, grading, leveling to the appropriate level clearance of area not less than 25 cm deep, and installing markers; the works should be done according to section (2) of I.G.T.S and for any depth of cutting or Removing of Debris required for all the area must be according to drawings and instructions of the site engineer, cleaning the site and transporting resulting materials (Debris) to an appropriate location outside municipalities border and approved by the site engineer. | M <sup>2</sup> | 180      |
| A2                                                                                               | <b>Excavation works</b> Excavation in all types of soils (even rock layers, asphalt, or existing foundation concretes), with dimensions 0.8 m depth and 1.0m width, and the price includes compaction of the excavation base by using compactor according to requirements of section 2 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                              | M <sup>3</sup> | 55       |
| A3                                                                                               | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for                                                                                                                                                                     | M <sup>3</sup> | 50       |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |     |
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|          | garage and play yard must be not less than 90% MDD, and using anti termite chemical (cloredin) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |     |
| <b>B</b> | <p><b>CONCRETE WORKS:</b> Including supply of materials (steel reinforcement, connection steel wires, cement, aggregate, water, sand, plastic cover for fixing the steel reinforcement in the proper level, bolts, nuts, washers, G. I. pipes, cutter machines, binder machine, etc.), and all necessary works, according to the section (600) of I.G.T.S, drawings and instructions of the site engineer.</p> <p>Note:</p> <p>1- Use new plywood for all support for wooden forms work, with Adjustable Steel Scaffolding Props and Formwork Jack Support.</p> <p>2- <math>F_y = 276 \text{ Mpa}</math> for 10mm,12mm steel bars. <math>F_y = 414 \text{ Mpa}</math> for 16mm,20mm, and 25mm steel bars.</p> <p>3. Allowable bearing capacity of soil = 100 KN / m<sup>2</sup> (assumed).</p> <p>5. the reinforcement details should be according to ACI detailing manual 2004.</p> <p>6. New Plywood or standard formworks must be used for all structural parts.</p> |                |     |
| B1       | <b>Lean Concrete:</b> Supply materials and cast plain concrete class (C10) 1:3:6 ,10 cm (min. thickness) under the foundation and laying two layers of thick nylon. (The nylon should also cover the sides of excavation walls and extend on land for 50cm to both sides of excavation).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <sup>3</sup> M | 6   |
| B2       | <b>Reinforced Concrete for Strip Foundation and Footing:</b> Supplying materials and casting reinforced concrete for Wall foundations with dimension 0.80m width and 0.40m deep,using concrete compressive strength 25 Mpa for 28 days over a layer of thick nylon . (The nylon should cover the sides of excavation walls and extend on land to both sides of excavation) . The price includes all necessary works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <sup>3</sup> M | 17  |
| B3       | <b>Slab Reinforced Concrete:</b> Provide all materials and cast reinforced concrete (ready mix C 25) for the slabs with 20cm thickness, parapets, fair-faced, stairs, windows decorate, the work includes concrete all around slab apron kerb (marad tayar) (ready mix C 25), with Hight 20 cm and width 20cm according to the drawings, specifications and instructions of site engineer.<br>Note: All the roofs must be treated and smoothened by using a copter instrument.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 32  |
| B4       | <b>Beams and Tie Beams Concrete:</b> Supplying materials and casting reinforced concrete for beams and tie beams, column, and lintel according to the details for different sections using concrete compressive strength ( $f_{cu} = 25 \text{ MPa}$ ) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <sup>3</sup> M | 16  |
| B5       | <b>Walk Way Concrete:</b> Supply material and cast plain concrete for foundation of walk way, with minimum compressive strength ( $f_{cu} = 21 \text{ MPa}$ ) for 28 days cube test, min.20 cm thick over a layer of thick nylon the slump limit of concrete must not exceed 70mm .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <sup>3</sup> M | 3   |
| B6       | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness under porcelain and walkway with Compressive strength of 28 days 210 kg/cm <sup>2</sup> (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages.                                                                                                                                                                                                                                                                                                                                                                                                          | <sup>2</sup> M | 200 |
| <b>C</b> | <p><b>Masonry works:</b> Including provision of material, pointing, curing with all necessary work according to section (500) of I.G.T.S &amp; instructions of Supervisor Engineer. the cost include (40) cm reinforcement steel bars (12) mm. min. (10) cm fixed after drill in columns and (30) cm in wall the height between two bars (50) cm for all intersection between wall and column to support walls and All works to be executed according to the Drawings and specification of site Engineer, making expansion joint every (6m) with thickness 25mm with using of 25mm thickness compressed Polystyrene sheets.</p>                                                                                                                                                                                                                                                                                                                                         |                |     |

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| C1       | <b>Solid Concrete Blocks (15x20x40) cm Works:</b> Supplying materials & construction of walls with solid concrete blocks (15x20x40) cm and cement sand mortar (1:3) under DPC according to specifications according to instructions of the site engineer with all necessary work.                                                                                                                                                                                                                                                                                                                                                                                                              | <sup>3</sup> M | 23 |
| C2       | <b>Hollow Concrete Blocks (30x30x20) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (30x30x20) cm. and cement sand mortar (1:3). According to specifications according to instructions of the site engineer with all necessary work.                                                                                                                                                                                                                                                                                                                                                                                                                    | <sup>3</sup> M | 50 |
| C3       | <b>Concrete Block Works for Parapet:</b> Supplying materials and constructing of Block walls using (40X12X20) cm with cement mortar (1:3) according to specifications, for all Internal walls, with the instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <sup>3</sup> M | 3  |
| C4       | <b>Solid Concrete Blocks (15x20x40) cm Works for Walkway:</b> Supplying materials & construction of walkway walls with solid concrete blocks (15x20x40) cm and cement sand mortar (1:3) under DPC according to specifications according to instructions of the site engineer with all necessary work.                                                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 5  |
| <b>D</b> | <b>ELECTRICAL INSTALLATIONS:</b> Electrical points, including provision and installation of all wiring (using excellent Jordanian type, KSA made or equivalent) of wires 1.5 mm <sup>2</sup> for illumination and 2.5 mm <sup>2</sup> for the rest), inside Egyptian PVC conduits 20-25 mm with thickness 1.8mm galvanized boxes 0.9 mm thickness cables should be laid inside PVC pipes, all materials should be new. All works should be done according to specifications and standard IEC76 and the instruction of a supervisor engineer.                                                                                                                                                   |                |    |
| D1       | Supply material, installation, and operation test of Electric items below flush mounting by using 1*1.5mm <sup>2</sup> , 1*2.5mm <sup>2</sup> , and 1*4mm <sup>2</sup> single core wires cable Jordanian made installed inside heavy duty PVC (20mm&25mm dia. 1.8mm thickness conduits, circular junction box, square GI box 1mm, adapter, couplings with all accessories) the work also include switch and all requirement to implement the work entirely. (Note: lighting, fan & exhaust fan installed by 2*1*2.5mm <sup>2</sup> wires, while 13, 15 sockets installed by 3*1*2.5mm <sup>2</sup> in 20mm conduits, and 20A switch installed by 3*1*4mm <sup>2</sup> wires in 25mm conduits). |                |    |
| D1.1     | Supply and install and test simple spot lighting fixture 22watt LED, with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off all (2-3) lamp controlled by Two switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No.            | 30 |
| D1.2     | Supply and install and test Exterior Lighting fixture Bracket Lamp, wall mounting, waterproof, die cast iron frame with bulkhead glass and 60Watt Philips bulb and indoor lighting, with switch on/off all (2-3) lamp controlled by Two switch due to electrical engineers advice.                                                                                                                                                                                                                                                                                                                                                                                                             | No.            | 8  |
| D1.3     | Supply and install and test Exhausted fan 6" for WC (Japanese, Malaysian quality or equivalent) inside window glass with 486 m <sup>3</sup> /h discharge. The price includes installing the electric switch with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No.            | 2  |
| D1.4     | Supply and install and test Ceiling fan with regulator (Panasonic or equivalent) with switch and all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No.            | 3  |
| D1.5     | Supply and install and test 13 A Switch Socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No.            | 6  |
| D1.6     | Supply and install and test 32 Amp switch (Grid switch) with indicator lamp for boilers & Split.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No.            | 1  |
| D2       | POWER CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |    |
| D2.1     | Supply and install and test Cable (4x1+6x2) mm <sup>2</sup> Jordanian or Saudi quality or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ML             | 40 |
| D3       | MAIN DISTRIBUTION BOARD-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |    |
| D3.1     | Supply and install and test Sub distribution board (6mbc/1ph), (400V/50Hz) origin brand equipped (6 miniature circuit breakers) (10-16-20-32) Amps no (6), with main MCCB 150A according to the drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No.            | 1  |
| D4       | Supply and install and test Water cooler (UGUR or equivalent)) 75 litter, white color iron frame prefabricated, the price includes electrical connection and all other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No.            | 1  |

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| E  | <b>FINISHING:</b> Including provision of all necessary materials, work, curing. The works should be done according to section 10, & 14 of I.G.T.S, drawings and instructions of site engineer with all necessary works, and use SBR at a rate of 200gr per m2 ,ratio of SBR to water(3-1).                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |      |
| E1 | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash(sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) ) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m2, the price includes fixing steel wire mesh for the edges between walls and columns.                                                                                                                                                                                                                                        | M <sup>2</sup> | 275  |
| E2 | <b>Gypsum plastering:</b> Supplying materials and plastering with gypsum (using approved gypsum by site engineer) in 2 layers minimum thickness 15mm using aluminum straight edges for plastering guides each 80 cm for walls and roofs, corridors, and entrance hall, and the area indicated in the drawings. The price includes cleaning and spreading cement splatter dash (a layer of cement slurry must be applied before plastering) and use SBR for the wall (thermos tone), also fixing steel wire mesh for the edges between walls and columns then using one layer of cement plastering for covering the wire mesh.                                                                                              | M <sup>2</sup> | 250  |
| E3 | <b>Porcelain Tiles:</b> Supply materials and paving Porcelain Floor Tiles (60x60 cm) or (60x120 cm) ,14mm thickness (sample should be provided for approval) for classroom and W.C. Wear-resistant, Non-slip, Acid-resistant, Low water-absorption 0.5% with all necessary works on a layer of cement sand mortar 1:3 mix ratio,The price includes cleaning the porcelain after the end of the works. The work includes using cement mortar and sealing the joints with white cement & lime grout and SPR color if required mixture) , making 1.0 cm expansion joint each 25m2 filling with flexible epoxy,all required works should be carried out according to the attached drawing and supervisor engineer instruction. | M <sup>2</sup> | 110  |
| E4 | <b>Ceramic Tile Work:</b> supply materials and erection of ceramic tiles (as sample approved) using (first class) on two-layer of plastering of cement mortar (1: 2) using straight edge for toilet walls, above all washbasins and baths walls, kitchens according to the site engineer. Using tile adhesive materials (Kalakem flex type). The price includes removing the existing tiles and cement mortar before erecting new ceramic, coating backside of the tiles by a layer of cement splatter dash using SBR.                                                                                                                                                                                                     | M <sup>2</sup> | 25   |
| E5 | <b>Skirting:</b> supply materials and skirting using Chinese Granite Type (approved type & color) with 10cm height according to the instructions of site engineer for indicated places according to the drawing. (Note: Both outer surfaces of the skirting and gypsum plastering should be coincided vertically).                                                                                                                                                                                                                                                                                                                                                                                                         | M.L.           | 75   |
| E6 | <b>Acrylic Internal Paint:</b> Provide materials and Painting with Acrylic painting (sample should be provided for approval), painting and color approved by the site engineer, three layers for the rooms, corridors, areas indicated in the drawings (inside the building) or indicated by the site engineer. The works should be done according to specification, the drawings and instructions of the site engineer. Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                            | M <sup>2</sup> | 2000 |
| E7 | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove made, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings and instructions of the site engineer. Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                                       | M <sup>2</sup> | 275  |
| E8 | <b>Gypsum False Ceiling:</b> Provide materials and fixing gypsum false ceiling 60*60cm for the Administration part and Hall or the places that indicate by the site engineer. The price includes hanging beams (Skka 38 mm height) every 120cm by, screw, rode steel fisher, rode 3mm, connecting the beams by skka 120cm,60cm long (32mm height) and all necessary works.                                                                                                                                                                                                                                                                                                                                                 | M <sup>2</sup> | 105  |

