



*Empowered lives.  
Resilient nations.*

# **INVITATION TO BID**

## **Provision of Civil work**

### **Building additional floors in UNDP/RCO buildings**

#### **Sana'a, Yemen**

ITB No.: ITB-YEM-0096-2022

Project: UNDP OFFICE

Country: YEMEN

Issued on: 29 September 2022

## Contents

---

<b>Section 1. Letter of Invitation.....</b>	<b>4</b>
<b>Section 2. Instruction to Bidders .....</b>	<b>5</b>
<b>A. GENERAL PROVISIONS.....</b>	<b>5</b>
1. Introduction.....	5
2. Fraud & Corruption, Gifts and Hospitality.....	5
3. Eligibility.....	5
4. Conflict of Interests .....	6
<b>B. PREPARATION OF BIDS.....</b>	<b>6</b>
5. General Considerations.....	6
6. Cost of Preparation of Bid .....	7
7. Language .....	7
8. Documents Comprising the Bid .....	7
9. Documents Establishing the Eligibility and Qualifications of the Bidder.....	7
10. Technical Bid Format and Content.....	7
11. Price Schedule .....	7
12. Bid Security .....	7
13. Currencies.....	8
14. Joint Venture, Consortium or Association .....	8
15. Only One Bid .....	9
16. Bid Validity Period.....	9
17. Extension of Bid Validity Period .....	9
18. Clarification of Bid (from the Bidders) .....	10
19. Amendment of Bids.....	10
20. Alternative Bids .....	10
21. Pre-Bid Conference.....	10
<b>C. SUBMISSION AND OPENING OF BIDS.....</b>	<b>11</b>
22. Submission.....	11
Hard copy (manual) submission.....	11
Email and eTendering submissions.....	11
23. Deadline for Submission of Bids and Late Bids .....	11

24. Withdrawal, Substitution, and Modification of Bids .....	12
25. Bid Opening .....	12
<b>D. EVALUATION OF BIDS .....</b>	<b>12</b>
26. Confidentiality .....	12
27. Evaluation of Bids .....	12
28. Preliminary Examination .....	13
29. Evaluation of Eligibility and Qualification .....	13
30. Evaluation of Technical Bid and prices .....	13
31. Due diligence .....	13
32. Clarification of Bids .....	14
33. Responsiveness of Bid .....	14
34. Nonconformities, Reparable Errors and Omissions .....	14
<b>E. AWARD OF CONTRACT .....</b>	<b>15</b>
35. Right to Accept, Reject, Any or All Bids .....	15
36. Award Criteria .....	15
37. Debriefing .....	15
38. Right to Vary Requirements at the Time of Award .....	15
39. Contract Signature .....	15
40. Contract Type and General Terms and Conditions .....	15
41. Performance Security .....	15
42. Bank Guarantee for Advanced Payment .....	15
43. Liquidated Damages .....	16
44. Payment Provisions .....	16
45. Vendor Protest .....	16
46. Other Provisions .....	16
<b>Section 3. Bid Data Sheet .....</b>	<b>17</b>
<b>Section 4. Evaluation Criteria .....</b>	<b>24</b>
<b>Section 5a: Schedule of Requirements and Technical Specifications/Bill of Quantities .....</b>	<b>27</b>
<b>Section 5b: Other Related Requirements .....</b>	<b>28</b>
<b>Section 6: Returnable Bidding Forms / Checklist .....</b>	<b>30</b>
Form A: Bid Submission Form .....	31
Form B: Bidder Information Form .....	32
Form C: Joint Venture/Consortium/Association Information Form .....	35
Form D: Eligibility and Qualification Form .....	36
Form E: Technical Bid FORMAT .....	38

## Section 1. Letter of Invitation

---

The United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) for the above-referenced subject.

This ITB includes the following documents and the General Terms and Conditions of Contract which is inserted in the Bid Data Sheet:

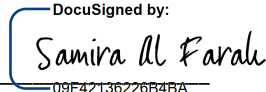
- Section 1: This Letter of Invitation
- Section 2: Instruction to Bidders
- Section 3: Bid Data Sheet (BDS)
- Section 4: Evaluation Criteria
- Section 5: Schedule of Requirements and Technical Specifications
- Section 6: Returnable Bidding Forms
  - o Form A: Bid Submission Form
  - o Form B: Bidder Information Form
  - o Form C: Joint Venture/Consortium/Association Information Form
  - o Form D: Qualification Form
  - o Form E: Format of Technical Bid
  - o Form F: Price Schedule
  - o Form G: Form of Bid Security
  - o Form H: Site Inspection Form
  - o Attachments (BOQ & DRAWINGS, List of Equipment)

If you are interested in submitting a Bid in response to this ITB, please prepare your Bid in accordance with the requirements and procedure as set out in this ITB and submit it by the Deadline for Submission of Bids set out in Bid Data Sheet.

Please acknowledge receipt of this ITB by sending an email to [procurement.yemen@undp.org](mailto:procurement.yemen@undp.org), indicating whether you intend to submit a Bid or otherwise. You may also utilize the "Accept Invitation" function in eTendering system, where applicable. This will enable you to receive amendments or updates to the ITB. Should you require further clarifications, kindly communicate with the contact person/s identified in the attached Data Sheet as the focal point for queries on this ITB.

UNDP looks forward to receiving your Bid and thank you in advance for your interest in UNDP procurement opportunities.

Issued by

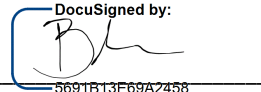
DocuSigned by:  
  
09F42136226B4BA...

Name: Samira Al Farah

Title: Head of Procurement

Date: **September 29, 2022**

Approved by:

DocuSigned by:  
  
5691B13E69A2458...

Name: Martin Boben

Title: OIC Team Leader Procurement & Engineering

Date: **September 29, 2022**

## Section 2. Instruction to Bidders

### GENERAL PROVISIONS

1. Introduction	<p>1.1 Bidders shall adhere to all the requirements of this ITB, including any amendments made in writing by UNDP. This ITB is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement which can be accessed at <a href="https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d">https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</a></p> <p>1.2 Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.</p> <p>1.3 UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p> <p>1.4 As part of the bid, it is desired that the Bidder registers at the United Nations Global Marketplace (UNGM) website (<a href="http://www.ungm.org">www.ungm.org</a>). The Bidder may still submit a bid even if not registered with the UNGM. However, if the Bidder is selected for contract award, the Bidder must register on the UNGM prior to contract signature.</p>
2. Fraud & Corruption, Gifts and Hospitality	<p>2.1 UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at <a href="http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti">http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti</a></p> <p>2.2 Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches or dinners.</p> <p>2.3 In pursuance of this policy, UNDP:</p> <p>(a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question;</p> <p>(b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p> <p>2.4 All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at <a href="http://www.un.org/depts/ptd/pdf/conduct_english.pdf">http://www.un.org/depts/ptd/pdf/conduct_english.pdf</a></p>
3. Eligibility	<p>3.1 A vendor should not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by</p>

	<p>these organizations.</p> <p>3.2 It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP.</p>
<b>4. Conflict of Interests</b>	<p>4.1 Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they:</p> <ul style="list-style-type: none"> <li>a) Are or have been associated in the past, with a firm or any of its affiliates which have been engaged by UNDP to provide services for the preparation of the design, specifications, Terms of Reference, cost analysis/estimation, and other documents to be used for the procurement of the goods and services in this selection process;</li> <li>b) Were involved in the preparation and/or design of the programme/project related to the goods and/or services requested under this ITB; or</li> <li>c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP.</li> </ul> <p>4.2 In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to UNDP, and seek UNDP's confirmation on whether or not such conflict exists.</p> <p>4.3 Similarly, the Bidders must disclose in their Bid their knowledge of the following:</p> <ul style="list-style-type: none"> <li>a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this ITB; and</li> <li>b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices.</li> </ul> <p>Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.</p> <p>4.4 The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.</p>
<b>B. PREPARATION OF BIDS</b>	
<b>5. General Considerations</b>	<p>5.1 In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in rejection of the Bid.</p> <p>5.2 The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must notify the UNDP accordingly.</p>

<b>6. Cost of Preparation of Bid</b>	6.1 The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. UNDP shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.
<b>7. Language</b>	7.1 The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the BDS.
<b>8. Documents Comprising the Bid</b>	8.1 The Bid shall comprise of the following documents and related forms which details are provided in the BDS: <ul style="list-style-type: none"> <li>a) Documents Establishing the Eligibility and Qualifications of the Bidder;</li> <li>b) Technical Bid;</li> <li>c) Price Schedule;</li> <li>d) Bid Security, if required by BDS;</li> <li>e) Any attachments and/or appendices to the Bid.</li> </ul>
<b>9. Documents Establishing the Eligibility and Qualifications of the Bidder</b>	9.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfaction.
<b>10. Technical Bid Format and Content</b>	10.1 The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB. 10.2 Samples of items, when required as per Section 5, shall be provided within the time specified and unless otherwise specified by the Purchaser, at no expense to the UNDP. If not destroyed by testing, samples will be returned at Bidder's request and expense, unless otherwise specified. 10.3 When applicable and required as per Section 5, the Bidder shall describe the necessary training programme available for the maintenance and operation of the equipment offered as well as the cost to the UNDP. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS. 10.4 When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of delivery, or as otherwise specified in this ITB.
<b>11. Price Schedule</b>	11.1 The Price Schedule shall be prepared using the Form provided in Section 6 of the ITB and taking into consideration the requirements in the ITB. 11.2 Any requirement described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.
<b>12. Bid Security</b>	12.1 A Bid Security, if required by BDS, shall be provided in the amount and form indicated in the BDS. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid. 12.2 The Bid Security shall be included along with the Bid. If Bid Security is required by the ITB but is not found in the Bid, the offer shall be rejected.

	<p>12.3 If the Bid Security amount or its validity period is found to be less than what is required by UNDP, UNDP shall reject the Bid.</p> <p>12.4 In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS.</p> <p>12.5 The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:</p> <ul style="list-style-type: none"> <li>a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or;</li> <li>b) In the event the successful Bidder fails: <ul style="list-style-type: none"> <li>i. to sign the Contract after UNDP has issued an award; or</li> <li>ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.</li> </ul> </li> </ul>
<b>13. Currencies</b>	<p>13.1 All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids:</p> <ul style="list-style-type: none"> <li>a) UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bids; and</li> <li>b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.</li> </ul>
<b>14. Joint Venture, Consortium or Association</b>	<p>14.1 If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture.</p> <p>14.2 After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP.</p> <p>14.3 The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.</p> <p>14.4 The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by UNDP.</p> <p>14.5 A JV, Consortium or Association in presenting its track record and experience</p>



	<p>should clearly differentiate between:</p> <ul style="list-style-type: none"> <li>a) Those that were undertaken together by the JV, Consortium or Association; and</li> <li>b) Those that were undertaken by the individual entities of the JV, Consortium or Association.</li> </ul> <p>14.6 Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials</p> <p>14.7 JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.</p>
<b>15. Only One Bid</b>	<p>15.1 The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.</p> <p>15.2 Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</p> <ul style="list-style-type: none"> <li>a) they have at least one controlling partner, director or shareholder in common; or</li> <li>b) any one of them receive or have received any direct or indirect subsidy from the other/s; or</li> <li>c) they have the same legal representative for purposes of this ITB; or</li> <li>d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of another Bidder regarding this ITB process;</li> <li>e) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.</li> </ul>
<b>16. Bid Validity Period</b>	<p>16.1 Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive.</p> <p>16.2 During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.</p>
<b>17. Extension of Bid Validity Period</b>	<p>17.1 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered integral to the Bid.</p> <p>17.2 If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.</p> <p>17.3 The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.</p>