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| <b>F</b> | <b>Doors &amp; Windows:</b> Providing all necessary materials and installing doors according to sections 11, 12, 13 of I.G.T.S, details, and instructions of site engineer with all necessary works, prior samples should be approved by site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |     |
| F1       | <b>Metal Modern Doors (Qasa):</b> Provide and install metal doors (Qasa not less than 60mm thickness of the door leaf ) well-known brand modern design for the rooms double-faced of sheet plate thickness 1.25mm with dimension(2.50x1.0)m, above 6mm glass window, including special switch, gate lock, 3 reinforced hinges, door stopper, rubber, polycarbonate, special guard bar, air bay seal, door viewer to see outside, Anti-rust steel thermal paint glossy color, termite proof, moisture and weatherproof, steel frames 6*22cm, high secured with 2 locking points, with all necessary works according to the details and instructions of the site engineer.                                    | No.            | 3   |
| F2       | <b>Steel Guard Bars:</b> Provide and install metal guard bars windows, with primer and two layers of oil paint, using square corrugated bar 12 x 12 mm welded inside an angle frame 1.25"*1.25"*3mm, fixed by screw and fisher to the wall.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | M <sup>2</sup> | 16  |
| F3       | <b>Aluminum Windows:</b> Supply material and install Aluminum windows wide section high type 2mm thickness, fixing 4x3cm 3mm thickness steel pipes frame to the wall, Double glass pan (4mm+4mm) thickness, ordinary or mushajar, rubber, handle, the price includes flywire mesh for opening Areas, the work includes using EKOPLAST paste, cleaning the glasses by machine before composing.                                                                                                                                                                                                                                                                                                              | M <sup>2</sup> | 16  |
| F4       | <b>Doors Repair Work:</b> Supply materials and all required work for repairing the existing doors. The work includes a switch (Italian quality or equivalent-three locks), gate lock, door stopper, frames, rubber, handle, painting the door primer, and two layers of oil paint.                                                                                                                                                                                                                                                                                                                                                                                                                          | No.            | 25  |
| <b>G</b> | <b>Sanitary (Plumbing) Installation:</b> Includes supply and installation of materials, pipes, all kinds of fittings, valves, mixers, bibcock taps, P-traps, gullies with cover, supports, hangers, plug and clips, all excavation with backfilling, placing concrete 1:2:4 under and around pipes, manpower for the installation and internal connection of the water system to hot and cold water and to the main water supply system. All water pipes should be Polypropylene (PPR) Composite water pipes of min. 3 Layers side walls . Note: All materials should be approved, the work of external water connection (3/4" dia.) includes repairing (if any) all Asphalt.                               |                |     |
| G1       | <b>Composite PPR Water Pipes 25 mm:</b> Supply and install water pipes of OD 25 mm, PN 16 the price includes all fittings and accessories, excavation (required depth), backfilling with all necessary works for cold water. With painting by anti-rust paint for galvanized only.                                                                                                                                                                                                                                                                                                                                                                                                                          | M.L.           | 30  |
| G2       | <b>Water tank (1 m3):</b> Supply and install a new of UV-resistant HDPE vertical water tank, food grade with top/open solid cover and solid body of Triple/3 Layers (Outer Layer for maintain water temperature, middle Layer for sunlight protection/UV resistance and inner layer for algae & odor protection), blue color externally, 2-inch cooper/brass embedded outlet with overflow, manufactured from 100% virgin raw material not recycled (Polyethylene high density) ,the price including tank steel base and using sandwich panel of 5 cm thick and suitable size under the tank, all piping and fittings, Valves, float valves, Type according to the drawing and instruction of site engineer | No.            | 4   |
| G3       | <b>Roof Treatments:</b> Provide materials and workers to treat the roof of the building using waterproof (UV resistant) 3mm layer thickness with fiberglass mesh or mat and prime coat. The price includes cleaning, polishing, leveling using self-leveling cement treating and using prime coat before using roof guard and all the required works according to the site engineer.                                                                                                                                                                                                                                                                                                                        | M <sup>2</sup> | 200 |

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| G4 | <b>Shade Area:</b><br>Columns: Install iron hollow section square pipe or circular sized 100x100x3.0 mm of approved brand and quality and fixing it on the ground excavation 50x50x60 cm cutting with concrete. The height of the columns is 3m and it will be painted with a layer of anti-rust paint and two layers of oil paint, the work includes concreting also (Welding, washers, nuts, bolts)<br>Truss Roof structure: The roof structure should be truss made of hollow section 80x40x2mm & 40*40*2mm, 5*3*2mm steel in approved quality and fixing. the structure will be painted with a layer of anti-rust paint and two layers of oily blue colour paint.<br>Roofing: The roofing consists of steel structure and corrugated iron sheet trapezoidal shape (gauge 18), fixed on the purlins by screw. with all necessary works according to specifications and instructions of site engineer. | M <sup>2</sup> | 42 |
| G5 | <b>Drain Pipe:</b> Provide materials and fixing galvanized steel pipes 3"dia. For rain water vertical draining from roof with all fittings and accessories, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | M.L.           | 20 |

### **LOT 2 Rastgo School**

| <b>LOT 2: Construction of Four new (5 X 7) m Classrooms (extension) for Rastgo School in Bazyan</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |          |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| #                                                                                                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Unit           | Quantity |
| <b>A</b>                                                                                            | <b>Earth Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |          |
| A1                                                                                                  | <b>Site Preparation and Cutting:</b> Removal of debris, grading, levelling to the appropriate level clearance of area not less than 35 cm deep ,and installing markers, the works should be done according to section (2) of I.G.T.S and for any depth of cutting or Removing of Debris required for all the area must be according to drawings and instructions of the site engineer , cleaning the site and transporting resulting materials (Debris) to an appropriate location outside municipalities border and approved by the site engineer.                                                                                                                                                                                                                                                                                                                            | M <sup>2</sup> | 400      |
| A2                                                                                                  | <b>Excavation works:</b> Excavation in all types of soils (even rock layers, asphalt or existing foundation concretes), with dimensions 1.0m depth and 1.0m width and, the price includes compaction of the excavation base by using compactor according to requirements of section 2 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | M <sup>3</sup> | 52       |
| A3                                                                                                  | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for garage and play yard must be not less than 90% MDD, and using anti termite chemical (cloreddin) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers.                                                                                                                                                                                                                                    | M <sup>3</sup> | 50       |
| <b>B</b>                                                                                            | <b>CONCRETE WORKS:</b> Including supply of materials (steel reinforcement, connection steel wires, cement, aggregate, water, sand, plastic cover for fixing the steel reinforcement in the proper level, bolts, nuts, washers, G. I. pipes, cutter machines, binder machine, etc.), and all necessary works, according to the section (600) of I.G.T.S, drawings and instructions of the site engineer.<br>Note:<br>1- Use new plywood for all support for wooden forms work, with Adjustable Steel Scaffolding Props and Formwork Jack Support.<br>2- Fy = 276 Mpa for 10mm,12mm steel bars. FY=414Mpa for 16mm,20mm, and 25mm steel bars.<br>3. Allowable bearing capacity of soil = 100 KN / m2 (assumed).<br>5. the reinforcement details should be according to ACI detailing manual 2004.<br>6. New Plywood or standard formworks must be used for all structural parts. |                |          |

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| B1 | <b>Lean Concrete:</b> Supply materials and cast plain concrete class (C10) 1:3:6 ,10 cm (min. thickness) under the foundation and laying two layers of thick nylon. (The nylon should also cover the sides of excavation walls and extend on land for 50cm to both sides of excavation).                                                                                                                                                                                                                                                                                                                             | <sup>3</sup> M | 6   |
| B2 | <b>Reinforced Concrete for Strip Foundation and Footing:</b> Supplying materials and casting reinforced concrete for Wall foundations, column & stair footing, using concrete compressive strength 25 Mpa for 28 days over a layer of thick nylon. (The nylon should cover the sides of excavation walls and extend on land to both sides of excavation). The price includes all necessary works.                                                                                                                                                                                                                    | <sup>3</sup> M | 23  |
| B3 | <b>Slab Reinforced Concrete:</b> Provide all materials and cast reinforced concrete (ready mix C 25) for the slabs with 20cm thickness, parapets, fair-faced, stairs, windows decorate, the work includes concrete all around slab apron kerb (marad tayar) (ready mix C 25), with Hight 20 cm and width 20cm according to the drawings, specifications and instructions of site engineer. Note: All the roofs must be treated and smoothened by using a copter instrument.                                                                                                                                          | <sup>3</sup> M | 36  |
| B4 | <b>Beams and Tie Beams Concrete:</b> Supplying materials and casting reinforced concrete for beams, tie beams and lintel according to the details for different sections using concrete compressive strength (fcu=25 MPa) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                                                                                                                                                                                 | <sup>3</sup> M | 29  |
| B5 | <b>Walk Way Concrete:</b> Supply material and cast plain concrete for foundation of walk way, with minimum compressive strength (fcu=21 MPa) for 28 days cube test, min.15 cm thick over a layer of thick nylon the slump limit of concrete must not exceed 70mm.                                                                                                                                                                                                                                                                                                                                                    | <sup>3</sup> M | 1   |
| B6 | <b>Parking Concrete:</b> Supply material and casting 15 cm thick using concrete compressive strength 21 Mpa for 28 days for the side walkway and apron area, using BRC (15*15) cm 6mm, chamfered the edges, joints according to the instruction of the site engineer and must using helicopter and monoshake EXTRA for grinding and using square steel pipes for levelling and formworks in stages according to the instruction of the site engineer.                                                                                                                                                                | <sup>2</sup> M | 166 |
| B7 | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness under tiles with Compressive strength of 28 days 210 kg/cm <sup>2</sup> (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages.                                                                       | <sup>2</sup> M | 154 |
| C  | <b>Masonry works:</b> Including provision of material, pointing, curing with all necessary work according to section (500) of I.G.T.S & instructions of Supervisor Engineer. the cost include (40) cm reinforcement steel bars (12) mm. min. (10) cm fixed after drill in columns and (30) cm in wall the height between two bars (50) cm for all intersection between wall and column to support walls and All works to be executed according to the Drawings and specification of site Engineer, making expansion joint every (6m) with thickness 25mm with using of 25mm thickness compressed Polystyrene sheets. |                |     |
| C1 | <b>Solid Concrete Blocks (15x20x40) cm Works:</b> Supplying materials & construction of walls with solid concrete blocks (15x20x40) cm and cement sand mortar (1:3) under DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                            | <sup>3</sup> M | 23  |
| C2 | <b>Hollow Concrete Blocks (20x20x40) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (20x20x40) cm for walkway. and cement sand mortar (1:3). according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                      | <sup>3</sup> M | 4   |
| C3 | <b>Hollow concrete Blocks (30x30x20) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (30x30x20) cm and cement sand mortar (1:3) above DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 81  |
| C4 | <b>Concrete Block Works for Parapet:</b> Supplying materials and constructing of Block walls using (40X12X20) cm for parapet, with cement mortar (1:3) according to specifications, for all                                                                                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 13  |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |     |
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|          | Internal walls, with the instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |     |
| <b>D</b> | <b>ELECTRICAL INSTALLATIONS:</b> Electrical points, including provision and installation of all wiring (using excellent Jordanian type, KSA made or equivalent) of wires 1.5 mm <sup>2</sup> for illumination and 2.5 mm <sup>2</sup> for the rest), inside Egyptian PVC conduits 20-25 mm with thickness 1.8mm galvanized boxes 0.9 mm thickness cables should be laid inside PVC pipes, all materials should be new. All works should be done according to specifications and standard IEC76 and the instruction of a supervisor engineer.                                                                                                                                                                    |                |     |
| D1       | Supply material, installation, and operation test of Electric items below flush mounting by using 1*1.5mm <sup>2</sup> , 1*2.5mm <sup>2</sup> , and 1*4mm <sup>2</sup> single core wires cable Jordanian made installed inside or equivalent, heavy-duty PVC (20mm&25mm dia. 1.8mm thickness conduits, circular junction box, square GI box 1mm, adapter, couplings with all accessories) the work also include a switch and all requirement to implement the work entirely. (Note: lighting, fan & exhaust fan installed by 2*1*2.5mm <sup>2</sup> wires, while 13, 15 sockets installed by 3*1*2.5mm <sup>2</sup> in 20mm conduits, and 20A switch installed by 3*1*4mm <sup>2</sup> wires in 25mm conduits). |                |     |
| D1.1     | Simple spot lighting fixture 22watt LED, with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off all (2-3) lamp controlled by one switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No.            | 30  |
| D1.2     | Exterior Lighting fixture Bracket Lamp, wall mounting, waterproof, die cast iron frame with bulkhead glass and 60-Watt Philips bulb and indoor lighting due to electrical engineer's advice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No.            | 10  |
| D1.3     | Ceiling fan with regulator (Panasonic brand or equivalent) with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No.            | 4   |
| D1.4     | Exhaust fan, (sinar type) size 12" dia., wall mounting plastic case with wooden frame and fly mesh protection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No.            | 4   |
| D1.5     | 13 A Switch Socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No.            | 10  |
| D2       | POWER CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |     |
| D2.1     | Cable 4x16 +2mm, the price includes provide and install 2" GI pipe 3m Hight.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M.L            | 40  |
| D3       | MAIN DISTRIBUTION BOARD-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |     |
| D3.1     | Sub distribution board (400V/50Hz) equipped (12 miniature circuit breakers) (16-20-32) Amps, with main MCCB 150A according to the drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No.            | 1   |
| D4       | Water cooler (UGUR) 75 liters, white color iron frame prefabricated, the price includes electrical connection and all other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No.            | 1   |
| <b>E</b> | <b>FINISHING:</b> Including provision of all necessary materials, work, curing. The works should be done according to section 10, & 14 of I.G.T.S, drawings, and instructions of site engineer with all necessary works and use SBR at a rate of 200gr per m <sup>2</sup> , ratio of SBR to water (3-1).                                                                                                                                                                                                                                                                                                                                                                                                        |                |     |
| E1       | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash (sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m <sup>2</sup> , the price includes fixing steel wire mesh for the edges between walls and columns.                                                                                                                                                                                                                 | M <sup>2</sup> | 182 |
| E2       | <b>Gypsum plastering:</b> Supplying materials and plastering with gypsum (using approved gypsum by site engineer) in 2 layers minimum thickness 15mm using aluminum straight edges for plastering guides each 80 cm for walls and roofs, corridors, and entrance hall, and the area indicated in the drawings. The price includes cleaning and spreading cement splatter dash (a layer of cement slurry must be applied before plastering) and use SBR for the wall (thermos tone), also fixing steel wire mesh for the edges between walls and columns then using one layer of cement plastering for covering the wire mesh.                                                                                   | M <sup>2</sup> | 334 |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |      |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|
| E3       | <b>Porcelain Tiles:</b> Supply materials and paving Porcelain Floor Tiles (60x60 cm) or (60x120 cm) ,14mm thickness made (sample should be provided for approval) Wear-resistant, Non-slip, Acid-resistant, Low water-absorption 0.5% with all necessary works on a layer of cement sand mortar 1:3 mix ratio, the price includes cleaning the porcelain after the end of the works. The work include using cement mortar and sealing the joints with white cement & lime grout and SPR color if required mixture) , making 1.0 cm expansion joint each 25m2 filling with flexible epoxy ,all required works should be carried out according to the attached drawing and supervisor engineer instruction. | M <sup>2</sup> | 155  |
| E5       | <b>Skirting:</b> supply materials and skirting using Chinese Granite Type (approved type & color) with 12cm height according to the instructions of site engineer for indicated places according to the drawing. (Note: Both outer surfaces of the skirting and gypsum plastering should be coincided vertically).                                                                                                                                                                                                                                                                                                                                                                                        | M.L.           | 110  |
| E6       | <b>Acrylic Internal Paint:</b> Provide materials and Painting with Acrylic painting (sample should be provided for approval), painting and color approved by the site engineer, three layers for the rooms, corridors, areas indicated in the drawings (inside the building) or indicated by the site engineer. The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                        | M <sup>2</sup> | 2350 |
| E7       | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove made, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                   | M <sup>2</sup> | 200  |
| E8       | <b>Satin Painting 120 cm:</b> Provide materials and Painting 120 cm Hight with satin painting (sample should be provided for approval) painting and color approved by the site engineer) three layers for the areas indicated in the drawings (for walls).                                                                                                                                                                                                                                                                                                                                                                                                                                                | M <sup>2</sup> | 140  |
| E9       | <b>Gypsum False Ceiling:</b> Provide materials and fixing gypsum false ceiling 60*60cm for the Administration part and Hall or the places that indicate by the site engineer. The price includes hanging beams (Skka 38 mm height) every 120cm by, screw, rode steel fisher, rode 3mm, connecting the beams by skka 120cm,60cm long (32mm height) and all necessary works.                                                                                                                                                                                                                                                                                                                                | M <sup>2</sup> | 250  |
| E10      | <b>Curtain:</b> Provide materials and install stand curtain (Zebra Type) approved materials with all accessors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | M <sup>2</sup> | 33   |
| <b>F</b> | Doors & Windows: Providing all necessary materials and installing doors according to sections 11, 12, 13 of I.G.T.S, details, and instructions of site engineer with all necessary works, prior samples should be approved by site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |      |
| F1       | <b>Metal Modern Doors (Qasa):</b> Provide and install metal doors (Qasa not less than 60mm thickness of the door leaf ) well-known brand modern design for the rooms double-faced of sheet plate thickness 1.25mm, including special switch, 6mm glass pan , gate lock, 3 reinforced hinges ,door stopper, rubber, polycarbonate, special guard bar, air bay seal, door viewer to see outside, Anti-rust steel thermal paint glossy color, termite proof , moisture and weather proof , steel frames 6*22cm ,high secured with 2 locking points, with all necessary works according to the details and instructions of the site engineer.                                                                 | M <sup>2</sup> | 5    |
| F2       | <b>Steel Guard Bars:</b> Provide and install metal guard bars windows, with primer and two layers of oil paint, using square corrugated bar 12 x 12 mm welded inside an angle frame 1.25"*1.25"*3mm, fixed by screw and fisher to the wall.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | M <sup>2</sup> | 31   |
| F3       | <b>Aluminum Windows:</b> Supply material and install Aluminum windows wide section 2mm thickness , fixing 4x3cm 3mm thickness steel pipes frame to the wall ,Double glass pan (4mm+4mm) thickness, ordinary or mushajar , rubber, handle, the price includes flywire mesh for opening Areas, the work includes using EKOPLAST paste, cleaning the glasses by machine before composing.                                                                                                                                                                                                                                                                                                                    | M <sup>2</sup> | 31   |

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| F4 | <b>Composite Wood Doors:</b> Providing and installing standard Composite wooden doors (HDF) Balloon press with dimension 2.5x1.0 m the price includes installing glass pans, switch (Italian made-three locks), gate lock, door stopper, and wooden frames according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                          | No.            | 4   |
| F5 | <b>MDF PANEL:</b> Using MDF (Medium Density Fiber) 18 mm thickness and 20cm width with all necessary chamfered the edges, fixing according to the specifications, Fixed at 65cm from the F.F.L. with the instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                      | M.L.           | 80  |
| F6 | <b>Student Desk:</b> Supply and install student desk well-known brand and origin (Vana or EKHLAS or Sadaf or equivalent brand), dimension (110cmX45cm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No.            | 50  |
| F7 | <b>Roof Treatments:</b> Provide materials and workers to treat the roof of the building by using waterproof (UV resistant) 3mm layer thickness with fiberglass mesh or mat and prime coat. the price includes cleaning, polish, levelling using self levelling cement treating and using prime coat before using roof guard and all the required works according to the site engineer.                                                                                                                                                                                                                                                                                           | M <sup>2</sup> | 200 |
| F8 | <b>Drain Pipe :</b> Provide materials and fixing galvanized steel pipes 3"dia. For rain water vertical draining from roof with all fittings and accessories, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | M.L.           | 80  |
| F9 | <b>Water tank (1 m3):</b> Supply and install a new of UV-resistant HDPE vertical water tank, food grade with top/open solid cover and solid body of Triple/3 Layers (Outer Layer for maintain water temperature, middle Layer for sunlight protection/UV resistance and inner layer for algae & odor protection), blue color externally, 2-inch cooper/brass embedded outlet with overflow, manufactured from 100% virgin raw material not recycled (Polyethylene high density) including tank steel base by using sandwich panel of 5 cm thick and suitable size, all piping and fittings, Valves, float valves, Type according to the drawing and instruction of site engineer | No.            | 4   |

### **LOT3 Kinda Suray School**

| <b>LOT 3: Construction of Two new (7 X 5) m Classrooms+ 2 WC (extension) for Kinda Suray School</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |          |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| #                                                                                                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unit           | Quantity |
| <b>A</b>                                                                                            | <b>Earth Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |          |
| A1                                                                                                  | <b>Site Preparation and Cutting:</b> Removal of debris, grading, levelling to the appropriate level clearance of area not less than 35 cm deep ,and installing markers, the works should be done according to section (2) of I.G.T.S and for any depth of cutting or Removing of Debris required for all the area must be according to drawings and instructions of the site engineer , cleaning the site and transporting resulting materials (Debris) to an appropriate location outside municipalities border and approved by the site engineer.                                                                                          | L.S.           | 1        |
| A2                                                                                                  | <b>Excavation works:</b> Excavation in all types of soils (even rock layers, asphalt or existing foundation concretes), with dimensions 1.0m depth and 1.0m width and, the price includes compaction of the excavation base by using a compactor according to requirements of section 2 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                                                                                                                        | M <sup>3</sup> | 63       |
| A3                                                                                                  | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for garage and play yard must be not less than 90% MDD, and using anti termite chemical (cloredidin) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers. | M <sup>3</sup> | 120      |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|
| B  | <b>CONCRETE WORKS:</b> Including supply of materials (steel reinforcement, connection steel wires, cement, aggregate, water, sand, plastic cover for fixing the steel reinforcement in the proper level, bolts, nuts, washers, G. I. pipes, cutter machines, binder machine, etc.), and all necessary works, according to the section (600) of I.G.T.S, drawings and instructions of the site engineer.<br>Note:<br>1- Use new plywood for all support for wooden forms work, with Adjustable Steel Scaffolding Props and Formwork Jack Support.<br>2- $F_y = 276 \text{ Mpa}$ for 10mm,12mm steel bars. $FY=414\text{Mpa}$ for 16mm,20mm, and 25mm steel bars.<br>3. Allowable bearing capacity of soil = $100 \text{ KN / m}^2$ (assumed).<br>5. the reinforcement details should be according to ACI detailing manual 2004.<br>6. New Plywood or standard formworks must be used for all structural parts. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |
|    | B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Lean Concrete:</b> Supply materials and cast plain concrete class (C10) 1:3:6 ,10 cm (min. thickness) under the foundation and laying two layers of thick nylon. (The nylon should also cover the sides of excavation walls and extend on land for 50cm to both sides of excavation).                                                                                                                                                                                       | <sup>3</sup> M | 70  |
|    | B2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Reinforced Concrete for Strip Foundation and Footing:</b> Supplying materials and casting reinforced concrete for Wall foundations, column & stair footing, using concrete compressive strength 25 Mpa for 28 days over a layer of thick nylon. (The nylon should cover the sides of excavation walls and extend on land to both sides of excavation) . The price includes all necessary works.                                                                             | <sup>3</sup> M | 19  |
|    | B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Slab Reinforced Concrete:</b> Provide all materials and cast reinforced concrete (ready mix C 25) for the slabs with 20cm thickness, parapets, fair-faced, stairs, windows decorate, the work includes concrete all around slab apron kerb (marad tayar) (ready mix C 25), with Hight 20 cm and width 20cm according to the drawings, specifications and instructions of site engineer.<br>Note: All the roofs must be treated and smoothened by using a copter instrument. | <sup>3</sup> M | 25  |
|    | B4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Beams and Tie Beams Concrete:</b> Supplying materials and casting reinforced concrete for beams and tie beams and lintel according to the details for different sections using concrete compressive strength ( $f_{cu}=25 \text{ MPa}$ ) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                         | <sup>3</sup> M | 10  |
|    | B5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Walk Way Concrete:</b> Supply material and cast plain concrete for foundation of walk way, with minimum compressive strength ( $f_{cu}=21 \text{ MPa}$ ) for 28 days cube test, min.15 cm thick over a layer of thick nylon the slump limit of concrete must not exceed 70mm .                                                                                                                                                                                              | <sup>2</sup> M | 44  |
|    | B6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Parking Concrete:</b> Supply material and casting 15 cm thick using concrete compressive strength 21 Mpa for 28 days for the side walkway and apron area, using BRC (15*15) cm 6mm, chamfered the edges, joints according to the instruction of the site engineer and must using helicopter and monoshake EXTRA for grinding and using square steel pipes for levelling and formworks in stages according to the instruction of the site engineer.                          | <sup>2</sup> M | 145 |
| B7 | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness under porcelain with Compressive strength of 28 days 210 kg/cm2 (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages.                                                                                                                                                                                                                                                                                                                                                                        | <sup>2</sup> M                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 150            |     |
| C  | <b>Masonry works:</b> Including provision of material, pointing, curing with all necessary work according to section (500) of I.G.T.S & instructions of Supervisor Engineer. the cost include (40) cm reinforcement steel bars (12) mm. min. (10) cm fixed after drill in columns and (30) cm in wall the height between two bars (50) cm for all intersection between wall and column to support walls and All works to be executed according to the Drawings and specification of site Engineer, making expansion joint every (6m) with thickness 25mm with using of 25mm thickness compressed Polystyrene sheets.                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |

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| C1   | <b>Solid Concrete Blocks (15x20x40) cm Works:</b> Supplying materials & construction of walls with solid concrete blocks (15x20x40) cm and cement sand mortar (1:3) under DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <sup>3</sup> M | 28  |
| C2   | <b>Hollow Concrete Blocks (20x20x40) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (20x20x40) cm. and cement sand mortar (1:3). according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <sup>3</sup> M | 6   |
| C3   | <b>Hollow concrete Blocks (30x30x20) cm Works:</b> Supplying materials & construction of walls with hollow concrete blocks (30x30x20) cm and cement sand mortar (1:3) above DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <sup>3</sup> M | 70  |
| C4   | <b>Concrete Block Works for Parapet:</b> Supplying materials and constructing of Block walls using (40X12X20) cm with cement mortar (1:3) according to specifications, for all Internal walls, with the instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <sup>3</sup> M | 5   |
| D    | <b>ELECTRICAL INSTALLATIONS:</b> Electrical points including provision and installation of all wiring (using excellent Jordanian type or KSA made or equivalent) of wires 1.5 mm <sup>2</sup> for illumination and 2.5 mm <sup>2</sup> for the rest), inside Egyptian PVC conduits 20-25 mm with thickness 1.8mm galvanized boxes 0.9 mm thickness cables should be laid inside PVC pipes, all materials should be new. All works should be done according to specifications and standard IEC76 and the instruction of a supervisor engineer.                                                                                                                                                               |                |     |
| D1   | Supply material, installation, and operation test of Electric items below flush mounting by using 1*1.5mm <sup>2</sup> , 1*2.5mm <sup>2</sup> , and 1*4mm <sup>2</sup> single core wires cable Jordanian made or equivalent installed inside heavy duty PVC (20mm&25mm dia. 1.8mm thickness conduits, circular junction box, square GI box 1mm, adapter, couplings with all accessories) the work also include switch and all requirement to implement the work entirely. (Note: lighting, fan & exhaust fan installed by 2*1*2.5mm <sup>2</sup> wires, while13, 15 sockets installed by 3*1*2.5mm <sup>2</sup> in 20mm conduits, and 20A switch installed by 3*1*4mm <sup>2</sup> wires in 25mm conduits). |                |     |
| D1.1 | Simple spot lighting fixture 22-watt LED, with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off all (2-3) lamp controlled by one switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No.            | 18  |
| D1.2 | Exterior Lighting fixture Bracket Lamp, wall mounting, waterproof, die cast iron frame with bulkhead glass and 60Watt Philips bulb and indoor lighting due to electrical engineer's advice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No.            | 8   |
| D1.3 | Ceiling fan with regulator (Panasonic brand or equivalent) with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No.            | 3   |
| D1.4 | 13 A Switch Socket outlet MK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No.            | 6   |
| D1.5 | 32 Amp switch (Grid switch) with indicator lamp for boilers & split.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No.            | 1   |
| D2   | POWER CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |
| D2.1 | Cable4x16 +2mm, the price includes provide and install 2" GI pipe 3m Hight.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ML             | 40  |
| D3   | MAIN DISTRIBUTION BOARD-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |     |
| D3.1 | Sub distribution board (400V/50Hz) origin mark equipped (12 miniature circuit breakers) (16-20-32) Amps with main MCCB 150A according to the drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No.            | 1   |
| D4   | Water cooler (UGUR) 75 litter, white color iron frame prefabricated, the price includes electrical connection and all other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No.            | 1   |
| E    | <b>FINISHING:</b> Including provision of all necessary materials, work, curing. The works should be done according to section 10, & 14 of I.G.T.S, drawings and instructions of site engineer with all necessary works, and use SBR at a rate of 200gr per m <sup>2</sup> , ratio of SBR to water(3-1).                                                                                                                                                                                                                                                                                                                                                                                                     |                |     |
| E1   | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash(sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) ) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m <sup>2</sup> , the price includes fixing steel wire mesh for the edges between walls and columns.                                                                                                                                                                                                            | M <sup>2</sup> | 250 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |      |
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| E2 | <b>Gypsum plastering:</b> Supplying materials and plastering with gypsum (using approved gypsum by site engineer) in 2 layers minimum thickness 15mm using aluminum straight edges for plastering guides each 80 cm for walls and roofs, corridors, and entrance hall, and the area indicated in the drawings. The price includes cleaning and spreading cement splatter dash (a layer of cement slurry must be applied before plastering) and use SBR for the wall (thermos tone), also fixing steel wire mesh for the edges between walls and columns then using one layer of cement plastering for covering the wire mesh.                                                                                                                  | M <sup>2</sup> | 200  |
| E3 | <b>Porcelain Tiles:</b> Supply materials and paving Porcelain Floor Tiles (60x60 cm) or (60x120 cm), 14mm thickness made (sample should be provided for approval) for class room and W.C., Wear-resistant, Non-slip, Acid-resistant, Low water-absorption 0.5% with all necessary works on a layer of cement sand mortar 1:3 mix ratio, the price includes cleaning the porcelain after the end of the works. The work includes using cement mortar and sealing the joints with white cement & lime grout and SPR color if required mixture), making 1.0 cm expansion joint each 25m <sup>2</sup> filling with flexible epoxy, all required works should be carried out according to the attached drawing and supervisor engineer instruction. | M <sup>2</sup> | 120  |
| E4 | <b>Ceramic Tile:</b> supply materials and erection of ceramic tiles (as sample approved) using (first class) quality on two-layer of plastering of cement mortar (1: 2) using straight edge for toilet walls, above all washbasins and baths walls, kitchens according to the site engineer. Using tile adhesive materials (Kalakem flex type). The price includes the erection of ceramic belts with suitable height, coating backside of the tiles by a layer of cement splatter dash using SBR.                                                                                                                                                                                                                                             | M <sup>2</sup> | 70   |
| E5 | <b>Skirting:</b> supply materials and skirting using Chinese Granite Type (approved type & color) with 12cm height according to the instructions of site engineer for indicated places according to the drawing. (Note: Both outer surfaces of the skirting and gypsum plastering should be coincided vertically).                                                                                                                                                                                                                                                                                                                                                                                                                             | M.L.           | 55   |
| E6 | <b>Acrylic Internal Paint:</b> Provide materials and Painting with Acrylic painting (sample should be provided for approval), painting and color approved by the site engineer, three layers for the rooms, corridors, areas indicated in the drawings (inside the building) or indicated by the site engineer. The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                             | M <sup>2</sup> | 2000 |
| E7 | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove made, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                                                        | M <sup>2</sup> | 300  |
| E8 | <b>Gypsum False Ceiling:</b> Provide materials and fixing gypsum false ceiling 60*60cm for the Administration part and Hall or the places that indicate by the site engineer. The price includes hanging beams (Skka 38 mm height) every 120cm by, screw, rode steel fisher, rode 3mm, connecting the beams by skka 120cm, 60cm long (32mm height) and all necessary works.                                                                                                                                                                                                                                                                                                                                                                    | M <sup>2</sup> | 110  |
| F  | <b>Doors &amp; Windows:</b> Providing all necessary materials and installing doors according to sections 11, 12, 13 of I.G.T.S, details, and instructions of site engineer with all necessary works, prior samples should be approved by site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |      |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|
| F1 | <b>Metal Modern Doors (Qasa):</b> Provide and install metal doors (Qasa not less than 60mm thickness of the door leaf ) well-known brand modern design for the entrance double-faced of sheet plate thickness 1.25mm, with dimension 2x2.50 m including special switch, gate lock, 3 reinforced hinges ,door stopper, rubber, polycarbonate, special guard bar,air bay seal, door viewer to see outside, Anti-rust steel thermal paint glossy color, termite proof , moisture and weatherproof, steel frames 6*22cm , high secured with 2 locking points, with all necessary works according to the details and instructions of the site engineer.                            | No.            | 1  |
| F2 | <b>Composite Wood Doors:</b> Providing and installing standard Composite wooden doors (HDF) Balloon press with dimension 2.5x1.0 m, the price includes installing glass pans, switch (Italian made-three locks), gate lock, door stopper, and wooden frames, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                     | No.            | 2  |
| F3 | <b>Steel Guard Bars:</b> Provide and install metal guard bars windows, with primer and two layers of oil paint, using square corrugated bar 12 x 12 mm welded inside an angle frame 1.25"*1.25"*3mm, fixed by screw and fisher to the wall.                                                                                                                                                                                                                                                                                                                                                                                                                                   | M <sup>2</sup> | 12 |
| F4 | <b>Aluminum Windows:</b> Supply material and install Aluminum windows wide section 2mm thickness, fixing 4x3cm 3mm thickness steel pipes frame to the wall, Double glass pan (4mm+4mm) thickness, ordinary or mushajar, rubber, handle, the price includes flywire mesh for opening Areas, the work includes using EKOPLAST paste, cleaning the glasses by machine before composing.                                                                                                                                                                                                                                                                                          | M <sup>2</sup> | 12 |
| F5 | <b>Aluminum Door:</b> Supply material and install Aluminum doors 2mm thickness double plate with dimension (2.0x1.0) m. The price includes glass pan 6mm thickness, ordinary or mushajar, rubber, handle, switch mortice, door stopper, and all other required works according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                             | No.            | 2  |
| G  | <b>Sanitary (Plumbing) Installation:</b> Includes supply and installation of materials, pipes, all kinds of fittings, valves, mixers, bibcock taps, P-traps, gullies with cover, supports, hangers, plug and clips, all excavation with backfilling, placing concrete 1:2:4 under and around pipes, manpower for the installation and internal connection of the water system to hot and cold water and to the main water supply system. All water pipes should be Polypropylene (PPR) Composite water pipes of min. 3 Layers side walls . Note: All materials should be approved, the work of external water connection (3/4" dia.) includes repairing (if any) all Asphalt. |                |    |
| G1 | <b>PVC pipes (6)" Diameter:</b> Supply and install (4")dia. PVC pipes approved type (Egyptian with German standard), 4.20 mm wall thickness with all necessary materials and fittings, according to the section 1500 of I.G.T.S and the instructions of the site engineer with all necessary work the price includes casting concrete type C (1:2:4) around the pipes 15cm thick for all pipe line.                                                                                                                                                                                                                                                                           | M.L.           | 30 |
| G2 | <b>Composite PPR Water Pipes 25 mm:</b> Supply and install water pipes of OD 25 mm, PN 16 the price includes all fittings and accessories, excavation (required depth), backfilling with all necessary works for cold water. With painting by anti-rust paint for galvanized only.                                                                                                                                                                                                                                                                                                                                                                                            | M.L.           | 50 |
| G3 | <b>Composite PPR Water Pipes 32 mm:</b> Supply and install water pipes of OD 32 mm, PN 16 the price includes all fittings and accessories, excavation (required depth), backfilling with all necessary works for cold water. With painting by anti-rust paint for galvanized only.                                                                                                                                                                                                                                                                                                                                                                                            | M.L.           | 30 |
| G4 | <b>Concrete Block Manholes 40x40cm:</b> Supply materials and construction manholes of different depths with internal dimension 40x40cm using solid concrete blocks size 15X20X40 cm for walls the price includes excavation, supply and laying of crushed stone with proper compaction, laying of plain concrete, block walls, plastering and flint coat both sides (inner & outer),covering the internal side of the manholes by a mix of 1:2 water,SBR and Aheen covers due to drawings with frame, according to the details shown in the drawings.                                                                                                                         | No.            | 2  |