<b>18. Clarification of Bid (from the Bidders)</b>	<p>18.1 Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no obligation to respond or confirm that the query was officially received.</p> <p>18.2 UNDP will provide the responses to clarifications through the method specified in the BDS.</p> <p>18.3 UNDP shall endeavour to provide responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bids, unless UNDP deems that such an extension is justified and necessary.</p>
<b>19. Amendment of Bids</b>	<p>19.1 At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders.</p> <p>19.2 If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.</p>
<b>20. Alternative Bids</b>	<p>20.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative Bid.</p> <p>20.2 If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"</p>
<b>21. Pre-Bid Conference</b>	<p>21.1 When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.</p>

**C. SUBMISSION AND OPENING OF BIDS**

22. Submission	<p>22.1 The Bidder shall submit a duly signed and complete Bid comprising the documents and forms in accordance with requirements in the BDS. The Price Schedule shall be submitted together with the Technical Bid. Bid can be delivered either personally, by courier, or by electronic method of transmission as specified in the BDS.</p> <p>22.2 The Bid shall be signed by the Bidder or person(s) duly authorized to commit the Bidder. The authorization shall be communicated through a document evidencing such authorization issued by the legal representative of the bidding entity, or a Power of Attorney, accompanying the Bid.</p> <p>22.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the UNDP General Contract Terms and Conditions.</p>
Hard copy (manual) submission	<p>22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows:</p> <p>a) The signed Bid shall be marked "Original", and its copies marked "Copy" as appropriate. The number of copies is indicated in the BDS. All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail.</p> <p>(b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall:</p> <ol style="list-style-type: none"> <li>Bear the name of the Bidder;</li> <li>Be addressed to UNDP as specified in the BDS; and</li> <li>Bear a warning not to open before the time and date for Bid opening as specified in the BDS.</li> </ol> <p>If the envelope with the Bid is not sealed and marked as required, UNDP shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.</p>
Email and eTendering submissions	<p>22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows:</p> <ol style="list-style-type: none"> <li>Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS;</li> <li>Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions in BDS.</li> </ol> <p>22.6 Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link:  <a href="http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/">http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/</a></p>
23. Deadline for Submission of Bids and Late Bids	<p>23.1 Complete Bids must be received by UNDP in the manner, and no later than the date and time, specified in the BDS. UNDP shall only recognise the actual date and time that the bid was received by UNDP</p> <p>23.2 UNDP shall not consider any Bid that is received after the deadline for the</p>

	submission of Bids.
<b>24. Withdrawal, Substitution, and Modification of Bids</b>	<p>24.1 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission.</p> <p>24.2 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to UNDP, duly signed by an authorized representative, and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as "WITHDRAWAL" "SUBSTITUTION," or "MODIFICATION"</p> <p>24.3 eTendering: A Bidder may withdraw, substitute or modify its Bid by Cancelling, Editing, and re-submitting the Bid directly in the system. It is the responsibility of the Bidder to properly follow the system instructions, duly edit and submit a substitution or modification of the Bid as needed. Detailed instructions on how to cancel or modify a Bid directly in the system are provided in the Bidder User Guide and Instructional videos.</p> <p>24.4 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.</p>
<b>25. Bid Opening</b>	<p>25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.</p> <p>25.2 The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submissions, in which case, the Bid shall be returned unopened to the Bidders.</p> <p>25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.</p>
<b>D. EVALUATION OF BIDS</b>	
<b>26. Confidentiality</b>	<p>26.1 Information relating to the examination, evaluation, and comparison of Bids, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award.</p> <p>26.2 Any effort by a Bidder or anyone on behalf of the Bidder to influence UNDP in the examination, evaluation and comparison of the Bids or contract award decisions may, at UNDP's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing UNDP's vendor sanctions procedures.</p>
<b>27. Evaluation of Bids</b>	<p>27.1 UNDP will conduct the evaluation solely on the basis of the Bids received.</p> <p>27.2 Evaluation of Bids shall be undertaken in the following steps:</p> <ol style="list-style-type: none"> <li>Preliminary Examination including Eligibility</li> <li>Arithmetical check and ranking of bidders who passed preliminary examination by price.</li> <li>Qualification assessment (if pre-qualification was not done)</li> <li>Evaluation of Technical Bids</li> </ol>

	<p>b) Evaluation of prices</p> <p>Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary</p>
<b>28. Preliminary Examination</b>	<p>28.1 UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.</p>
<b>29. Evaluation of Eligibility and Qualification</b>	<p>29.1 Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria).</p> <p>29.2 In general terms, vendors that meet the following criteria may be considered qualified:</p> <ul style="list-style-type: none"> <li>a) They are not included in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's ineligible vendors' list;</li> <li>b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments,</li> <li>c) They have the necessary similar experience, technical expertise, production capacity, quality certifications, quality assurance procedures and other resources applicable to the supply of goods and/or services required;</li> <li>d) They are able to comply fully with the UNDP General Terms and Conditions of Contract;</li> <li>e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and</li> <li>f) They have a record of timely and satisfactory performance with their clients.</li> </ul>
<b>30. Evaluation of Technical Bid and prices</b>	<p>30.1 The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.</p>
<b>31. Due diligence</b>	<p>31.1 UNDP reserves the right to undertake a due diligence exercise, aimed at determining to its satisfaction, the validity of the information provided by the Bidder. Such exercise shall be fully documented and may include, but need not be limited to, all or any combination of the following:</p> <ul style="list-style-type: none"> <li>a) Verification of accuracy, correctness and authenticity of information provided by the Bidder;</li> <li>b) Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team;</li> <li>c) Inquiry and reference checking with Government entities with jurisdiction on the Bidder, or with previous clients, or any other entity that may have done business with the Bidder;</li> <li>d) Inquiry and reference checking with previous clients on the performance on on-going or completed contracts, including physical inspections of previous works, as deemed necessary;</li> </ul>

	<ul style="list-style-type: none"> <li>e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder;</li> <li>f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.</li> </ul>
<b>32. Clarification of Bids</b>	<p>32.1 To assist in the examination, evaluation and comparison of Bids, UNDP may, at its discretion, request any Bidder for a clarification of its Bid.</p> <p>32.2 UNDP's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bids, in accordance with the ITB.</p> <p>32.3 Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bids.</p>
<b>33. Responsiveness of Bid</b>	<p>33.1 UNDP's determination of a Bid's responsiveness will be based on the contents of the bid itself. A substantially responsive Bid is one that conforms to all the terms, conditions, specifications and other requirements of the ITB without material deviation, reservation, or omission.</p> <p>33.2 If a bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.</p>
<b>34. Nonconformities, Repairable Errors and Omissions</b>	<p>34.1 Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation.</p> <p>34.2 UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p> <p>34.3 For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows:</p> <ul style="list-style-type: none"> <li>a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected;</li> <li>b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and</li> <li>c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail.</li> </ul> <p>34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.</p>

<b>E. AWARD OF CONTRACT</b>	
<b>35. Right to Accept, Reject, Any or All Bids</b>	35.1 UNDP reserves the right to accept or reject any bid, to render any or all of the bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. UNDP shall not be obliged to award the contract to the lowest priced offer.
<b>36. Award Criteria</b>	36.1 Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price.
<b>37. Debriefing</b>	37.1 In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
<b>38. Right to Vary Requirements at the Time of Award</b>	38.1 At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or services, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
<b>39. Contract Signature</b>	39.1 Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP. Failure to do so may constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security, if any, and on which event, UNDP may award the Contract to the Second highest rated or call for new Bids.
<b>40. Contract Type and General Terms and Conditions</b>	40.1 The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at <a href="http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html">http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html</a>
<b>41. Performance Security</b>	41.1 A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at <a href="https://popp.undp.org/layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&amp;action=default">https://popp.undp.org/layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&amp;action=default</a> within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
<b>42. Bank Guarantee for Advanced Payment</b>	42.1 Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at <a href="https://popp.undp.org/layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&amp;action=de">https://popp.undp.org/layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&amp;action=de</a>

	<a href="#">fault</a>
<b>43. Liquidated Damages</b>	43.1 If specified in the BDS, UNDP shall apply Liquidated Damages for the damages and/or risks caused to UNDP resulting from the Contractor's delays or breach of its obligations as per Contract.
<b>44. Payment Provisions</b>	44.1 Payment will be made only upon UNDP's acceptance of the goods and/or services performed. The terms of payment shall be within thirty (30) days, after receipt of invoice and certification of acceptance of goods and/or services issued by the proper authority in UNDP with direct supervision of the Contractor. Payment will be effected by bank transfer in the currency of the contract.
<b>45. Vendor Protest</b>	45.1 UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures: <a href="http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html">http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html</a>
<b>46. Other Provisions</b>	<p>46.1 In the event that the Bidder offers a lower price to the host Government (e.g. General Services Administration (GSA) of the federal government of the United States of America) for similar goods and/or services, UNDP shall be entitled to the same lower price. The UNDP General Terms and Conditions shall have precedence.</p> <p>46.2 UNDP is entitled to receive the same pricing offered by the same Contractor in contracts with the United Nations and/or its Agencies. The UNDP General Terms and Conditions shall have precedence.</p> <p>46.3 The United Nations has established restrictions on employment of (former) UN staff who have been involved in the procurement process as per bulletin ST/SGB/2006/15 <a href="http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&amp;referer">http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&amp;referer</a></p>



## Section 3. Bid Data Sheet

The following data for the goods and/or services to be procured shall complement, supplement, or amend the provisions in the Invitation to Bid In the case of a conflict between the Instructions to Bidders, the Bid Data Sheet, and other annexes or references attached to the Bid Data Sheet, the provisions in the Bid Data Sheet shall prevail.

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Allowed [The civil work is divided into 2 LOTs (LOT 1 third floor on top of RCO building, LOT 2 Fourth Floor on top of the operation's Building). Bidder can be awarded ONLY one LOT]
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid Site visit	<p>Required <b>Mandatory Requirement</b></p> <p>The site visit is mandatory. All interested bidders are requested to conduct the site visit. <b>Bidders not attending the site visit will NOT be considered for further evaluation and bids will be rejected.</b></p> <p>An organized site visit is arranged as per below details:</p> <p><b>Time:</b> 11:00 PM, Sana'a Time  <b>Date:</b> Wednesday, October 05, 2022  <b>Venue:</b> UNDP Country office, 60 Road Street, Opposite to Ministry of Human Rights, Sana'a, Yemen</p> <p><b>Note:</b> the site visit is aimed to provide the Bidders the opportunity to have better understanding of the requirement /Scope of work before sending the formal bid to UNDP. Bidders can raise any technical question during the site visit.</p>
5	16	Bid Validity Period	90 days