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| G5  | <b>Wash Basin:</b> Providing ceramic wash basin with mixer (Such as GROHE, hansgrohe, DURAVIT, Roca) + floor drains + Gully (Trap), using proper brackets and adhesive materials for fixing the basin with walls and fixing drain pipes inside walls (2.25"). The works should be done according to specification, the drawings and instructions of the site engineer.                                                                                                                                                                                                                                                                                                     | No.            | 2   |
| G6  | <b>W.C Ceramic:</b> Providing materials and fix oriental W.C Ceramic (approved sample) with hidden Siphon/in-wall tank. + Gully (Trap) and cleanout accessories. The works should be done according to specification, the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                      | No.            | 2   |
| G7  | <b>Floor Drain 4"dia.:</b> Provision of materials and erection of 4" dia. Floor drain (Egyptian with German standard) stainless steel. The work includes the excavations, crushed stone, lean concrete and connection to the receiving manholes by pvc pip 4" dia, covers, with all necessary work.                                                                                                                                                                                                                                                                                                                                                                        | No.            | 2   |
| G8  | <b>Roof Treatments:</b> Provide materials and workers to treat the roof of the building by using waterproof (UV resistant) 3mm layer thickness with fiberglass mesh or mat and prime coat. The price includes cleaning, polish, levelling using self levelling cement treating and using prime coat before using roof guard and all the required works according to the site engineer.                                                                                                                                                                                                                                                                                     | M <sup>2</sup> | 200 |
| G9  | <b>Water tank (1 m3):</b> Supply and install a new of UV-resistant HDPE vertical water tank, food grade with top/open solid cover and solid body of Triple/3 Layers (Outer Layer for maintain water temperature, middle Layer for sunlight protection/UV resistance and inner layer for algae & odor protection), blue color externally, 2-inch cooper/brass embedded outlet with overflow, manufactured from 100% virgin raw material not recycled (Polyethylene high density) including tank base by using sandwich panel of 5 cm thick and suitable size, all piping and fittings, Valves, float valves, Type according to the drawing and instruction of site engineer | No.            | 2   |
| G10 | <b>Drain Pipe:</b> Provide materials and fixing galvanized steel pipes 3"dia. For rainwater vertical draining from roof with all fittings and accessories, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M.L.           | 40  |

### LOT 3 Sana School

| Construction of Two new (5x7 +5x6) m Classrooms (extension) for Sana School |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |          |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|
| #                                                                           | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Unit           | Quantity |
| <b>A</b>                                                                    | <b>Earth Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |
| A1                                                                          | <b>Demolition and Cutting:</b> Cutting and demolition of concrete 80 cm width with variable depth, grading and levelling to the appropriate level ,and installing markers the price includes cutting the concrete surface by concrete saw cutter ,The works should be done according to section (2) of I.G.T.S and for any depth of cutting or Removing of Debris required for all the area must be according to drawings and instructions of the site engineer , cleaning the site and transporting resulting materials (Debris) to an appropriate location outside municipalities border and approved by the site engineer. | M <sup>2</sup> | 100      |
| A2                                                                          | <b>Excavation works:</b> Excavation in all types of soils (even rock layers, asphalt or existing foundation concretes), with dimensions 1.0m depth and 0.80m width and, the price includes compaction of the excavation base by using compactor according to requirements of section 2 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                                                                                                          | M <sup>3</sup> | 45       |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |     |
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| A3 | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for garage and play yard must be not less than 90% MDD, and using anti termite chemical (cloredin) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers.                                                                                                                                                                                                                                            | M <sup>3</sup> | 50  |
| B  | <b>CONCRETE WORKS:</b> Including supply of materials (steel reinforcement, connection steel wires, cement, aggregate, water, sand, plastic cover for fixing the steel reinforcement in the proper level, bolts, nuts, washers, G. I. pipes, cutter machines, binder machine, etc.), and all necessary works, according to the section (600) of I.G.T.S, drawings and instructions of the site engineer.<br><b>Note:</b><br>1- Use new plywood for all support for wooden forms work, with Adjustable Steel Scaffolding Props and Formwork Jack Support.<br>2- Fy = 276 Mpa for 10mm,12mm steel bars. FY=414Mpa for 16mm,20mm, and 25mm steel bars.<br>3. Allowable bearing capacity of soil = 100 KN / m2 (assumed).<br>5. the reinforcement details should be according to ACI detailing manual 2004.<br>6. New Plywood or standard formworks must be used for all structural parts. |                |     |
| B1 | <b>Lean Concrete:</b> Supply materials and cast plain concrete class (C10) 1:3:6 ,10 cm (min. thickness) under the foundation and laying two layers of thick nylon. (The nylon should also cover the sides of excavation walls and extend on land for 50cm to both sides of excavation).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <sup>2</sup> M | 42  |
| B2 | <b>Reinforced Concrete for Strip Foundation and Footing:</b> Supplying materials and casting reinforced concrete for Wall foundations, column & stair footing, using concrete compressive strength 25 Mpa for 28 days over a layer of thick nylon. (The nylon should cover the sides of excavation walls and extend on land to both sides of excavation). The price includes all necessary works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <sup>3</sup> M | 13  |
| B3 | <b>Slab Reinforced Concrete:</b> Provide all materials and cast reinforced concrete (ready mix C 25) for the slabs with 20cm thickness, parapets, fair-faced, stairs, windows decorate, the work includes concrete all around slab apron kerb (marad tayar) (ready mix C 25), with Hight 20 cm and width 20cm according to the drawings, specifications and instructions of site engineer.<br><b>Note:</b> All the roofs must be treated and smoothened by using a copter instrument.                                                                                                                                                                                                                                                                                                                                                                                                 | <sup>3</sup> M | 23  |
| B4 | <b>Beams and Tie Beams Concrete:</b> Supplying materials and casting reinforced concrete for beams and tie beams according to the details for different sections using concrete compressive strength (fcu=25 MPa) for 28 days according to specifications and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <sup>3</sup> M | 12  |
| B5 | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness under tiles with Compressive strength of 28 days 210 kg/cm2 (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages.                                                                                                                                                                                                                                                                                                                                                    | <sup>2</sup> M | 100 |
| C  | <b>Masonry works:</b> Including provision of material, pointing, curing with all necessary work according to section (500) of I.G.T.S & instructions of Supervisor Engineer. the cost include (40) cm reinforcement steel bars (12) mm. min. (10) cm fixed after drill in columns and (30) cm in wall the height between two bars (50) cm for all intersection between wall and column to support walls and All works to be executed according to the Drawings and specification of site Engineer, making expansion joint every (6m) with thickness 25mm with using of 25mm thickness compressed Polystyrene sheets.                                                                                                                                                                                                                                                                  |                |     |

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| C1       | <b>Solid Concrete Blocks (15x20x40) cm Works:</b> Supplying materials & construction of under DPC walls with Solid concrete blocks (20x15x40) cm. and cement sand mortar (1:3). according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                      | <sup>3</sup> M | 24  |
| C2       | <b>Hollow concrete Blocks (30x30x20) cm Works:</b> Supplying materials & construction of walls for rooms with hollow concrete blocks (30x30x20) cm and cement sand mortar (1:3) above DPC according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                            | <sup>3</sup> M | 40  |
| C3       | <b>Concrete Block Works for Parapet:</b> Supplying materials and constructing of Block walls using (40X12X20) cm with cement mortar (1:3) according to specifications, for all Internal walls, with the instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <sup>2</sup> M | 20  |
| <b>D</b> | <b>ELECTRICAL INSTALLATIONS:</b> Electrical points, including provision and installation of all wiring (using excellent Jordanian type, KSA made or equivalent) of wires 1.5 mm <sup>2</sup> for illumination and 2.5 mm <sup>2</sup> for the rest), inside Egyptian PVC conduits 20-25 mm with thickness 1.8mm galvanized boxes 0.9 mm thickness cables should be laid inside PVC pipes, all materials should be new. All works should be done according to specifications and standard IEC76 and the instruction of a supervisor engineer.                                                                                                                                                     |                |     |
| D1       | Supply material, installation, and operation test of Electric items below flush mounting by using 1*1.5mm <sup>2</sup> , 1*2.5mm <sup>2</sup> , and 1*4mm <sup>2</sup> single core wires cable Jordanian made installed inside heavy duty PVC (20mm&25mm dia. 1.8mm thickness conduits, circular junction box, square GI box 1mm, adapter, couplings with all accessories) the work also include a switch and all requirement to implement the work entirely. (Note: lighting, fan & exhaust fan installed by 2*1*2.5mm <sup>2</sup> wires, while 13, 15 sockets installed by 3*1*2.5mm <sup>2</sup> in 20mm conduits, and 20A switch installed by 3*1*4mm <sup>2</sup> wires in 25mm conduits). |                |     |
| D1.1     | Simple spot lighting fixture 22watt LED, with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off all (2-3) lamp controlled by one switch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No.            | 10  |
| D1.2     | Supply materials, install, connect and testing electrical LED lights (60x60cm) (72 W) with all annexed parts using (2x1.5) mm <sup>2</sup> wires inside false ceiling (daylight type) with switch on/off. All required work according to instructions of supervisor Engineer.                                                                                                                                                                                                                                                                                                                                                                                                                    | No.            | 20  |
| D1.3     | Exterior Lighting fixture Bracket Lamp, wall mounting, waterproof, die cast iron frame with bulkhead glass and 60Watt Philips bulb and indoor lighting due to electrical engineers' advice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | No.            | 11  |
| D1.4     | Ceiling fan with regulator (Panasonic brand or equivalent) with all accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No.            | 4   |
| D1.5     | 13 A Switch Socket outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No.            | 9   |
| D1.6     | 32 Amp switch (Grid switch) with indicator lamp for boilers and Split.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No.            | 1   |
| D2       | POWER CABLES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |     |
| D2.1     | Cable 4x16 +2mm, the work includes provide and install 2" GI pipe 3m Hight.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ML             | 60  |
| D3       | MAIN DISTRIBUTION BOARD-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |     |
| D3.1     | Sub distribution board (1400V/50Hz) origin mark equipped (12 miniature circuit breakers) (16-20-32) Amps, with main MCCB 150A according to the drawings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No.            | 1   |
| D4       | Water cooler (UGUR) 75 liters, white color iron frame prefabricated, The price includes electrical connection and all other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No.            | 2   |
| <b>E</b> | <b>FINISHING:</b> Including provision of all necessary materials, work, curing. The works should be done according to section 10, & 14 of I.G.T.S, drawings and instructions of site engineer with all necessary works, and use SBR at a rate of 200gr per m <sup>2</sup> , ratio of SBR to water (3-1).                                                                                                                                                                                                                                                                                                                                                                                         |                |     |
| E1       | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash(sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) ) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m <sup>2</sup> , the price includes fixing steel wire mesh for the edges between walls                                                                                                                                                                                                              | M <sup>2</sup> | 200 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|
|    | and columns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |      |
| E2 | <b>Gypsum plastering:</b> Supplying materials and plastering with gypsum (using the approved gypsum by site engineer) in 2 layers minimum thickness 15mm using aluminum straight edges for plastering guides each 80 cm for walls and roofs, corridors, and entrance hall, and the area indicated in the drawings. The price includes cleaning and spreading cement splatter dash (a layer of cement slurry must be applied before plastering) and use SBR for the wall (thermos tone), also fixing steel wire mesh for the edges between walls and columns then using one layer of cement plastering for covering the wire mesh.                                                                         | M <sup>2</sup> | 200  |
| E3 | <b>Porcelain Tiles:</b> Supply materials and paving Porcelain Floor Tiles (60x60 cm) or (60x120 cm) ,14mm thickness made (sample should be provided for approval) Wear-resistant, Non-slip, Acid-resistant, Low water-absorption 0.5% with all necessary works on a layer of cement sand mortar 1:3 mix ratio, the price includes cleaning the porcelain after the end of the works. The work includes using cement mortar and sealing the joints with white cement & lime grout and SPR color if required mixture), making 1.0 cm expansion joint each 25m2 filling with flexible epoxy, all required works should be carried out according to the attached drawing and supervisor engineer instruction. | M <sup>2</sup> | 76   |
| E4 | <b>Skirting:</b> supply materials and skirting using Chinese Granite Type (approved type & color) with 12cm height according to the instructions of site engineer for indicated places according to the drawing. (Note: Both outer surfaces of the skirting and gypsum plastering should be coincided vertically).                                                                                                                                                                                                                                                                                                                                                                                        | M.L.           | 62   |
| E5 | <b>Acrylic Internal Paint:</b> Provide materials and Painting with Acrylic painting (made, sample should be provided for approval), painting and color approved by the site engineer, three layers for the rooms, corridors, areas indicated in the drawings (inside the building) or indicated by the site engineer. The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                  | M <sup>2</sup> | 1500 |
| E6 | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove made, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings, and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                                                                                                                                                                                  | M <sup>2</sup> | 200  |
| E7 | <b>Satin Painting 120 cm:</b> Provide materials and Painting 120 cm Hight with satin painting (sample should be provided for approval) painting and color approved by the site engineer) three layers for the areas indicated in the drawings (for walls).                                                                                                                                                                                                                                                                                                                                                                                                                                                | M <sup>2</sup> | 76   |
| E8 | <b>Gypsum False Ceiling:</b> Provide materials and fixing gypsum false ceiling 60*60cm for the Administration part and Hall or the places that indicate by the site engineer. The price includes hanging beams (Skka 38 mm height) every 120cm by, screw, rode steel fisher, rode 3mm, connecting the beams by skka 120cm,60cm long (32mm height) and all necessary works.                                                                                                                                                                                                                                                                                                                                | M <sup>2</sup> | 76   |
| E9 | <b>Curtain:</b> Provide materials & install stand curtain (Zebra Type) approved materials with all accessors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | M <sup>2</sup> | 20   |
| F  | Doors & Windows: Providing all necessary materials and installing doors according to sections 11, 12, 13 of I.G.T.S, details, and instructions of site engineer with all necessary works, prior samples should be approved by site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |      |
| F1 | <b>Metal Modern Doors (Qasa):</b> Provide and install metal doors (Qasa not less than 60mm thickness of the door leaf ) with dimension (2.50x1.0)m well known modern design for the rooms double-faced of sheet plate thickness 1.25mm, 6mm glass pan above door, including special switch, gate lock, 3 reinforced hinges ,door stopper, rubber, polycarbonate, special guard bar, air bay seal, door viewer to see outside, Anti-rust steel thermal paint glossy                                                                                                                                                                                                                                        | No.            | 2    |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |     |
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|          | color, termite proof , moisture and weather proof , steel frames 6*22cm ,high secured with 2 locking points, with all necessary works according to the details and instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |     |
| F2       | <b>Main Gate Metal Door:</b> Provide and install metal door dimensions according to the drawings with two face plates (1.25 mm) for the main gate, primer + two layers oil paint of all ironmonger as required, switch, metal frames, and decoration. The price includes the construction of two reinforced concrete columns(40x40) cm to fix the door. The price also includes casting reinforced concrete for the foundation of the columns (0.8x0.8) m and 20cm thick on a layer of 10 cm well-compacted crushed stone) with all necessary works according to the details and instructions of the site engineer.                          | M <sup>2</sup> | 3.2 |
| F3       | <b>Steel Guard Bars:</b> Provide and install metal guard bars windows, with primer and two layers of oil paint, using square corrugated bar 12 x 12 mm welded inside an angle frame 1.25"*1.25"*3mm, fixed by screw and fisher to the wall.                                                                                                                                                                                                                                                                                                                                                                                                  | M <sup>2</sup> | 16  |
| F4       | <b>Aluminum Windows:</b> Supply material and install Aluminum windows wide section 2mm thickness with dimension (2x3), fixing 4x3cm 3mm thickness steel pipes frame to the wall, Double glass pan (4mm+4mm) thickness, ordinary or mushajar, rubber, handle, the price includes flywire mesh for opening Areas, the work includes using EKOPLAST paste, cleaning the glasses by machine before composing.                                                                                                                                                                                                                                    | M <sup>2</sup> | 16  |
| F5       | <b>MDF PANEL:</b> Using MDF (Medium Density Fiber) 18 mm thickness and 20cm width with all necessary chamfered the edges, fixing according to the specifications, Fixed at 65cm from the F.F.L. with the instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                                  | M.L.           | 50  |
| F6       | <b>Roof Treatments:</b> Provide materials and workers to treat the roof of the building by using waterproof (UV resistant) 3mm layer thickness with fiberglass mesh or mat and prime coat. the price includes cleaning, polish, levelling using self levelling cement treating and using prime coat before using roof guard and all the required works according to the site engineer.                                                                                                                                                                                                                                                       | M <sup>2</sup> | 200 |
| F7       | <b>Drain Pipe:</b> Provide materials and fixing galvanized steel pipes 3"dia. For rain water vertical draining from roof with all fittings and accessories, according to the drawings and instructions of site engineer.                                                                                                                                                                                                                                                                                                                                                                                                                     | M.L.           | 7   |
| <b>G</b> | <b>External and Walkway Work:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |     |
| G1       | <b>Excavation works:</b> Excavation in all types of soils (even rock layers, asphalt or existing foundation concretes), the price includes compaction of the excavation base by using compactor according to requirements of section 300 of I.G.T.S. and instruction of site engineer.                                                                                                                                                                                                                                                                                                                                                       | M <sup>3</sup> | 12  |
| G2       | <b>Backfilling works:</b> Supplying materials and filling with approved screened sub-base materials type B maximum size is 2" up to the DPC level for the building and where required within the area inside or outside of the fence such as aprons, walkways, garden, etc.... with compaction (according to the specification) in layers 25 cm thickness, the compaction for garage and play yard must be not less than 90% MDD, and using anti termite chemical (Chlorodyne) to prevent and treat the white termite according to the instructions of the manufacturer and site engineer with all necessary works for the final two layers. | M <sup>3</sup> | 17  |
| G3       | <b>Walk Way Concrete:</b> Supply material and cast plain concrete for foundation of walk way, with minimum compressive strength (fcu=21 MPa) for 28 days cube test, min.15 cm thick over a layer of thick nylon the slump limit of concrete must not exceed 70mm .                                                                                                                                                                                                                                                                                                                                                                           | <sup>3</sup> M | 4   |
| G4       | <b>solid Concrete Blocks (20x15x40) cm Works:</b> Supplying materials & construction of walls with solid concrete blocks (20x15x40) cm. and cement sand mortar (1:3). according to specifications according to instructions of the site engineer.                                                                                                                                                                                                                                                                                                                                                                                            | <sup>3</sup> M | 4   |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |     |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----|
| G5  | <b>Floor concrete:</b> Supply materials, equipment and skilled labors for casting plain concrete 10cm thickness under tiles with Compressive strength of 28 days 210 kg/cm <sup>2</sup> (1:2:4) above 10 cm thick compacted crush gravel, the work includes grading and levelling smoothing the surface by helicopter with a handheld vibrator or use a vibratory screed of the foundation under the tiles, walkway and shtiger according to the details for the ground floor, using square steel pipes for levelling and formworks in stages. | <sup>2</sup> M | 50  |
| G6  | <b>Cement plastering:</b> Providing materials and plastering with cement sand mortar 1:3 three layers (1.cement spatter dash(sharbat) ,2.rendering coat and levelling (kafmal) ,3. finishing fine coat (saf) 20mm thick min. and the final layer should be very smooth, using 3m aluminum straight edges for plastering guides for outer walls and walkway, use SBR at a rate of 200gr per m <sup>2</sup> , the price includes fixing steel wire mesh for the edges between walls and columns.                                                 | M <sup>2</sup> | 50  |
| G7  | <b>External Painting (Silicone):</b> Provide materials and Painting with External painting (Weather prove, sample should be provided for approval) painting and color approved by the site engineer, three layers for the areas indicated in the drawings (for exterior walls). The works should be done according to specification, the drawings and instructions of the site engineer.<br>Note: the paint must be according to international specification organization ISO 901.                                                             | M <sup>2</sup> | 50  |
| G8  | <b>Aluminum Handrail Works:</b> Provide materials & install handrail on both sides of the entrance (walkway)with Hight 1.20m. The price includes primer and two layers of oil paint for all ironmongery, the price includes excavation, concreting (with dimension 30*30*40 cm) for fixing rectangle Aluminum pipe 3" x 3" each 3m welded to the metal handrail all other required works according to the drawings and instructions of site engineer.                                                                                          | M.L.           | 30  |
| G9  | <b>Parking Concrete:</b> Supply material and casting 15 cm thick using concrete compressive strength 21 Mpa for 28 days for the side walkway and apron area, using BRC (15*15) cm 6mm, chamfered the edges, joints according to the instruction of the site engineer and must using helicopter and monoshake EXTRA for grinding and using square steel pipes for levelling and formworks in stages according to the instruction of the site engineer.                                                                                          | <sup>2</sup> M | 220 |
| G10 | <b>Screened Loam for Garden:</b> Provide material and laying a layer of approved screened Loam 10cm thick for garden. The price includes grading, leveling, compaction of the base, planting grass with all requirements, according to attached drawings, and instructions of site engineer.                                                                                                                                                                                                                                                   | <sup>2</sup> M | 100 |

# **Scope of Work (SOW):**

## **Construction of Additional Classrooms for four Schools in Sulaymaniyah and one in Halabja Governorate, Iraq**

### **Brief Description of the Proposed Project:**

This project is for constructing additional Classrooms for five Schools in Sulaymaniyah and Halabja to increase the buildings' capacity to absorb more students and provide educational access to the host community students living.

The size of the classrooms is 5 X 7 and 5 X 6 meters.

The identified location is :

1. Construction of three classrooms in Peshkawtin School in Halabja (LOT 1)
2. Construction of three classrooms in Baba Gorgor school in Sulymaniyah/ Bainjan (LOT 2)
3. Construction of four classrooms in Rastgo school in Sulymaniyah/ Baziyan (LOT 2)
4. Construction of two classrooms in Kinda Suray school in Sulymaniyah (LOT 3)
5. Construction of two classrooms in Sana school in Sulymaniyah/ Tasluja (LOT 3)

In addition, The demand for seats/ space in primary schools become solved by building new classrooms for the schools.

### **The Project includes the following works:**

- Civil works consist of site preparation, excavation, backfilling and compacting work.
- Concrete works include lean concrete, foundation reinforced concrete, floor concrete, tie beam and slab reinforced concrete.
- Masonry works include Solid Concrete Blocks (15x20x40) cm, Hollow Concrete Blocks (20x20x40) cm, Hollow Concrete Blocks (12x20x40) cm and Hollow Concrete Blocks (30x30x20) cm
- Electrical work includes Supplying and installing and testing the main distribution board, LED lights, cables, ceiling and exhaust fans, 13 A Switch Socket outlet, split AC unit, water cooler and water boiler.
- Sanitary (Plumbing) Works Include supply and installation of HDPE water tank, PPR and PVC pipes, Manholes with floor drain, wash basin and water mixer and rain drain GI pipes.
- Finishing work includes cement and gypsum plastering, porcelain and ceramic tiling, internal and external paint, false ceiling, roof treatment, Aluminum windows, and steel and wooden doors.

### **Important Note:**

- All the works should be done according to the International & Iraqi General Technical & Specifications (IGTS), Instructions of the supervision Engineer, UNHCR General Conditions of Contracts for Civil Works and UNHCR General Conditions of the provision of mixed goods and services.
- UNHCR supervision engineers and its third-party partner engineers inspect the quality of the works implemented by the contractor. The work must be within engineering specifications/standards and timeframe.
- All the works should be done according to the International & Iraqi General Technical & Specifications (IGTS), Instructions of the supervision Engineer, UNHCR General Conditions of Contracts for Civil Works and UNHCR General Conditions of the provision of mixed goods and services.
- The daily work is overseen by UNHCR supervision engineers and its third-party partner engineers.
- The contractor shall submit samples/catalogues of the materials to be used in the project to the supervision engineers for approval, before the commencement of work.
- The supervision engineer can reject any material not complying with the specifications. The contractor should replace rejected materials without any extra cost.
- The Supervision Engineers can demand lab tests and a Certificate of Origin & Quality to ensure the quality of the

material used and the work of the contractors.