6	13	Bid Security	<p>Required in the amount of USD 5,000</p> <p>Mandatory Requirement – Bid Security should be submitted prior to the deadline of the tender and valid for a period of 120 days from the date of initial deadline.</p> <p>Issued in the name of Resident Representative, UNDP Yemen as per the template provided at:</p> <p>Form: Section 6- Form G- Form of Bid Security or Certified Cheque</p> <p>UNDP reserves the right to reject any bid security when the information provided above cannot be verified by UNDP</p> <p>Acceptable forms of Bid Security:</p> <p><input checked="" type="checkbox"/> Bank Guarantee (See Section 6- Form G for template)</p> <p><input checked="" type="checkbox"/> Any Bank-issued Check / Cashier's Check / Certified Check</p>
7	41	Advanced Payment upon signing of contract	Not Allowed
8	42	Liquidated Damages	<p>Will be imposed as follows:</p> <p>0.3% penalty against the total Contract/PO value for each day of delay caused in supplying/delivering and installing the required items beyond agreed project completion period. UNDP reserves the right to determine the delay item-wise or overall completion depending on the work schedule timeline for completion of the works</p> <p>When the penalty amount reaches up to a maximum of 10% of the total PO/Contract amount, UNDP may cancel the PO. When such delays occur frequently, UNDP reserves the right to terminate the contract (or cancel the PO/Contract) at its own discretion.</p> <p>Max. number of days of delay tolerable = 33 days only, after which UNDP may cancel the PO/Contract.</p>
9	40	Performance Security	<p>Required in the percentage of 10% of total PO/Contract</p> <p>This amount will be kept as Retention Money to cover the Defect Liability period* of 12 months after Contract completion date.</p> <p>Performance security to be submitted within 15 days from the date of contract signature/PO issuance</p>
10	12	Currency of Bid	<p>United States Dollar; OR Yemeni Riyals (YER) at the discretion of the bidder. The contract will be signed in the currency in which bidder has submitted their bid. UNDP will use the UN Operational exchange rate prevalent on the last day of bid</p>

			closure for the purpose converting the currency for the bid comparison purpose.
11	31	Deadline for submitting requests for clarifications/ questions	7 days before the submission deadline
12	31	Contact Details for submitting clarifications/questions	Procurement unit procurement.yemen@undp.org Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.
13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	A bid bulletin will be prepared and uploaded into the e-Tendering portal and all the website in which the tender is published. It is the responsibility of the bidders to view the respective changes and clarifications in the following system, but not limited to, as follows:  <a href="http://procurement-notice.undp.org/index.cfm">http://procurement-notice.undp.org/index.cfm</a>  <a href="http://www.ungm.org">http://www.ungm.org</a> <a href="https://etendering.partneragencies.org">https://etendering.partneragencies.org</a>
14	23	Deadline for Submission	e-Tendering submission - as indicated in e-Tendering system. Note that system time zone is in EST/EDT (New York) time zone. <u>e-Tendering Portal</u> <a href="https://etendering.partneragencies.org">https://etendering.partneragencies.org</a> <u>E-tendering event ID: 0000013760</u> Note: Any hard-copy submission or email submission will be rejected without assigning any reason whatsoever.
14	22	Allowable Manner of Submitting Bids	<input checked="" type="checkbox"/> e-Tendering system Please refer to the attached e-Tendering User Guide for Bidders which describes the entire process from registration to bid submission to contract award notification.  Also refer to this link and you tube video. <a href="http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notice/resources/">http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notice/resources/</a>  <a href="https://www.youtube.com/watch?v=Trv1FX6reu8&amp;feature=youtu.be">https://www.youtube.com/watch?v=Trv1FX6reu8&amp;feature=youtu.be</a>
15	22	Bid Submission Address	<u>e-Tendering Portal</u> <a href="https://etendering.partneragencies.org">https://etendering.partneragencies.org</a>

			<u>E-tendering event ID: 0000013760</u>
16	22	Electronic submission (email or eTendering) requirements	<ul style="list-style-type: none"> <li>▪ Format: PDF files only</li> <li>▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard.</li> <li>▪ All files must be free of viruses and not corrupted.</li> <li>▪ Max. File Size per transmission: 5MB</li> <li>▪ If you are uploading a large number of files (ex. 15 or more), please zip the files into a ZIP/rar folder and upload the folder instead of each file individually. You can upload several ZIP/rar folders, but if you do this, Mandatory subject of email: <b>ITB-YEM-0096-2022</b>.</li> <li>▪ Scanned PDF copy for Original Bid Security should be uploaded in e-Tendering system.</li> </ul>
17	25	Date, time and venue for the opening of bid	Bidders will receive an automatic notification from the e-tendering system once their Bids are opened after the deadline for Bid submission date
18	27, 36	Evaluation Method for the Award of Contract	<p>Lowest priced technically responsive, eligible and qualified bid.</p> <ul style="list-style-type: none"> <li>✓ Non-discretionary "Pass" or "Fail" rating on the detailed contents of the Schedule of Requirements and Technical Specifications</li> <li>✓ Compliance to the qualification requirements.</li> </ul> <p>Evaluation Criteria: It will consist of 3 stages, namely stag of eligibility &amp; Preliminary Evaluation; Qualification Assessment; and Technical and Financial Bid Evaluation.</p> <p><b><u>Stage 1:</u></b> Eligibility and Preliminary evaluation: The following are examples of not meeting the eligibility and qualification:</p> <ul style="list-style-type: none"> <li>• Bidder is ineligible against UN vendor sanction lists.</li> <li>• Bid does not include the signed and stamped Bid Submission Form as per the instructions in the ITB.</li> <li>• Bidder failed to meet the bid validity (90 days) or Bid Security (120 days)</li> <li>• The Bidder failed to read the minutes of the bidders' conference and to include the relevant points in their bid.</li> <li>• The bidder proposes a major deviation to ITB Technical Requirement and Specification.</li> <li>• The Bidder failed to consult the UNDP website and e-Tendering event before the deadline for bid submission</li> </ul>

			<p>and did not see the changes to the ITB/SPECS listed there which need to be incorporated in the bid.</p> <ul style="list-style-type: none"> <li>• In the case of JV, the bidder does not designate lead partner</li> <li>• The bidder declines or proposes a major deviation to UNDP General Conditions of Contract.</li> </ul> <p><b><u>Stage 2: Qualification Assessment:</u></b></p> <ul style="list-style-type: none"> <li>✓ Minimum 5 years of experience in civil works</li> <li>✓ Minimum number of PO/contracts in civil work over the past 5 years [previous 3 contracts/purchase orders]; with at least two (02) implemented contracts should be equal or above <b><u>US\$ 250,000</u></b>. <i>Note: Copy of contracts and certification of completion to be provided.</i></li> <li>✓ In case of JV, the Lead Partner should meet the requirement of minimum one (02) project similar in nature and value of <b><u>US\$ 250,000</u></b></li> <li>✓ Time schedule that explains the various civil work; electrical, etc. works</li> <li>✓ Qualifications and suitability of the key personnel proposed for the contract including their previous experience with same type of assignment: <ul style="list-style-type: none"> <li>- Project Manager: shall have a University Degree in Civil engineering/Architecture and minimum of 10 years of relevant experience of work of an equivalent nature.</li> <li>- Site Engineer: shall have a University Degree in Civil engineering and minimum of 5 years of relevant experience of work of an equivalent nature and must have worked/handled at least two (02) similar projects.</li> <li>- Electrical Engineer: shall have a University Degree in Electrical engineering and minimum of 5 years of relevant experience of work of an equivalent nature and must have worked/handled at least two (02) similar projects.</li> </ul> <p>(CVs to be provided for the personnel proposed for the contract).</p> </li> </ul> <p><b><u>Stage 3: Technical/Financial evaluation process:</u></b>  <b><u>Technical Evaluation:</u></b></p> <ul style="list-style-type: none"> <li>✓ Full compliance of Bid to the Technical requirements, Specifications, BOQ and drawings.</li> <li>✓ Reference Letters from the top 3 Clients over the last 5 years to whom civil work conducted.</li> </ul>
--	--	--	---

			<ul style="list-style-type: none"> <li>✓ Implementation Timeline (to match the period stated in the ITB – 4 months for each LOT).</li> <li>✓ Availability of necessary equipment required to execute the project (Annex A "List of Equipment Owned/Rented by the Company" must be provided with the bid)</li> <li>✓ Acceptance to the General Terms and Conditions of UNDP's Standard Contract for Works.</li> </ul> <p><b>Financial Evaluation:</b></p> <ul style="list-style-type: none"> <li>✓ Financial standing: Bank Statement (year-wise for last 2 years, 2020 and 2021) or audited financial reports for last 2 years (2020 and 2021) with Minimum annual turnover of USD 500,000.00 in two years to demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability.</li> <li>✓ Competitiveness of substantially responsive Bidder's price against the prices offered by other substantially responsive bids.</li> </ul> <p><b>Award Criteria:</b></p> <p>Financial offers of the substantially responsive bid(s) shall be compared. The lowest priced substantially responsive bid shall be recommended for contract/PO award/LOT.</p>
19		Expected date for commencement of Contract	<i>October 31, 2022</i>
20		Maximum expected duration of contract	4 months from the date of contract commencement (PO will be made available on or before contract commencement). Contract will commence in accordance with date mentioned in the letter issued by UNDP Engineering Unit
21	35	UNDP will award the contract to:	<ul style="list-style-type: none"> <li>✓ Only one bidder per LOT.</li> </ul> <p>Bidders may elect to submit offers for one or more lots.</p> <ul style="list-style-type: none"> <li>• Bids not quoting for all (100%) items and in the quantities specified under a lot will be considered incomplete and will be disregarded.</li> <li>• UNDP will evaluate the bids for each individual lot on a mutually exclusive basis.</li> <li>• Same bidder cannot be awarded two LOTs</li> </ul>
22	39	Type of Contract	Civil Work contract and Purchase Order <a href="http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html">http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html</a>
23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Contracts <a href="http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html">http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html</a>
24		Other Information Related to the ITB	1) <i>Noise at the construction site and cleanliness is extremely important to keep the surrounding working offices intact;</i>

			<p>2) <i>Contractor may require implementing the night shift (our outside office hours) in order to prevent noise and discomfort during the daytime to the neighbouring buildings occupied by UNDP, OCHA staff</i></p> <p>3) <i>Contract extension beyond the initial contract period of 4 months is a least possibility. The contractor must complete the works within the contract period</i></p> <p>4) <i>The contractor must implement the Occupational Safety and Health standards to protect its staff and visitors to the site</i></p>
--	--	--	---

## Section 4. Evaluation Criteria

### Preliminary Examination Criteria

Bids will be examined to determine whether they are complete and submitted in accordance with ITB requirements as per below criteria on a Yes/No basis:

- Appropriate signatures
- Power of Attorney
- Minimum Bid documents provided
- Bid Validity
- Valid business registration document

### Minimum Eligibility and Qualification Criteria

Eligibility and Qualification will be evaluated on a Pass/Fail basis.

If the Bid is submitted as a Joint Venture/Consortium/Association, each member should meet the minimum criteria, unless otherwise specified.

Subject	Criteria	Document Submission requirement
<b>ELIGIBILITY</b>		
<b>Legal Status</b>	Vendor is a legally registered entity.	Form B: Bidder Information Form
<b>Eligibility</b>	Vendor is not suspended, nor debarred, nor otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization in accordance with ITB clause 3.	Form A: Bid Submission Form
<b>Conflict of Interest</b>	No conflicts of interest in accordance with ITB clause 4.	Form A: Bid Submission Form
<b>Bankruptcy</b>	Has not declared bankruptcy, is not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against the vendor that could impair its operations in the foreseeable future.	Form A: Bid Submission Form
<b>Certificates and Licenses</b>	<ul style="list-style-type: none"> <li>▪ Duly authorized to act as Agent on behalf of the Manufacturer, or Power of Attorney, if bidder is not a manufacturer</li> <li>▪ Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country</li> <li>▪ Patent Registration Certificates, if any of technologies submitted in the Bid is patented by the Bidder</li> <li>▪ Export/Import Licenses, if applicable</li> </ul>	Form B: Bidder Information Form
<b>QUALIFICATION</b>		
<b>History of Non-Performing</b>	Non-performance of a contract did not occur as a result of contractor default for the last 3 years.	Form D: Qualification Form



<b>Contracts<sup>1</sup></b>		
<b>Litigation History</b>	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
<b>Previous Experience</b>	Minimum 5 years of relevant experience in civil work	Form D: Qualification Form
	Minimum 3 contract for previous civil work over the last 5 years, with at least two (02) implemented contracts should be equal or above US \$ 250,000.00. Copy of contracts and certification of completion to be provided.	Form D: Qualification Form
	Note: In case of JV, the Lead Party should meet the requirement of minimum one (01) project similar in nature and value of US\$250,000.00 <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	
<b>Financial Standing</b>	Please provide the financial statement for the last 2 years. Financial standing: Bank Statement (year-wise for last 2 years, 2021 and 2020) or audited financial reports for last 2 years (2021 and 2020) with Minimum average annual turnover of USD 500,000 to demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i>	Form D: Qualification Form
<b>Technical Evaluation</b>	As stated in the Bid Data Sheet.	Form E: Technical Bid Form
<b>Financial Evaluation</b>	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the landed price, including transportation, insurance and the total cost of ownership (including spare parts, consumption, installation, commissioning, special packaging, etc., where applicable) Comparison with budget/internal estimates.	Form F: Price Schedule Form
<b>Price Deviations</b>	Bidders shall quote reasonable bid prices with an acceptable margin of deviation in comparison to the real local market prices at the time of bids preparation. In case of Unbalanced pricing (i.e.	

<sup>1</sup> Non-performance, as decided by UNDP, shall include all contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

	despite an acceptable total evaluated price, the price of one or more BOQ line items is significantly over or understated), UNDP has the right to reject the unreasonable bid if it determines that the lack of reasonableness does pose an unacceptable Risk to UNDP.	
--	--	--

## Section 5a: Schedule of Requirements and Technical Specifications/Bill of Quantities

---

### Civil works for Construction of Additional floors on top of Operations and RCO buildings in UNDP Compound Sana'a, Yemen

**Location:** UNDP Country office, 60 Road Street, Opposite to Ministry of Human Rights, Sana'a, Yemen

#### Statement of Works (SoW)

- The Contractors is required to perform/execute the **Civil works for Construction of additional third floor on top of RCO building and additional fourth floor on top of Operations building in UNDP Compound Sana'a, Yemen**, as per the Bill of Quantities, Drawings and Technical Specifications under the supervision and guidance of UNDP Engineer.
- The Contractor shall implement the project based on a detailed Construction Work Schedule, which shall be approved by UNDP Engineer.
- The Contractor is expected to produce/performance works conforming to quality/quantity and accuracy as stated in the detailed specification. The Contractor is to institute a quality control system to ensure adequate monitoring of the works progress at all times.
- The Contractor is required to adhere to UNDP Social and Environmental Safeguard Standards and comply with Occupational Health and Safety.
- The specified works are all provisional, including provision of materials and workmanship. If any alteration required, it will be done after Engineer's instruction.
- For coordination and communication facilitation, the contractor must assign an Engineer with access to the internet.
- All tender supporting documents must be signed.
- Technical Qualifications shall comply with those that are stated in the Data sheet and Bill of Quantities without deviation.
- Partial Bids are acceptable per lot, the Bidder can be awarded **ONLY** one LOT. If a bidder provides the lowest price for more than one lot, the final distribution of lots to contractors, shall take into consideration the lowest financial impact for UNDP.

#### **TERMS OF DELIVERY:**

- The construction works to be executed are to be completed within **four (4) months** from the date of the notice to commence.

#### **DELIVERY LOCATION/CONSTRUCTION SITES:**

#	Description	Location	QTY
Lot 1	Provision of Civil works for Construction of additional third floor on top of RCO building	UNDP Country office, 60 Road Street, Opposite to Ministry of Human Rights, Sana'a, Yemen	As per BOQs, Drawings and Technical specification
Lot 2	Provision of Civil works for Construction of additional fourth floor on top of Operations building	UNDP Country office, 60 Road Street, Opposite to Ministry of Human Rights, Sana'a, Yemen	As per BOQs, Drawings and Technical specification

## Section 5b: Other Related Requirements

Further to the Schedule of Requirements in the preceding Table, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfillment of the requirements: *[check the condition that applies to this ITB, delete the entire row if condition is not applicable to the goods being procured]*

Delivery Term [INCOTERMS 2010] (Pls. link this to price schedule)	Choose an item. UNDP is exempted from customs duties and direct taxes, therefore, if supplier require UNDP Exemption Certificate, UNDP will provide it.
Exact Address of Delivery/Installation Location	60 Road Street Opposite to Ministry of Human Rights Sana'a, Yemen
Mode of Transport Preferred	Other _____ It is the responsibility of the vendor to select the appropriate mode as long as they deliver the required building materials/equipment meeting quality standards and required timeline
UNDP Preferred Freight Forwarder, if any <sup>2</sup>	N/A
Distribution of shipping documents (if using freight forwarder)	N/A
Customs, if required, clearing shall be done by:	Supplier
Ex-factory / Pre-shipment inspection	N/A
Inspection upon delivery	The UNDP shall inspect the building materials/equipment on receipt at destination.  In case the goods fully comply with the contract specifications, UNDP shall issue the Delivery and Acceptance Certificate, which will be the supporting document for payment upon delivery of equipment.  In case the goods do not fully comply with the contract specifications, the goods will not be accepted and received by UNDP.  If the equipment fails to meet the contract specifications, the Supplier shall take immediate steps to remedy the deficiency

<sup>2</sup>A factor of the Incoterms stipulated in the ITB. The use of a UNDP preferred freight forwarder may be considered for purposes of ensuring forwarder's familiarity with procedures and processing of documentary requirements applicable to UNDP when clearing with customs authority of the country of destination.

	or replace the entire defective equipment at their own cost to the specified specification
Installation Requirements	As per BOQ instructions
Testing Requirements	All materials and equipment should be tested according to the required standard specification.
Scope of Training on Operation and Maintenance	As per BOQ & drawings
Commissioning	As per BOQ
Warranty Period	As per BOQ
Local Service Support	As per BOQ & drawings
Technical Support Requirements	As per BOQ
After-sale services Requirements	As per BOQ
Payment Terms (max. advanced payment is 20% as per UNDP policy)	Choose an item. Submission of Running Bills (and invoice) and acceptance/certification by UNDP Engineer  Submission of invoice and acceptance/certification by UNDP Engineer. UNDP Yemen office will release monthly payments for the Works satisfactorily implemented by the Contractor and accepted by UNDP during the implementation of contract.
Conditions for Release of Payment	<input type="checkbox"/> Pre-shipment inspection (by Supplier) <input type="checkbox"/> Inspection upon arrival at destination (by UNDP) <input type="checkbox"/> Testing – if requested by UNDP <input checked="" type="checkbox"/> Written Acceptance (by UNDP) of civil work on full compliance with ITB requirements and BOQ & drawings <input checked="" type="checkbox"/> Submission of Original Invoice to UNDP
All documentations, including catalogues, instructions and operating manuals, shall be in this language	English

## Section 6: Returnable Bidding Forms / Checklist

---

This form serves as a checklist for preparation of your Bid. Please complete the Returnable Bidding Forms in accordance with the instructions in the forms and return them as part of your Bid submission. No alteration to format of forms shall be permitted and no substitution shall be accepted.

Before submitting your Bid, please ensure compliance with the Bid Submission instructions of the BDS 22.

### Technical Bid:

<b>Have you duly completed all the Returnable Bidding Forms?</b>	
▪ Form A: Bid Submission Form	<input type="checkbox"/>
▪ Form B: Bidder Information Form	<input type="checkbox"/>
▪ Form C: Joint Venture/Consortium/ Association Information Form	<input type="checkbox"/>
▪ Form D: Qualification Form	<input type="checkbox"/>
▪ Form E: Format of Technical Bid/Bill of Quantities	<input type="checkbox"/>
▪ Form G: Form of Bid Security	<input type="checkbox"/>
▪ [Add other forms as necessary]	<input type="checkbox"/>
<b>Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?</b>	<input type="checkbox"/>

### Price Schedule:

▪ Form F: Price Schedule Form	<input type="checkbox"/>
-------------------------------	--------------------------

**FORM A: BID SUBMISSION FORM**

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

We, the undersigned, offer to supply the goods and related services required for [Insert Title of goods and services] in accordance with your Invitation to Bid No. ITB-YEM-0025-2022 and our Bid. We hereby submit our Bid, which includes this Technical Bid and Price Schedule.

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency].

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

- a) is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists;
- b) have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization;
- c) have no conflict of interest in accordance with Instruction to Bidders Clause 4;
- d) do not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with our firm in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15);
- e) have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future;
- f) undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we embrace the principles of the United Nations Supplier Code of Conduct and adhere to the principles of the United Nations Global Compact.

We declare that all the information and statements made in this Bid are true and we accept that any misinterpretation or misrepresentation contained in this Bid may lead to our disqualification and/or sanctioning by the UNDP.

We offer to supply the goods and related services in conformity with the Bidding documents, including the UNDP General Conditions of Contract and in accordance with the Schedule of Requirements and Technical Specifications.

Our Bid shall be valid and remain binding upon us for the period specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Bid you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] to sign this Bid and bind it should UNDP accept this Bid.

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

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

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

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

*[Stamp with official stamp of the Bidder]*

**FORM B: BIDDER INFORMATION FORM**

<b>Legal name of Bidder</b>	[Complete]
<b>Legal address</b>	[Complete]
<b>Year of registration</b>	[Complete]
<b>Bidder's Authorized Representative Information</b>	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
<b>Are you a UNGM registered vendor?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No    If yes, [insert UGNM vendor number]
<b>Are you a UNDP vendor?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No    If yes, [insert UNDP vendor number]
<b>Countries of operation</b>	[Complete]
<b>No. of full-time employees</b>	[Complete]
<b>Quality Assurance Certification (e.g. ISO 9000 or Equivalent)</b> <i>(If yes, provide a Copy of the valid Certificate):</i>	[Complete]
<b>Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment?</b> <i>(If yes, provide a Copy of the valid Certificate):</i>	[Complete]
<b>Does your Company have a written Statement of its Environmental Policy?</b> <i>(If yes, provide a Copy)</i>	[Complete]
<b>Does your organization demonstrates significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues</b>	[Complete]
<b>Is your company a member of the UN Global Compact</b>	[Complete]
<b>Contact person that UNDP may</b>	Name and Title: [Complete]



<b>contact for requests for clarifications during Bid evaluation</b>	Telephone numbers: [Complete] Email: [Complete]
<b>Please attach the following documents:</b>	<ul style="list-style-type: none"> <li>▪ Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the provision of civil works completed</li> <li>▪ Organization chart clearly depicting the names of the shareholders-Optional.</li> <li>▪ Valid Certificate of Incorporation, Tax or Business Registration. Interested bidders must have appropriate permission/registration to operate in Yemen.</li> <li>▪ PO / Contract as per Bid Data Sheet above.</li> <li>▪ Latest Audited Financial Statement (Income statement and Balance Sheet) including Auditor's report for the last three years;</li> <li>▪ Form A: Bid Submission Form</li> <li>▪ Form B: Bidder Information Form</li> <li>▪ Form C: Joint Venture/Consortium/ Association Information Form, if applicable</li> <li>▪ Form D: Qualification Form</li> <li>▪ Form E: Format of Technical Bid (Technical compliance sheet)</li> <li>▪ Form F: Price Schedule Form</li> <li>▪ Form G: Please use this form when you prepare the bid security.</li> <li>▪ Form H: Site Inspection Form</li> <li>▪ Capacity to undertake civil works including previous experience with similar type of works: Minimum of three (3) projects/ similar contracts successfully implemented during the past 5 years, with at least two implemented contracts should be equal or above US \$ 250,000.00. Copy of contracts and certification of completion to be provided together with the bid.</li> <li>▪ Reference Letter from the top 3 clients in the past 5 years.</li> <li>▪ Implementation Timeline (4 months) - Bidder should share the detailed project implementation timetable</li> <li>▪ CVs of the Company's proposed team stated in the Bid Data Sheet</li> <li>▪ Bid Security (copies should be attached with Technical Proposal), Original to be submitted to UNDP before contract signing</li> <li>▪ Agreement to provide the notarized version of JV Agreement in case of contract award to JV, if bid is submitted as JV</li> </ul>

- List of Equipment stated in Annex A of this ITB, conforming that the firm has the ability to supply the to the construction Site

Form C: Joint Venture/Consortium/Association Information Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

To be completed and returned with your Bid if the Bid is submitted as a Joint Venture/Consortium/Association.