- The contractor shall appoint a qualified site engineer and surveyor to represent him with 5 years of professional, relevant experience to work on such a project, who should remain full-time on the sites during the contract period.
- The contractor should submit daily and weekly progress reports which will be endorsed by UNHCR supervision engineers and its third-party partner engineers.
- All the mentioned quantities in the BOQ are estimated and are subject to actual measurements after the completion of the project.
- The contractor shall fix all damages, if any, to the existing pipeline, electric poles & cables, houses, streets & sewerage channels during the project implementation in the area. The contractor shall remove all debris and site waste after completion of works to dumping sites that are approved by the municipality.
- The contractor shall install (in full first) TWO steel signboards of 1.0 m x 1.2 m with calligrapher wages to achieve visibility of the project in accordance with UNHCR supervision engineers.
- The successful contractor will be required to complete all works as per the Drawings, Bill of Quantities, and Technical Specifications **within 60 days of signing the contract agreement or site handover.**
- **The defect liability period is 180 Days, including all civil, electrical, and mechanical works.**

#### Schedule of Requirements:

| No | Detail of Works to be Carried Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Description/<br>Specifications of<br>Goods/Services | Related<br>Services | Contract Duration<br>(Calendar days) |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------|--------------------------------------|
| 1  | <b>Construction of Additional Classrooms for four Schools in Suly and one in Halabja</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | As per BOQ                                          | As per BOQ          | 240 Days (60+180 defect liability)   |
|    | <ul style="list-style-type: none"> <li>• Further to the Schedule of Requirements in the preceding table, bidders are requested to take note that the project will be implemented according to the provision of IRAQI General Technical Specifications (IGTS), Instructions of the supervisor Engineer, UNHCR General Conditions of Contracts for Civil Works and UNHCR General Conditions for the Provision of Mixed Goods and Services.</li> <li>• Other specific instructions are annexed in the Bill of Quantity (BOQ).</li> </ul> |                                                     |                     |                                      |

## Annex C: Detailed Technical Evaluation Criteria

| Mandatory Pre-qualification               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |
|-------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Main Criteria                             | Sub-Criteria                            | Specific Requirements                                                                                                                                                                                                                                                                                                                                                                                                                          | (Yes/NO) |
| Mandatory Pre-qualification               | Valid Business Registration Certificate | Is the company registered as a construction/general contracting company in IRAQ (Federal Government or Kurdistan Region)? <u>No Joint Venture will be accepted.</u><br><u>Any company with an age less than 3 years at the time of the submission will be disqualified.</u>                                                                                                                                                                    |          |
|                                           | Mandatory Bid Security                  | Has the bidder submitted a scanned copy of Bid Security of USD 5,000 by "Good for Payment Cheque/Certified Cheque" made out in the name of UNHCR covering the offer's validity (180 days after the closing date of the bid)? It should be a certified cheque (not personal). <u>The cheque should indicate the RFP number and must be issued under the company name.</u> The selected company would be required to submit the original cheque. |          |
| Mandatory Pre-qualification - Pass / Fail |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |

**The Bidders must meet all the above mandatory pre-qualification criteria in order for their proposal to be considered for further evaluation.**

### Stage 2: Technical Evaluation

The percentage distribution of 60% from the total score has been allocated to Technical Proposal. Maximum scores are listed in the table below. Failure to achieve a minimum score of **60%** out of the 60 points i.e., **36 out of the 60** will result in technical non-compliance and elimination from further evaluation.

#### Technical Evaluation Criteria:

| Main Criteria                              | Sub-Criteria                                                           | Specific Requirements                                                                                                                                                                                                                           | Score |
|--------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| General Company Qualification & experience | Company profile and Capability.                                        | The company has ISO 9001 certification or equivalent recognized certifications. (1 Point)                                                                                                                                                       | 1     |
|                                            |                                                                        | Company age from the registration date (min 3 years).<br>From 3 to 5 years (1 point)<br>More than 5 years (2 points)                                                                                                                            | 2     |
|                                            | Company classification                                                 | The company has a valid construction classification ID issued by the Ministry of Planning (Central Government and/or KRI) classified range between 1-5 classes.                                                                                 | 2     |
|                                            |                                                                        | Classification from 1-3 (2 Points)<br>Classification 4-5 (1 point)                                                                                                                                                                              |       |
|                                            | Staff qualifications, CVs with min 5 years of experience and Resources | Project Manager (site engineer) with a bachelor's academic degree in civil engineering (minimum of 5 years of experience) with proof of graduation like (Graduation certificate, syndicate ID, Union ID) (3 Points)                             | 3     |
|                                            |                                                                        | Electrical Engineer (bachelor's degree) with a minimum of 5 years' experience with proof of graduation (Graduation certificate, syndicate ID, Union ID) (1 Point)                                                                               | 1     |
|                                            |                                                                        | Surveyor (diploma in Surveying) with a minimum of 3 years of experience. (1 Point)                                                                                                                                                              | 1     |
|                                            | Financial Auditing report                                              | The latest 2 consecutive years, financial audit reports for the years (2020-2021-2022). The audit financial reports (including the Balance Sheet) must be certified by the Iraqi Association of Accountants. Minimum cumulative turnover of USD |       |

|                                             |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
|---------------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                             |                                    | (70,000). <u>If the baseline turnover is not demonstrated, the bidder will receive zero points, and the calculation of the ratios will not be applicable.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
|                                             |                                    | Current ratio: $\frac{\text{Current Assets}}{\text{Current Liabilities}}$ (at least 1.0) (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2 |
|                                             |                                    | Debit to Equity Ratio: $\frac{\text{Total Debt}}{\text{Total Equity}}$ (Should be less than 2.0) (2 Points):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 |
| Total score 14 points                       |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
| Relevant Experiences                        | Proof of relevant                  | <p><b>experiences</b> Copies of Purchase Orders (POs), contract agreements, or work orders attached <u>with proof of project completion certificate/ performance letter issued by the client (Showing value, time completed, organization or firm for which completed, contact details of the organizations) awarded and served within the past 10 years.</u> The actual copies of POs, contracts, or work orders should relate to similar projects (this includes new construction, rehabilitation, and sanitation projects)</p> <p>- 5 (and above) Projects = 5 Points<br/>- 4 Projects = 4 Points<br/>- 3 Projects = 3 Points<br/>- 2 Projects = 2 Points<br/>- 1 Projects = 1 Point<br/>- No project = 0 Points</p> | 5 |
|                                             | Past experience with clients       | <p>List of similar projects showing (project name, client name, project cost, reference contact (phone No. or email)). UNHCR will conduct a reference check per project to be considered.</p> <p>- 3 or more different clients (3 Points)<br/>- 2 different clients (2 Points)<br/>- 1 client (1 Point)<br/>- No list (0 Points)</p>                                                                                                                                                                                                                                                                                                                                                                                    | 3 |
| Total score 8 points                        |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
| Technical Specifications of Works           | Construction & Finishing Materials | Catalogues or Datasheet Confirming that the specification of the below items complies with the BoQ:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
|                                             |                                    | Acrylic Painting (internal & external) (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 |
|                                             |                                    | Decorative Metal door (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 |
|                                             |                                    | Roof treatment materials (2 Points).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 |
|                                             |                                    | Composite Wood Doors (2 point)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 |
|                                             | Sanitation Materials               | Eastern W.C (2 Point)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 |
|                                             |                                    | Water mixer and taps (3 Point)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 |
|                                             |                                    | PVC and composite PPR water Pipes (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2 |
|                                             |                                    | UV-resistant HDPE water tank 1000 liters (3 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 |
|                                             | Electrical fittings Materials      | Copper cables and wires (4 X 16mm2) (4 X 25mm2) (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 |
|                                             |                                    | Led lights 18 W, 36 W, and 72 W (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 |
|                                             |                                    | Socket and switch plug (2 Points)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2 |
| Ceiling fan (3 Points)                      |                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| Water Cooler (3 Points)                     |                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| 30 points (Min. Passing point is 20 Points) |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
| Work Plan & Method of                       | Works plan Detailed and            | - Implement realistic timelines as indicated in the Scope of work (60) days. Including a Gantt Chart indicating a detailed sequence of activities. (3 Points).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 |

|                                         |                                                                                                   |                                                                                                                                                                                                                                                   |                               |   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---|
| Implementation                          | realistic work plan with Work Schedule/ Gantt Chart showing the starting and end of each activity | - Incomplete Gantt chart, no Gantt Chart or Proposed Gantt chart (+/-)15% of the proposed duration of <b>(60 Days)</b> of the indicated duration in (SoW) or Project Schedule not indicating a detailed sequence of activities <b>(0 Point)</b> . |                               |   |
|                                         | Method of implementation                                                                          | Submission of the minimum equipment list, which should comprise 1 Truck, 1 Grader, 1 Excavator, 1 Pickup, 1 Loader, 1 Compactor, and 1 Concrete Mixture Machine                                                                                   | Full list <b>(2 Points)</b> . | 2 |
|                                         |                                                                                                   |                                                                                                                                                                                                                                                   | Partial list <b>(1 point)</b> |   |
|                                         |                                                                                                   | The logistics plan includes access to the site and material delivery with the needed workforce. <b>(1 Point)</b>                                                                                                                                  | 1                             |   |
|                                         |                                                                                                   | Environmental Impact Assessment Plan. <b>(1 Point)</b>                                                                                                                                                                                            | 1                             |   |
|                                         |                                                                                                   | Risk mitigation plan and insurance to ensure all risks are covered <b>(1 Point)</b> .                                                                                                                                                             | 1                             |   |
| Total score 8 points                    |                                                                                                   |                                                                                                                                                                                                                                                   |                               |   |
| Total Score for Technical Evaluation 60 |                                                                                                   |                                                                                                                                                                                                                                                   |                               |   |

## **Annex D: Technical Proposal Form:**

The Bidder must provide sufficient information in the proposal to demonstrate compliance with the requirement set out in each section of this Request for Proposal. This **PROPOSAL FORM** must be completed, signed and returned to UNHCR. Proposal must be made in accordance with the instructions contained in this Request for Proposal.

### **TERMS AND CONDITIONS OF CONTRACT**

Any contract resulting from this RFP shall be subject to **Annex F: General conditions of Contracts for the provision of Good and Services (July 2018)** AND **Annex G: UNHCR General Conditions of Contracts for Civil works (October 2000)**

### **D-1 DECLARATION**

The undersigned, having read the Instruction to Bidder, and the **Annex F: General conditions of Contracts for the provision of Good and Services (July 2018)** AND **Annex G: UNHCR General Conditions of Contracts for Civil works (October 2000)** as set out in the attached document, hereby offers to supply the services specified in the BOQ at the price or prices quoted in **Annex A: Bill of Quantities & Scope of Work (SOW)**.

The undersigned understands that UNHCR reserves the right to accept the whole or part of your bid or allow split or partial awards on this project. It is however important to note that the construction project cannot be split unless the various components are defined by LOT. All other projects are to be awarded on an “all or nothing basis”.

### **D-2 AWARD AND BANK GUARANTEE:**

The Firm that submitted the successful Proposal will be notified by letter of the award prior to the expiration of the validity period. The letter, referred to as the “Letter of Award” will state the sum of the fees to be paid to the Firm for the services rendered and will indicate the terms under which the Contract must be finalized.

The Contract must be signed within 14 days of the issue of the Letter of Acceptance. The successful bidder will be required to furnish us with 10% Bank Guarantee of the contract sum from a reputable bank in the next 7 days, valid for the entire period of the contract works.

Name of authorized representative: \_\_\_\_\_

Title: \_\_\_\_\_

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

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

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

Postal Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Email Address: \_\_\_\_\_

**D-3 BIDDER GENERAL INFORMATION**

| Bidder General Information                                                            |                                                                                   |                                                 |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------|
| Description                                                                           | Information (to be filled by the Bidder)                                          | Remarks                                         |
| Registration Type (Company / Contractor etc.)                                         | E.g. Construction Company with appropriate registration as a construction company |                                                 |
| Registration number                                                                   |                                                                                   |                                                 |
| If multi location company, specify headquarters location                              |                                                                                   |                                                 |
| Grading/Classification if any applicable to the type of registration you company has. | Provide certified copies                                                          |                                                 |
| Number of similar and successfully completed projects;                                | Provide a list and copies of contracts / POs with certificate of completion       |                                                 |
| Number of similar projects currently underway;                                        | Provide a list and copies of contracts / POs                                      |                                                 |
| Total number of clients previous and current                                          | Provide a list                                                                    |                                                 |
| Specialty                                                                             |                                                                                   |                                                 |
| Expiry Date of Certifications and/or Grading                                          |                                                                                   | <i>Provide certified copies</i>                 |
| Legal Status                                                                          | e.g. Limited Company / Public limited Company etc.                                | <i>Provide certified copies of Registration</i> |
| VAT Registration Number                                                               | (If applicable)                                                                   |                                                 |

**D-4 STAFF QUALIFICATION AND EXPERIENCE:**

Qualifications and experience of key management and technical personnel proposed for this Project. Signed CVs of all proposed staff must accompany the submission and it should be noted that substitution of staff during Project implementation shall be subject to the approval of UNHCR. A detailed organization chart of the company including the location and staffing of existing offices must also be attached to the offer.

| Construction Project Management Staff |          |      |
|---------------------------------------|----------|------|
| <b>A. Key Professionals</b>           |          |      |
| Name                                  | Position | Task |
|                                       |          |      |
|                                       |          |      |
|                                       |          |      |
|                                       |          |      |
|                                       |          |      |
| <b>B. Support Staff</b>               |          |      |
| Name                                  | Position | Task |
|                                       |          |      |
|                                       |          |      |
|                                       |          |      |
|                                       |          |      |

The CVs of all staff listed above must be provided and a reference to the page number must be made for each staff cv in the technical proposal.