No	Name of Partner and contact information (address, telephone numbers, fax numbers, e-mail address)	Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed
1	[Complete]	[Complete]
2	[Complete]	[Complete]
3	[Complete]	[Complete]

<b>Name of leading partner</b> (with authority to bind the JV, Consortium, Association during the ITB process and, in the event a Contract is awarded, during contract execution)	[Complete]
--	------------

We have attached a copy of the below referenced document signed by every partner, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture:

☐ Letter of intent to form a joint venture      **OR**      ☐ JV/Consortium/Association agreement

We hereby confirm that if the contract is awarded, all parties of the Joint Venture/Consortium/Association shall be jointly and severally liable to UNDP for the fulfillment of the provisions of the Contract.

Name of partner: _____	Name of partner: _____
Signature: _____	Signature: _____
Date: _____	Date: _____
 Name of partner: _____	 Name of partner: _____
 Signature: _____	 Signature: _____
 Date: _____	 Date: _____

**FORM D: ELIGIBILITY AND QUALIFICATION FORM**

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

If JV/Consortium/Association, to be completed by each partner.

**History of Non- Performing Contracts**

<input type="checkbox"/> Non-performing contracts did not occur during the last 3 years			
<input type="checkbox"/> Contract(s) not performed in the last 3 years			
Year	Non- performed portion of contract	Contract Identification	Total Contract Amount (current value in US\$)
		Name of Client: Address of Client: Reason(s) for non-performance:	

**Litigation History** (including pending litigation)

<input type="checkbox"/> No litigation history for the last 3 years			
<input type="checkbox"/> Litigation History as indicated below			
Year of dispute	Amount in dispute (in US\$)	Contract Identification	Total Contract Amount (current value in US\$)
		Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute: Party awarded if resolved:	

**Previous Relevant Experience**

Please list only previous similar assignments successfully completed in the last 5 years.

List only those assignments for which the Bidder was legally contracted or sub-contracted by the Client as a company or was one of the Consortium/JV partners. Assignments completed by the Bidder's individual experts working privately or through other firms cannot be claimed as the relevant experience of the Bidder, or that of the Bidder's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Bidder should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by UNDP.

Project name & Country of Assignment	Client & Reference Contact Details	Contract Value	Period of activity and status	Types of activities undertaken

Bidders may also attach their own Project Data Sheets with more details for assignments above.

☐ Attached are the Statements of Satisfactory Performance from the Top 3 (three) Clients or more.

## Financial Standing

<b>Annual Turnover for the last 3 years</b>	Year	USD
	Year	USD
	Year	USD
<b>Latest Credit Rating (if any), indicate the source</b>		

Financial information (in US\$ equivalent)	Historic information for the last 3 years		
	Year 1	Year 2	Year 3
	<i>Information from Balance Sheet</i>		
Total Assets (TA)			
Total Liabilities (TL)			
Current Assets (CA)			
Current Liabilities (CL)			
	<i>Information from Income Statement</i>		
Total / Gross Revenue (TR)			
Profits Before Taxes (PBT)			
Net Profit			
Current Ratio			

☐ Attached are copies of the audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following condition:

- Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
- Historic financial statements must be audited by a certified public accountant;
- Historic financial statements must correspond to accounting periods already completed and audited. No statements for partial periods shall be accepted.

**FORM E: FORMAT OF TECHNICAL BID**

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder's Bid should be organized to follow this format of the Technical Bid. Where the bidder is presented with a requirement or asked to use a specific approach, the bidder must not only state its acceptance, but also describe how it intends to comply with the requirements. Where a descriptive response is requested, failure to provide the same will be viewed as non-responsive.

**SECTION 1: Bidder's qualification, capacity and expertise**

- 1.1 General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted (if so, provide details).
- 1.2 Relevance of specialized knowledge and experience on similar engagements done in the region/country.
- 1.3 Quality assurance procedures and risk mitigation measures.
- 1.4 Organization's commitment to sustainability.

**1.5 Top (three or more) Projects implemented during the last 10 years:**

Project Description	Client	Amount in US\$	Year of Completion	% Completed

**SECTION 2: Scope of Supply, Technical Specifications, and Related Services**

This section should demonstrate the Bidder's responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the requirements/specifications. All important aspects should be addressed in sufficient detail.

- 2.1 A detailed description of how the Bidder will deliver the required goods and services, keeping in mind the appropriateness to local conditions and project environment. Details how the different service elements shall be organized, controlled and delivered.
- 2.2 Explain whether any work would be subcontracted, to whom, how much percentage of the requirements, the rationale for such, and the roles of the proposed sub-contractors and how everyone will function as a team.
- 2.3 The bid shall also include details of the Bidder's internal technical and quality assurance review mechanisms.
- 2.4 Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.
- 2.5 Demonstrate how you plan to integrate sustainability measures in the execution of the contract.

<b>Provision of new building in UNDP office according to the detail technical specification indicated in the BOQ &amp; Drawings</b> <i>(based on the information provided in Section 5b)</i>	<b>Compliance with requirements</b>		<b>Details or comments on the related requirements</b>
	<b>Yes, we comply</b>	<b>No, we cannot comply</b> <i>(indicate discrepancies)</i>	
Compliance to the required provision of civil work new building in UNDP office			
Bid validity period (90 days)			
Compliance to Bid Security Period of 120 Days			
<b>6 months</b> for project completion, which includes the civil work and installation of items ( <b>shorter implementation schedule will be an advantage at the evaluation stage</b> )			
Compliance to Warranty period mentioned in technical specs			

## LOT 1 Third floor on top of RCO building

<b>BOQs for additional/third floor on top of RCO building</b>			
<b>No</b>	<b>Item Description</b>	<b>Unit</b>	<b>QTY.</b>
<b>1</b>	<b>Demolition and Preparation Work:</b>		
1-1	Demolish work for the existing screed plain concrete on the roof and the roof of the existing staircase. Item includes relocate the water tanks to be on the roof to supply the building while working then install it again on the roof of the new staircase, dismantling for all the cables and pipes then reinstall them again, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer. (Tenderers are advised to visit the site and acquaint themselves with the surroundings and take any measurements to deem necessary as no claims will be accepted due to lack of knowledge of the site)	M <sup>2</sup>	290
1-2	Demolishing the decorative cement block on the windows , the wall of the staircase and the arch of the staircase windows, and demolition for the wall where the emergency door. Item includes dismantling for the two windows on the staircase, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer.	M <sup>2</sup>	85
1-3	Dismantling for the lighting then reinstall it again, item includes dismantling the cables and pipes then reinstall them again, hiding all the cables on the wall, cutting the wall, cabling, all the required works to make the lightings works and finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	6



1-4	<b>Dismantling for Steel Door:</b> Dismantling the existing staircase solid door with its frame then install it again on the new staircase roof. item includes lifting to the new location, fixing on Hex Bolt on Concrete Anchor size D 22mm* 25 cm, painting using a water proof paint, all the required works to finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	1
1-5	<b>Relocate air conditioner:</b> Relocate the existing outdoor unit of the air conditioner. Item includes increasing the pipe length, connecting the outdoor with indoor unit, the removing outdoor unit, then installing it, install fireoin, fixing on the wall, water pipes of the AC should be connected to the roof level, and all the necessary work to finish this item according the profession work, technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	3
1-6	Dismantling for the existing Solar water heater then reinstall it again on the new roof, item includes lifting, connecting all the water supply water using PP, fitting, all the required works to finish this item according to drawings, technical specifications and instructions the supervising engineer.	No.	2
1-7	supply and install steel scaffold stairs from the earth level to the first floor level to be used as a way to transport all materials and labors to work on the first floor without using the building's staircase and the yard of the building, item includes partitions and insulate the area of work, it should be carried out in accordance with the Health and Safety at Work. Items include: support of the scaffold, the staircase from the street should be moveable. All the requirement to finish these items according to the supervisor engineer instructions.	Lump.	1
<b>2</b>	<b>Concrete Work:</b>		
2	NOTE: All form works, and shuttering shall be new. Concrete items must include steel reinforcement with Fy 280 Grade 40, Supplying, Casting, vibrating, workmanship, scaffold, sleeves, grouting, adding material to join the old concrete with the new one, testing and providing test results certificates, storing and saving of samples, and curing concrete with 'f'c=30 Mpa, smooth face. Preliminary installations for Electrical, plumbing and floor drainage, due to excavation boarder, . All works must be in accordance with specifications, drawings and supervisor engineer instructions.	Note	

2-1	Supply and cast ready mix reinforced concrete Fcu = 35 Mpa for the columns as per drawings. according to the above specification	M <sup>3</sup>	6
2-2	Supply and cast ready mix reinforced concrete Fcu = 30 Mpa for the Ribbed Slabs and beams with steel reinforcement as per drawings. includes supply and install hollow cement blocks 20x20x40 cm.	M <sup>3</sup>	96
2-3	Supply and cast reinforced concrete Fcu = 30 Mpa for the stairs with beams at the middle according to the above specification	M <sup>3</sup>	6
2-4	Supply and install reinforced concrete (Fcu= 25 Mpa) for the <b>Lintel above the window with size 40x20cm</b> and length shall be extend at least 20 cm on both sides. with steel reinforcement (4Ø14 top and 4Ø14 bottom, and ties 1Ø8 @15 cm). according to drawings and the above specification.	L.M.	50
2-5	Ditto item 2.4, but <b>for Lintel above the doors with (20cmx20cm)</b> with steel reinforcement (2Ø14 top and 2Ø14 bottom, and ties 1Ø8 @20 cm),	L.M.	15
2.6	Supply and cast ready mix reinforced concrete Fcu = 25 Mpa for staircase roof item includes all the wooden temper with 6x3 in each 50 cm, plate with 14 mm, two layer of felt, then reinforced concrete with 10 cm thickness with 6 Ø 8 in both directions as per drawings. according to the above specification	M <sup>2</sup>	18
2.7	<b>Screed concrete works.</b> Supply and cast concrete screed slab class(C25) cast to falls not less than 3 cm thickness in drain point, rate to include lining and hunching 15x15cm with 45 degree to the side of roof screed and parapet including expansion joints every 3 m in both directions the all expansion joints shall be sealed with suitable insulation materials and formwork, placing, vibrating, shuttering, curing, complete as directed. The price include surface leveling, making good the harmed surfaces and edges and all surface finishing. The rate also includes supply and install roof water proofing membrane of bitumen rolls 4mm thick covered with quartz granules for main roof, parapet walls and primer coat GS at rate 25 kg/m2 installation of 15x15cm angle fillet 474 groove, groove sealant, groove cover, joints over lapping, backing sheets or pieces all around external and internal corners roof drains, and all necessary material to complete the works as per drawings, technical specification and UNDP Engineer's instructions.	M <sup>2</sup>	320
<b>3</b>	<b>Stone Works</b>		

3-1	<p><b><u>Cladding Stone Works:</u></b> Supply and Build Abaseri "" Tuff Stone for all exterior walls with over all 50 cm thickness. The cladding should be the same the existing Abaseri Tuff Stone with not less than 75 - 100 mm thick first class, and interior layer is BLAK stone the same existing with thickness between 35 to 40 cm. Item includes the middle filling shall be 60% concrete and 40% crash basalt stone, size, and texturing shall be in accordance with Engineer's instructions and approval full cut, full dressed stone masonry, finish as shown on drawings. Including cement mortar 1: 3 backing, external stone decoration frets cutting, jointing, pointing in white cement, fixings, fittings, accessories. Including cutting by electrical saw for the Abaseri stone, shaping and building of stone shall be in straight angles, including the corner stones electrical Saw Habbash with size between 15 to 30 cm, no twisting. the price includes preliminary installations for Electrical, plumbing and floor drainage and protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and any work to finish this item as per specifications and drawings and instructions the supervising engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	370
3-2	<p><b><u>Habash Stone Works:</u></b> Supply and Build black " Habash " stone around the exterior walls, and around the windows with the stone size 15 cm is not less than 5 cm. Item includes Item cutting by electrical saw for the Habash stone, shaping and building of stone shall be in straight angles, including the corner stones, no twisting, shape the same design and any work to finish this item as per specifications and drawings and instructions the supervising engineer.</p>	L.M.	300
<b>4</b>	<b>Cement Block Wall and Cladding Works</b>		
4.1	<p><b><u>Automatic Solid Block Works for Walls (20 cm Thick):</u></b> supply and install block building using automatic solid blocks (size 20x20x40) for interior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.</p>	M <sup>2</sup>	320.00

	measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.		
4.2	<p><b><u>Decorative Cement Block :</u></b> supply and install Decorative cement block for all windows on the roof with (size 25x25x10 cm); it should be done using a cement mortar 1:3 cement-sand. The building should be balanced, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.</p>	M <sup>2</sup>	60
4.3	<p><b><u>Plastering Work for External Walls:</u></b> supply, install and spray cement plastering 20 mm thick for external walls and parapet, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing Coat with (1:5) cement-sand. Item includes supply all materials, metal lathing 300 mm wide shall be nailed and fixed over all joints between structural elements and block work or other types of finish before plastering commences, galvanized angle for the corners, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	50
4.4	Supply and install double Qamaria decorative made of Gypsum with 5 cm thickness. Item includes drawing on the Qamaria with lines, making a hole, coloring glass with 4mm thickness, the line between the hole thickness of 1.5 cm, fixing, transferring and all the requirement to finish this item according to drawings, specifications, conditions and directed instructions by the engineer or his representative.	M <sup>2</sup>	13

4.5	<p><b><u>Internal Plastering Work:</u></b>Supply, install and spray cement plastering 13 mm thick for all ceiling and eternal walls, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing coat 1:3 as per in the drawings. Item includes supply all materials, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all joints between structural elements and blockwork or other types of finish before plastering commences, galvanized angle for the corners, arounds the doors and windows, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	800
4.6	Ditto item (4.5) , but for the ceiling	M <sup>2</sup>	300
4.7	<p><b><u>Supply and apply anti humidity and water proof emulsion paint for exterior wall of the staircase:</u></b> Supply and apply anti humidity and water proof emulsion paint, three coats with the required color. The work includes cleaning the surfaces of dust, dirt, stuck, and etc. sanding, priming, applying 2 finishing coats, and doing all it needs to finish the work properly, according to the technical rules and the engineer's instructions</p>	M <sup>2</sup>	110
4.8	<p><b><u>Painting Work for Internal walls:</u></b> Supply and install first class painting for Internal walls and partition, three layers. One undercoat primer and min. two-coats of oil paint without any smell. The item shall includes surface preparation, and cleaning the surfaces properly of dust, dirt, stuck, and etc., sanding, priming, putty, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	800

4.9	<p><b><u>Painting Work for the Ceiling:</u></b>  Supply and install first class painting for ceiling with three layers of water paint. the item shall includes preparing surface, clean, remove dust, sanding, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer.  measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	300
<b>5</b>	<b>TILING, AND FLOORING WORKS.</b>		
5.1	<p><b><u>Building floors tiling.</u></b>  Supply and install non-slip 60x15x1cm Wood-Look Ceramic tiles Spanish class (A) for first floor. The tiles shall be laid and fixed in patterns, style and forms as directed by the Engineer. The price should include 2.5cm mortar bed with approved highly adhesive materials and 5cm thick sand bed, cutting&amp; trimming around floor utilities opening. Item include all required finishing including Pointing, grouting, cleaning, and polishing ... etc. as per design drawings, technical specifications and directed by UNDP Engineer.</p>	M <sup>2</sup>	266
5.2	<p><b><u>Skirting.</u></b>  Supply &amp; install a good quality Wood-Look Ceramic skirting from the same type with the same color, size 60x10 cm chips, according to specifications and engineer's instructions. (Spain made)</p>	L.M.	235
5.3	<p><b><u>Bathrooms walls tiling.</u></b>  Supply and install UNIK R90 WHITE 30X90 CM GLOSSY AZTECA SPANISH PORCELAIN &amp; AZTECA EMOTION BLANCO 30X60 CM SPANISH PORCELAIN class (A) tiles for walls cladding of five-bathroom in different colors and size as detailed in design drawings and approved by the UNDP Engineer. The tiles shall be laid and fixed in patterns, style and forms of grouting&amp; jointing as per design drawings using approved adhesive materials. The price also includes the cost of surface preparation to receive tiles, which shall include two coats of cement plaster (scratch and float coat), approved adhesive materials, for walls, grouting and chamfer the corner of tiles where required. All according to design drawings, technical specifications and the UNDP Engineer instructions.</p>	M <sup>2</sup>	110

5.4	<b><u>Bathrooms floors.</u></b> Supply and install non-slip FIRST QUALITY 45X45 CM BIANCO VENA PORCELAIN tiles for five-bathroom floor cladding with all required works, as specified and approved by the Engineer. The price includes the mortar (1:3) the sand cement fills and 10 cm plain concrete. The color of the tiles shall be as chosen by the Engineer. The price shall include insulation works under floor tiles with water proofing membrane of bitumen rolls 5mm thick covered with quartz granules and primer coat GS at rate 25 kg/m <sup>2</sup> and all necessary material to complete the works as shown in the shop drawings, technical specifications and the UNDP Engineer instructions. .	M <sup>2</sup>	25
5.5	<b><u>Staircase Tiles:</u></b> Supply and fix marble white color (Italian -made or equivalent ) or for the run and rise of the staircase with size 120*30* 3 cm it should be curvature at the edge. Item includes skirting and bedded on cement and sand mortar 1:3 laid on a dry mixed sand and cement backfill. Grouting and final polishing as per specifications, drawings and supervisor engineer's instructions or his representative. tiles shall be as chosen by the Engineer.	L.M.	30
5.6	Ditto, but for staircase landing. Price shall include marble skirting.	M <sup>2</sup>	16
<b>6</b>	<b>Aluminum &amp; Wooden Works:</b>		
6.1	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 100 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm form the side sand 15cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	6
6.2	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 900 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm form the side sand 15cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to	No.	2

	drawings, specifications, conditions and directed instructions by the Engineer or his representative.		
6.3	<p><b><u>Two-leaf Aluminum door.</u></b></p> <p>Supply, and install two-leaf Wood-Look Aluminum door (D7) size (1x1m) with 180° movement, item include fiberglass 4 mm thick two sides with over all thickness 8 mm Wooden color, all accessories, handles, locks, hinges, rubber. With all required sealants, accessories and hard ware as per shop drawings, technical specification and the instructions of supervising Engineer.</p>	NO	1
6.4	<p><b><u>Wooden Door</u></b></p> <p>Supply and install a wooden door (meranti wood) for each bathroom with size 1.3 x 220 cm*4.5 cm ( Two leaf ). Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm form the side sand 15cm from the top, hard wood for exposed edge high quality, color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p>	No.	1
6.5	<p><b><u>Aluminum window:</u></b></p> <p>supply and install sliding Aluminum windows for all windows, with 2 mm special section ( France or equivalent ), wooden look coat . Item includes self drilling screws with 12 cm length and 12mm Diameter each 20 cm, fly screens, silicon sealant, supplying, workmanship, fixation, double glass 6mm each layer, handles, Italian wheels, and locked. Item includes all necessary works are needed such as brushes, rubber EPDM to complete the work according to drawings, specifications, conditions and directed instructions by the engineer or his representative,</p>	M <sup>2</sup>	45



6.6	<b>Anti-blast film to protect windows.</b> Supply and install SRF (Anti-Shatter Resistance Films) on all Glass Windows all floors. The film color is clear. The film shall have a nominal thickness 0.304 mm (12 mil), film material shall consist of an optically clear polyester film, with a durable acrylic abrasion resistant coating over the surface. The film color is clear, elongation to break 130% and tensile strength 172 Mpa. Item include all the requirement to finish this item according to the technical specifications, instruction of supervisor engineer. The contractor must submit a sample before implemented the work	M <sup>2</sup>	45
<b>7</b>	<b>Metal and Security Work</b>		
7.1	<b>Supply and install Armored steel door.</b> In square meter: Heavy duty Armored steel door (bullet proof). Supply and installation of heavy duty security (bullet proof protection level) steel door total thickness not less than 5 cm with steel angles and frames of approved quality and thickness. It also includes brass joint, locks and handles, painting with anti-rust, and anti-humidity paint, painting two layers ( water proof ), and all finishing works according to drawings and technical specifications. Blast-Resistant External Frame size 50cm *10 *6mm*2 - Blast-Resistant Internal Frame size 50mm * 100mm * 3 mm - A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical. - Gears for the movement. - Armored Glass with 4cm thickness. - Steel door full metal plate 8 mm thickness two sides (16 mm) - Heavy Weight Hinges with Welded Knuckles 45 mm *15cm *4*2 -Hex Bolt on Concrete Anchor size D 20mm* 20 cm* 6 in each direction - Flat-Head Concrete Anchor -Manual lock inside 3 *400mm*30mm *2 in both side. - mechanical and electrical locked (Kale or equivalent ) - electrical cable . -Handles with pipe 1 in Dia -Four side sealing strip smoke protection measurement method based on door opening only	M <sup>2</sup>	10
7.2	<b>Door closer for 8 mm doors :</b> Supply and install heavy duty automatic door closer that fixed on Armored Door type (union 8825, Yale 4400 or equivalent) . And all accessories to finish work as per specifications and manufacturer recommendations.	No.	3

7.3	<b>Supply and install Emergency Exit Device .</b> Supply and install an Emergency Exit Device / Single Leaf Panic Bar, 2 hrs. fire rated, Mortise Leaver Handle for Panic Bar with approved make	No.	1
7.4	<b>Emergency Staircase</b>		
7.4.1	Supply and install IPE 250-section with 25 x 12 cm x 8mm for the columns. Item includes base plate with 40 cm * 20 cm with 14 mm thickness , anchor bolt 4 x D 22 mm and 60 cm length inside the concrete base, stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks " , welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.L	20.00
7.4.2	Supply and install IPE 200-section with 20 x 12 cm x 7mm for the columns and beams. Item includes base plate with 35 cm * 20 cm with 14 mm thickness , anchor bolt 4 x D 22 mm and 60 cm length inside the concrete base, stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks " , welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.L	12.00
7.4.3	Supply and install HSS 150-section with 150 x 150 cm x 4mm for the columns and beams. Item includes connection, welding , stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks " , welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.L	30.00

7.4.4	<p>Supply and install steel stairs consist of incline part called flight and horizontal part called landing, the first flight consist of many steps each step has 17cm open riser and 30 cm double steel plate tread with foam in the middle, the second &amp; the third flights consist of many steps each step has 17cm open riser and 30 cm double steel plate tread ,(the top plate 2 mm granular plate ,the bottom plate 1.25 mm Smooth plate and its reinforced between the two plates using 2 tube section 6 cmx 3cmx 1.5 mm distributed each 25 cm longitudinally), the landing consist of double steel plate (the top plate 2 mm granular plate , the bottom plate 1.25 mm Smooth plate and its reinforced between the two plates using tube section 3 * 6 *1.5 mm distributed each 25 cm in width, in addition to the bottom reinforcement using tube section 4 * 8 *2 mm distributed each 25 cm longitudinally) at each landing, the side edges of the stairs (Soffit) consist of 2 tube section 5 * 10 *2 mm , Item in clades the corridor for with all the connection between the slab I section and C section as shown in the drawings ,all steel parts must be coated by two layers of anti-rust coating cutting , lifting , water proof painting wooden looks ,welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.</p> <p>Measurement method will be based on length of flight of the staircase without considering the width.</p>	M.I	25.00
7.4.5	<p>Supply and install steel sheets ,made of cold rolled steel of 300 Mpa minimum strength conforming ASTM A366 , for the roof with 1.5mm thickness item includes heat insulation layer, purlin with tube section 50x50x1.5mm to be distributed each 60 cm in both direction, welding, above the purlin each every 50 cm, cutting if it necessary, lifting, over lapping with 15 cm, including IPE 120, all steel parts must be coated by two layers of anti-rust coating and anti-moisture paint, two layers water proof painting , welding electrode, and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer (Measurement method would be calculated based on plan area without considering any )</p>	M2	20.00