**D-5 FINANCIAL INFORMATION:**

| Annual Turn-over Information (Last Three Years) |                  |         |
|-------------------------------------------------|------------------|---------|
| Year                                            | Turn-over in USD | Remarks |
| 2020                                            |                  |         |
| 2021                                            |                  |         |
| 2022                                            |                  |         |

**D-6 Financial Statement Analysis**

| S No.                 | Description of Financial Info. | Value | Reference Page No. Tec Proposal |
|-----------------------|--------------------------------|-------|---------------------------------|
| <b>Current Ration</b> |                                |       |                                 |
| 1                     | Current assets                 |       |                                 |

|                                   |                     |  |  |
|-----------------------------------|---------------------|--|--|
| 2                                 | Current liabilities |  |  |
| <b>Debt Ratio as a Percentage</b> |                     |  |  |
| 3                                 | Total Debt          |  |  |
| 4                                 | Total Assets        |  |  |

#### **D-7 WORKS IN HAND (Ongoing Projects)**

| <b>Works in Hand</b>                       |                                      |                   |                 |               |
|--------------------------------------------|--------------------------------------|-------------------|-----------------|---------------|
| <b>Employer name &amp; contact details</b> | <b>Description of Works/Services</b> | <b>Start date</b> | <b>End date</b> | <b>Amount</b> |
|                                            |                                      |                   |                 |               |
|                                            |                                      |                   |                 |               |
|                                            |                                      |                   |                 |               |
|                                            |                                      |                   |                 |               |
|                                            |                                      |                   |                 |               |
| <b>Total USD</b>                           |                                      |                   |                 |               |

Make a reference to page number in your technical proposal for the corresponding documents (1. Contract / PO 2. Date of Project Site Handover. All documents must be provided in your technical proposal.

#### **D-8 CONSTRUCTION EXPERIENCE IN LAST FIVE YEARS**

| <b>Construction Experience in last five years</b> |                                            |                                      |               |                                                                          |
|---------------------------------------------------|--------------------------------------------|--------------------------------------|---------------|--------------------------------------------------------------------------|
| <b>Year</b>                                       | <b>Employer name &amp; contact details</b> | <b>Description of Works/Services</b> | <b>Amount</b> | <b>Contractor's Responsibility % No Joint Venture will be Considered</b> |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
|                                                   |                                            |                                      |               |                                                                          |
| <b>Total USD:</b>                                 |                                            |                                      |               |                                                                          |

Make a reference to page number in your technical proposal for the corresponding documents (1. Contract / PO 2. Date of Project Site Handover 3. Substantial Completion Certificate) All documents must be provided in your technical proposal.

#### **D-9 INFORMATION ON ANY CURRENT LITIGATION IN WHICH THE FIRM(S) IS INVOLVED.**

| <b>Other Party(ies)</b> | <b>Cause of Dispute</b> | <b>Amount Involved</b> |
|-------------------------|-------------------------|------------------------|
|                         |                         |                        |
|                         |                         |                        |
|                         |                         |                        |
|                         |                         |                        |

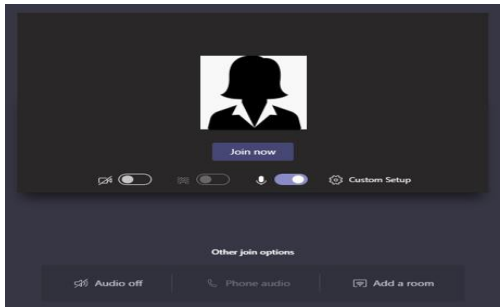
#### **D-10 PROPOSED WORK PLAN AND SCHEDULE OF ACTIVITIES**

The proposed work plan and schedule of activities must be submitted with this Proposal. The work plan and schedule should be prepared in detail to the extent possible and include time allocated.

A proposed timeline in a Gantt / Bar chart format must be part of this Proposal. It should start with establishing Minimum Requirements till the Issuance of the Substantial Completion Certificate.

## Annex J: Join a Meeting without a Teams Account



1. Go to the meeting invite and select **Join Microsoft Teams Meeting**.
2. That'll open a webpage, where you'll see two choices: **Download the Windows app** and **Join on the web instead**. If you join on the web, you can use either Microsoft Edge or Google Chrome. Your browser may ask if it's OK for Teams to use your mic and camera. Be sure to allow it so you'll be seen and heard in your meeting.
3. Enter your name and choose your audio and video settings. If the meeting room (or another device that's connected to the meeting) is nearby, choose **Audio off** to avoid disrupting. Select **Phone audio** if you want to listen to the meeting on your mobile phone.
4. When you're ready, hit **Join now**.
5. This will bring you into the **lobby**. We'll notify the meeting organizer that you're there, and someone in the meeting can then admit you.

**ANNEX L: TENTATIVE CALENDAR OF ACTIVITIES:**

| Calendar of Activities |                                                                       |            |            |
|------------------------|-----------------------------------------------------------------------|------------|------------|
| S/No:                  | Action Description                                                    | Date       |            |
|                        |                                                                       | From       | To         |
| 1                      | Tender available to vendors <i>(Tender opening and closing dates)</i> | 15/02 2023 | 09/03/2023 |
| 2                      | Site Visit                                                            | 23/02/2023 | 23/02/2023 |
| 3                      | Pre-bid conference Meeting                                            | 26/02/2023 | 26/02/2023 |
| 4                      | Closing date for Queries                                              | 26/02/2023 | 26/02/2023 |
| 5                      | Tender Closing date                                                   | 09/03/2023 | 09/03/2023 |
| 6                      | Bid opening Date                                                      | 09/03/2023 | 09/03/2023 |
| 7                      | Technical Evaluation                                                  | 10/03/2023 | 29/03/2023 |
| 8                      | Financial Evaluation                                                  | 30/03/2023 | 04/04/2023 |
| 9                      | Approval of Contract                                                  | 05/04/2023 | 26/04/2023 |

## ANNEX M: BID DATA SHEET

THE FOLLOWING SPECIFIC DATA FOR THE SERVICES TO BE PROCURED SHALL COMPLEMENT, SUPPLEMENT OR AMEND THE PROVISION IN THE INSTRUCTIONS TO BIDDERS. WHENEVER THERE IS A CONFLICT, THE PROVISION HEREIN SHALL PREVAIL.

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                       |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DEADLINE FOR SUBMISSION OF BIDS</b>               | <b>09/03/2023 at 2359 HRS Iraq Local Time</b>                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                       |
| <b>SUBMISSION OF BIDS:</b>                           | Please submit your proposal through an online eTenderBox Tool, which can be accessed at <a href="http://etenderbox.unhcr.org">http://etenderbox.unhcr.org</a>                                                                                                                                                                                                                        | <b>Construction of Additional Classrooms in four Schools in Sulaymaniyah and one School in Halabja Governorate in Iraq for UNHCR Iraq Operations.</b> |
| <b>LATE SUBMISSION OF OFFERS:</b>                    | OFFERS SHOULD BE SUBMITTED IN GOOD TIME TO BE RECEIVED BY CLOSING DATE AND TIME.<br><br><b>IMPORTANT NOTE:</b> BIDS RECEIVED AFTER THE DEADLINE FOR SUBMISSION OF BIDS AND BIDS TRANSMITTED IN ANY OTHER MANNER THAN THOSE INDICATED ABOVE WILL NOT BE CONSIDERED.                                                                                                                   |                                                                                                                                                       |
| <b>BID VALIDITY PERIOD:</b>                          | <b>180 DAYS</b>                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                       |
| <b>PRICE VALIDITY PERIOD:</b>                        | <b>Entire Period of the Project Duration</b>                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                       |
| <b>DEFECT LIABILITY:</b>                             | <b>12 MONTH DEFECT LIABILITY APPLY</b>                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                       |
| <b>TERMS OF REFERENCE:</b>                           | ALTERNATIVES TERMS OF REFERENCE SHALL NOT BE CONSIDERED                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                       |
| <b>DELIVERY SCHEDULE:</b>                            | SET UP TIME: IN DAYS: <b>10 Days</b><br>DELIVERY TIME: IN DAYS: <b>60 Days</b>                                                                                                                                                                                                                                                                                                       |                                                                                                                                                       |
| <b>RETENTION MONEY:</b>                              | Please note that a 10% of the total contract value will be kept as retention money for period of <b>Twelve Months</b> from the completion and handover of the site against defects and liabilities.                                                                                                                                                                                  |                                                                                                                                                       |
| <b>RELEASE OF PERFORMANCE BOND OR BANK GUARANTEE</b> | The performance bond or bank guarantee will be released upon the 100% completion of the works and upon the issuance of Substantial Completion of Works Certification by the UNHCR Project Manager/Engineer.                                                                                                                                                                          |                                                                                                                                                       |
| <b>LIQUIDATED DAMAGES</b>                            | The resulting contract from this tendering exercise <b>MAY BE</b> subject to the application of liquidated damages at the sole discretion of UNHCR and if deemed necessary. In accordance with article 2.11 of the tender document.                                                                                                                                                  |                                                                                                                                                       |
| <b>SUBCONTRACTING</b>                                | UNHCR WILL HAVE TO APPROVE ANY SUBCONTRACTOR THAT THE CONTRACTOR INTENDS TO USE FOR THE EXECUTION.                                                                                                                                                                                                                                                                                   |                                                                                                                                                       |
| <b>LANGUAGE OF THE BID:</b>                          | ENGLISH                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                       |
| <b>REQUESTS FOR ADDITIONAL INFORMATION:</b>          | BIDDERS ARE REQUIRED TO SUBMIT ALL THEIR QUERIES IN RESPECT OF THIS REQUEST FOR PROPOSAL TO BID BY E-MAIL TO: <a href="mailto:IRQERPROC@unhcr.org">IRQERPROC@unhcr.org</a> BEFORE 2359 <b>HRS Iraq Local Time on 26/02/2023. (CUT-OFF DATE FOR QUERIES)</b> .<br>UNHCR MAY, AT ITS DISCRETION, COPY ANY REPLY TO A PARTICULAR QUESTION TO ALL OTHER INVITED / PARTICIPATING BIDDERS. |                                                                                                                                                       |
| <b>BID EVALUATION CRITERIA:</b>                      | BIDS WILL BE EVALUATED BASED ON THE TECHNICAL EVALUATION CRITERIA prescribed in article " <b>2.6.2 Technical and Financial evaluation</b> "                                                                                                                                                                                                                                          |                                                                                                                                                       |

## **ANNEX N: SUBMISSION CHECKLIST**

| Submission Checklist |                                                                                                                  |        |
|----------------------|------------------------------------------------------------------------------------------------------------------|--------|
| S. No.               | Description                                                                                                      | Status |
| 1                    | I have read and understood the RFP and all its annexes                                                           |        |
| 2                    | Annex A: Annex A: Bill of Quantities & Scope of Work (SOW) - Completed and Submitted                             |        |
| 3                    | Annex D: Technical Proposal Form - Completed and Submitted                                                       |        |
| 4                    | Annex E: Vendor Registration Form - Completed and Submitted                                                      |        |
| 5                    | Annex F: General conditions of Contracts for the provision of Good and Services (July 2018) - Signed and Stamped |        |
| 6                    | Annex G: UNHCR General Conditions of Contracts for Civil works (October 2000) Signed and Stamped or else         |        |
| 7                    | Annex H: Supplier's Code of Conduct - Signed and Stamped                                                         |        |
| 8                    | Annex K: Financial Offer Form (Filled Signed and Stamped in PDF)                                                 |        |

Name of authorized representative: \_\_\_\_\_

Title: \_\_\_\_\_

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

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

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

Postal Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Email Address: \_\_\_\_\_