7.4.6	Supply and install steel handrails consist of tube cylindrical section 2 inch diameter connected at turning points using cylindrical knee 2 inch diameter, which reinforced using (Newel) tube cylindrical section 2 inch distributed each 0.9m, 3 horizontal reinforcement using tube cylindrical section 1.25 inch distributed each 17cm connected at turning points using cylindrical knee 1.25 inch diameter, all steel parts must be coated by two layers of anti-rust coating cutting , lifting , water proof painting ,welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.I	40.00
7.5	<b>Metal grill for the windows:</b> Supply and Install metal bars grill for bathroom windows .The bar size 12 x12 mm with size .5x.6, steel bars decorative (standard shape), approx. the spacing between bars about 10cm in the two directions, the window edges angle (L- section) L 70 x70x 5 mm, anchored by galvanized steel bolts (Hilti-rated)15mm dia,. And 150 mm length into concrete/stone wall each 30 cm . Item includes welding, cutting, hoisting, fixing in position, workmanship, oil painting (base coat & min. 2-coats of oil painting approved color( water proof) and anti , according to the technical specifications, drawings, and instruction of supervisor engineer.	M2	7.00
7.6	<b>Steel handrail Works :</b> supply and install steel handrails for the stairs the same the existing with height is 1 m . The bottom part is plate with 3mm thickness and 5 cm width, top part is a tube section 4x2 cmx 2mm, the vertical is two tube section with size 2x2cm and metal grill with 8 x8 mm alternately. Item includes click-on covering rosettes, base, cover, mid and end Cap, and all the accessories, fixing, polishing, grouting .... etc., painting with water proof paint, and all required work to finish this item according to drawings, technical specifications, and instructions of the supervising engineer.	L.M.	35

7.7	<p><b>Frame catchers window:</b> Supply and Install frame catchers window from cable restraint systems D10 mm as show in detail. It should be installed every 20 cm between the cables lines and fixing by D16mm mechanical anchor into concrete lintel with minimum 150mm embedment length typical spacing 200mm and for the floor D16mm through bolt with typical spacing 200mm. Item includes hock with D10 mm, 10mm diameter clip (no less than 3 per cable end), steel plate with 40 mm width and 10mm thickness, insulation the cable with plastic, block up the hole by silicon, cutting/drilling, painting for all steel section with water proof paint at least three layers and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p>	M <sup>2</sup>	54
7.8	<p><b>Polycarbonate protection for (Qamariah) Yemeni arch.</b> Supply and install polycarbonate protection for decorative gypsum arcs (Yemeni arcs) as per drawings, and includes: Polycarbonate 10 mm thickness, main frame steel tube 100x50x2, to be anchoring into concrete/stone wall by galvanized steel bolts 16mm dia and 150mm length, 2 x Secondary frame tube 25x25x2. The price includes panting with primer and oil white color paint. The item includes all accessories to complete the work as per drawings, specification, and directed by the Engineer.</p>	M <sup>2</sup>	13

7.9	<p>Anti-vision screen (3-meter height to cover the emergency staircase: Supply and install anti-vision screen as per drawings, and the work includes:</p> <ul style="list-style-type: none"> <li>- Net clear height with 3 meters</li> <li>- double Weatherproof Polyethylene Shade made of a UV stabilized high density polyethylene, shading rate 95%, Fire Rating according to ASTM E84, nominal fabric mass 435gsm, approximate thickness 1.8mm, tensile strength -warp 870N/50mm, elongation at break 112%, tensile strength -weft 1870N/50mm, wing tear-warp 172N, wing tear-weft 301N, bursting pressure 3600 Kpa, bursting force 2075 KN, flex cracking resistance 400,000+cycles. Thread Shall be 100% expanded PTFE fiber which carries a 10-year warranty that is high strength and low shrinkage, shall have a wide temperature and humidity range, Abrasion resistant and UV radiation immunity, shall be unaffected by non-hydItalianrbon-based cleaning agents, acid rain, mildew, rot, chlorine, saltwater, and pollution, Lockstitch thread – 1200 Denier or equal.</li> </ul> <p>Chain stitch thread – 2400 Denier or equal. SEWING, on-site sewing of a fabric will not be accepted, all corners shall be reinforced with extra non-tear cloth and strap to distribute the load, the perimeters that contain the cables shall be double lock stitched.</p> <p>Supply and install steel HSS 150x150x4mm section columns and beams, frame for the Weatherproof Polyethylene Shade is steel tube section 60*30*1.5 mm as outer frame, and steel tube section 60*30*1.25mm distributed vertical and horizontal each 1.5m, secondary beam with tube section steel section 8 * 4cm *2mm to be distributed each 1.5 m along the column height, connections plate, bracing using L section 7x7cmx7mm at the beginning and middle and end.</p> <ul style="list-style-type: none"> <li>- Foundation with size 50x50x50m, Base plate 25x15cm x10mm thick, 4 anchor bolts 20mm Dia 30cm long for each column.</li> <li>- the polyethylene should be from inside and outside, double polyethylene should be warped around the external frame, and weaving belt at the edges of the frame.</li> <li>- Paining all steel elements with anti-rust, and anti-humidity paint, painting two layers (waterproof) wooden looks.</li> <li>- Excavation, cutting the tiles, re-install tiles, and transferring the debris outside the site.</li> </ul> <p>The work includes welding, fixing the shade and all</p>	M <sup>2</sup>	60
-----	---	----------------	----

	accessories and civil work to complete the item as per drawings, specifications, and directed by engineer. (Measurement method would be calculated based on cloth area only, not from the base)		
7.10	<p><b><u>Metal fence 85cm height.</u></b></p> <p>Supply and install metal railing with height of 85 cm, the price includes tubes of 50x50x2.5 mm and vertical tubes 50x50x2.5 mm each 60 cm and two horizontal tubes are 50x50x2.5 and the distance between them is 60 cm. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface must be Wood-Look as per design drawings, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	10
8	<b>SAFETY</b>		

8.1	CO2 Fire Extinguishers. Providing and fixing CO2 type fire extinguishers with steel cylinder with a discharge valve and conforming to IS:15683. Extinguishers shall be painted with rex enamel paint and fixed to wall with brackets capacity 6 Kg.	NO	4
8.2	ABC Powder Fire Extinguisher. Supplying, installing and commissioning of ABC Powder 6 Kg Fire Extinguisher containing Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, fitted with discharge hose, wall mounting bracket etc., Discharge Time less than 15 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 8A, B Rating 34B, Can Construction : Deep drawn & Co2 Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 1.60MM, ISI approved as per IS:15683.	NO	1
8.3	EMERGENCY LIGHTING SYSTEM. Supply install, test and commission complete LED emergency lighting to be operated where the primary power supply gets disconnected. It shall enable all occupants to leave the premises safely with 2x2.5+1X1.5 sq. mm PVC insulated multistrand copper conductor cable (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, including all connections, suspension, clamps and all other accessories necessary to provide a complete fitting with all terminals. All electrical wiring must be hidden beyond the plastering layer; no external cables trucking should be used at all. The rate shall include cut the plastering by using a Disk Grinder Machine carefully, scratching the edges of existing plastering and provide plastering with reinstating of surrounding area which occasionally got any type of damage to the full satisfaction of UNDP Engineer. All according to drawings and specifications for the following:	NOTE	
8.3.1	Emergency Singed Lighting Fixture. Supply and install Self-contained emergency singed lighting fixture. Body of polycarbonate housing, flame retardant & self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using 1x8 w LED lamp. 220v/50hz(Philips or equivalent)	NO	2



8.3.2	Emergency Lighting Fixture. Supply and install Self-contained emergency lighting fixture ceiling-mounted with function test. Body of polycarbonate housing, flame retardant & self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using LED lamps. 220v/50hz(Philips or equivalent)	NO	6
8.4	Supply, install, and commissioning night Reflective Glow Signage & Boards. material: Photo luminescent material size: 300 mm X 200 MM. It will glow in dark in the event of power failure. These tapes are immediately visible. Easily affixed on walls columns, stair ways etc. including Alucobond thickness of 4 mm. Rust proof, waterproof and chemically resistant finish, all letter and sign should be projected from the Alucobond plate surfaces, long-lasting service performance, according to drawings as follows:	noted	
8.4.1	Supply and Install Reflective Fire Extinguisher dimensions Height 200xlength 300x 3width	NO.	5
8.4.2	Supply and Install Reflective Electrical panel dimensions Height 200xlength 300x 3width	NO.	2
8.4.3	Supply and Install Reflective fire call point dimensions Height 200xlength 200x 3width	NO.	3
8.4.4	path marking system for wall application with 35 mm width, Rigid PVC escape route signs to be installed at a maximum height of 400mm above floor level in all staircase.	m	84
8.5	<b><u>First Aid kits.</u></b> Supply and install empty single leaf wall mounted First Aid kits (0.9x0.45x0.2) m manufactured from welded 1mm thick steel plate with three adjustable shelves and chrome handle and 2 point locking system. Anti-bacterial white powder coated finish is required. The box shall be able to maintain integrity for 30-minute fire resistance with all necessary accessories to complete the work.	NO	1
9	<b>Sanitary Works</b>		
9.1	<b>Supply and install Rain Drainage pipes.</b> Item includes UPVC pipes with 4-inch from the roof to ground level. Item includes fitting with all required fitting , fixing on the walls by bracket, fittings, pipe nipples, nuts, making a hole on the wall, all visible Pipes mounted on the external walls, connections, downspout, elbows, grouting, elbow at the ground level, and all the necessary work to finish this item according to the technical specifications,	m	45.0

	drawings, and instruction of supervisor engineer or his representative.		
9.2	<b>Main Sewerage UPVC Pipes with 4 in Dia ( main pipe) of the toilets</b> Supply, install, testing and commissioning of the UPVC (5.5mm Thickness) 4 inch waste water drainage to connect to the pipe under it, all visible Pipes mounted on the external walls. Item includes making a hole on the wall, pipe fittings, elbows, grouting, all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	m	30.0
9.3	<b>Water supply Pipes:</b> Supply and install insulated water PP. Pipe supply pipes (0.75") with Aluminum foiled insulation (Saudi or equivalent) 16 bar pressure to connect between the main valve with tank. Item includes main valves for the bathrooms, air release valve, weld water supply pipe, insulation, fittings, pipe nipples, nuts, unions, brass fitting adapters as per specifications, drawings and supervisor engineer instructions.	m	60.00
9.4	<b><u>stainless steel trap floor drain:</u></b> Supply, installation, testing and commission floor trap (15cmx15cm) complete with concrete protection . Item includes UPVC drainage pipe with 4 in, and accessories( pipes, couplings, covers, plates, p traps, and etc.) to connect floor drain to the external sanitation networks, set out the inclination, fitting , all civil works, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	3.00
9.5	<b>Commodos Toilet:</b> Supply, installation, testing and commission Commodos Toilet ( western closet) ( Italian, UK or equivalent first type ). floor mounted , white color, Porcelain, siphon jet water closet/toilet with an elongated bowl, seat with open front and checks hinges, and all necessary accessories such as 9 liter dual-flush cisterns, fittings, 13mm stop angle valves, fixable water supply hose, connecting water supply pipes using hot Polypropylene .75 in from the main valves, and UPVC sewerage pipe with 4 in to the main pipes outside and all civil works and	No.	2

	requirements to finish this item according to drawings, specifications, and engineer's instructions.		
9.6	<p><b><u>Urinal Basin.</u></b> Supply, install, connect, testing and commissioning of, white vitreous china flat back type lipped front urinal basin of 430x260x350mm sizes with 5 liter automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required. The rate shall include piping connection to drainage and water systems from/to source/manholes as per drawings, specifications and related codes.</p>	No.	1
9.7	<p><b><u>Hand-held bidet sprayer.</u></b> Supply, install, testing and commissioning of brass hand held bidet spray shattaf with holder high quality (BOSSINI or equivalent) + hot &amp; cold water valve mixer (NOBILI or equivalent) + hose sprayer jet tap douche kit including Inlets, quick shut-off valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply and install piping from the source.</p>	No	2
9.8	<p><b><u>Hand Wash Basin.</u></b>Supply and install hand wash basin oval shape White Reinforced (TOTO or equivalent) as per design drawings with trap outlet approved color according to design drawings and instructions of UNDP Engineer. The item includes all drainage piping to the nearest floor trap. Complete with fitting, drop pipe flexible connections and necessary water connection.</p>	No.	2
9.9	<p><b><u>Sink.</u></b> Supply, install, testing and commissioning of compartment 2 bowl stainless steel Portuguese (Beta or equivalent). The item includes sink water miter moveable one, all drainage piping to the nearest floor trap. It shall be provided with pre-punched fixture center hole, integral back ledge to accommodate deck-mounted fixtures,</p>	NO	1

9.10	<p><b><u>Hot and Cold Water Collectors/mixer.</u></b> Supply, install, connect, testing and commissioning of, hot and cold water collectors/mixer 35 cm height (MUNK or equivalent) 3/4" Inlets/ Outlets quick shut-off valves, record valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply piping from the source all according to design drawings and instructions of UNDP Engineer.</p>	No.	3
9.11	<p><b><u>Coat hook.</u></b> Supply and installing of wall mounted double towel coat hook stainless steel (TOTO or equivalent), polished and brushed stainless steel finish, resist daily scratches, corrosion and tarnishing, concealed screws design with all required according to drawings and instructions of Engineer.</p>	No.	2
9.12	<p><b><u>Glass shelf.</u></b> Supply and installing of tempered glass shelf, bathroom shelf (TOTO or equivalent) with 50 cm long rectangular glass (8mm thick) wall mount, brushed nickel with all required hardware for installation according to drawings and instructions of Engineer.</p>	No.	2
9.13	<p><b><u>Paper holder.</u></b> Supply and installing of paper holder surface mounted satin finish stainless steel (TOTO or equivalent). Disposal features a flip-up cover, secured to the container by a heavy duty stainless steel piano-hinge. Disposal secured to wall or toilet partition.</p>	No.	2
9.14	<p><b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (180x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.</p>	NO	2
9.15	<p><b><u>Solar water heater.</u></b> Supply, install, test and commission complete of solar water heater with 0.25 m3 anti-corrosion stainless steel water tank with metal thickness at least 0.8mm.- Vacuum tube Heat absorption efficiency at least 95 %. With stainless steel frame. Provided with heat insulation to keep hot water temperature for at least 72 hour. 2 years warranty period. Cathodic protection of water tank through sacrificed magnesium bar or equivalent technology. - Proper tilt angle accommodate to the site conditions. Including all water pipes network to 3 bathrooms with high quality heat rated PVC pipes Sch 80 at least. The final install-locations will be determined with the end user.</p>	No.	1

9.16	Supply and install plastic water tanks with 2000L capacity, 3 layers, made of polyethylene. Item includes electrical float, connection from the main underground tank to the roof, water supply pipes, tanks base, install water electrical pump with vertical head min.20 m, and valves and any other related accessories. The price includes all requirements to complete the work according to technical specifications and drawings	NO.	2
9.17	<b><u>Marble Counter.</u></b> Supply and install high quality white decorative marble slabs type " Carrara, Afyon or equivalent" with 3 cm thick for bathroom's counters as per tiling pattern and form on design drawings . The price includes providing and building projection wall 20 cm width from cement block 10 cm thick for vanity sides, RC slab with 10 cm with 5φ 10 as detailed in design drawings with making suitable overlapping between the existing wall and the projection. The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.	NO	2
9.18	<b><u>Marble Counter.</u></b> Supply and install high quality white marble slabs 4x0.6 m type "Carrara, Afyon or equivalent" with 3 cm thick for kitchen hand wash area counter as per tiling pattern and form on design drawings. The price includes providing and building projection wall 20 cm width from cement block 10 cm thick, RC slab with 10 cm with 5φ 10 . The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.	M <sup>2</sup>	2.4
<b>10</b>	<b>ELECTRICAL WORKS:</b>		
10.1	Supply, install and connect commission complete lighting fixture with (4000 - 6500)K CCT, minimum 10000 hr. working lifetime, (90 - 110)lm/W luminous efficiency, RI>80% (Philips or equivalent) , hiding all pipes, pipes (Saudi or equivalent) in recessed 25mm dia PVC, all fittings (i.e. bends, thrust blocks, end caps, ...etc.), hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, including The lighting fixtures shall be with 3x1.5 sq. mm PVC insulated multistring copper conductor cable (Saudi cable or equivalent), all supports, lamps, P.F. correction capacitors, electronic, connections, suspensions, clamps, switches single, double as per in the drawings, and all other accessories necessary to provide a complete fitting with all terminals and with all	Note	

	accessories to complete the work in according to drawings, specifications, international standards and code of practice such as IEC/EN 62471.		
10.1.2	Ceiling mounted lighting fixture water proof with (1x24watt)	NO.	3
10.1.3	Ceiling mounted lighting fixture with (1x26watt)	NO.	3
10.1.4	Ceiling mounted lighting fixture with (1x18watt)	NO.	2
10.1.5	LED fixtures 597*597mm mounted on modular ceiling with a semi-high gloss mirror optic louver	NO.	46
10.1.6	HEXAGON 600 mm Dia with power not less than 27W	NO.	4
10.1.7	Above mirror-lighting luminaries with (1x12watt)	NO.	4
10.1.8	Outdoor all mounted lighting fixture water proof with (1x24watt)	NO.	1
10.2	Providing and fixing suction fan inside the kitchen and bathroom with 20 cm with not less than 80 CFM dia item includes ,cutting the glass ,PVC conduit, rubber, insulation, and all the requirement to finish this item	NO.	3
10.3	Supply, install, test and commission a complete single-phase socket outlet points or power point, including all PVC insulated multistrand copper conductor cable(Saudi cable or equivalent) 600/1000v, including all cables with 3x4mm, cleats, supports, brackets, glands, cable terminals, cable ties, labeling, conduits, terminal boxes, receptacle, pipes (Saudi cable or equivalent) in recessed 25mm dia PVC pipe all fittings (i.e. bends, thrust blocks, end caps,...etc.), pipes as per in drawings, hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, and all connections between the appropriate distribution board to the terminal point, as specified and as detailed on drawings , earthed switched type with indication lamp.(additional cable length should be left for future connection to the equipment).and all in according to national standards and code of practice such as BS EN 60669-1 and BS 1363-2.	Note	
10.3.1	2POLE+EARTHING SINGLE SOCKET (13A-220V)	NO.	12
10.3.2	2POLE+EARTHING SOCKET WATER PROOF (13A-220V)	NO.	4
10.3.3	2POLE+EARTHING SOCKET WATER PROOF (16A-220V)	NO.	1
10.3.4	2POLE+EARTHING DUPLEX SOCKET (13A-220V)	NO.	51

10.3.5	13A SINGLE SWITCH FOR FAN	NO.	3
10.4	Supply, install, connect, test and commission of Secondary or Final low voltage Distribution Boards. In accordance with form-4 to BS EN 60439-3(IEC 60439), IP-32 complete with all protective devices, measuring instruments, breakers, busbars, Termination of incoming cables and outgoing bus duct including cable glands, labels, tags, terminations, components, pipes (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, all fittings (i.e. bends, thrust blocks, end caps, T-connections, reducers...etc.), cutting the wall to install DB, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, hiding all cable pipes, accessories and all related ancillary works as shown on drawings and specified in specifications and in according to code of practice and standards such as IEC 60439, 61439 and IEC 60947.	Note	
10.4.1	Distribution board (DB), 24 way outs (DB-S)	NO.	1
10.4.2	MCCB 63A 4P , 400volt 3 $\phi$ . including RCCB	NO.	1
10.4.3	MCB 16A 1P , 400volt 3 $\phi$ .	NO.	16
10.4.4	MCB 6A ,1P, 230 volt ,1 $\phi$ .	NO.	8
10.4.5	Distribution board (ACDB), 24 way outs (UDB-S)	NO.	1
10.4.6	MCCB 63A 4P , 400volt	NO.	1
10.4.7	MCB 16A 1P , 230volt	NO.	14
10.4.8	MCB 10A ,1P, 230 volt ,1 $\phi$ .	NO.	10
10.4.9	Distribution board (ACDB), 18 way outs (ACDB)	NO.	1
10.4.10	MCCB 63A 4P , 400volt	NO.	1
10.4.11	MCB 25A 1P , 230volt	NO.	14
10.4.12	MCB 16A ,1P, 230 volt ,1 $\phi$ .	NO.	4
10.5	Supply, install, test and commission low voltage SWA/XLPE / PVC copper cables, (0.6/1K.V) including glands, cable ties, labeling, pipe (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, all fittings (i.e. bends, thrust blocks, end caps, T-connections, reducers...etc.), pipes as per in drawings as per in drawings, hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, hiding all cable pipes, all associated according to the drawings, specifications and relevant codes of practice and highest prevailing engineering standards such as IEC 60502-1 and BS 6346, for;	NO.	
10.5.1	4 x 16 mm <sup>2</sup> SWA/XLPE/PVC/PVC+(E= 16 mm <sup>2</sup> )	M.I	200
10.5.2	4 x 10 mm <sup>2</sup> SWA/XLPE/PVC/PVC+(E= 16 mm <sup>2</sup> )	M.I	100
<b>11</b>	<b>HIGH WALL AIR CONDITINERS:</b>		

11.1	<p>Supply, install, test and commission complete of cooling /heating high wall air conditioning , Inverter DC"8 poles compressor technology" ,(220V-1Phase-50H),refrigrant to be of environment friendly (R410A). item includes installation of anti-vibration rubber under the outdoor unit, 99.9% pure copper pipes ( Cu-DHP) according to ISO 1337 or UNI EN 12735-1),Thermostat, pipe insulation( polyethylene foam) closed cell, thickness 6 mm and inner diameter of insulation should fit the copper pipe diameter .pipes and insulations should wrap with white color non adhesive and adhesive PVC tape ,wires between the units turnkey as required and hangers should be installed every 1.5 meter ,PVC pipes for drainage and connect to the nearest drainage point fixing indoor unit on the ceiling, make an opening on the wall to connect the outdoor unite with the indoor unit .and include the electrical cable 3x4mm2 and all related work and material to supply power from the distribution board to the AC. all the requirement to finish this item all accessories complete as required per drawings and specifications.</p>	No.	8
------	--	-----	---



LOT 2 Fourth Floor on top of the Operation's Building

**BOQs for Additional/Fourth Floor on top of the Operations Building**

No	Item Description	Unit	QTY.
<b>1</b>	<b>Demolition and Preparation Work:</b>		
1-1	Demolish work for the existing floor tiles, and screed plain concrete on the roof and the roof of the existing staircase. Item includes relocate the water tanks to be on the roof to supply the building while working then install it again on the roof of the new staircase, dismantling for all the cables and pipes then reinstall them again, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer. (Tenderers are advised to visit the site and acquaint themselves with the surroundings and take any measurements to deem necessary as no claims will be accepted due to lack of knowledge of the site)	M <sup>2</sup>	250
1-2	Demolishing for the parapet, the wall of the staircase and the staircase windows, and demolition for the wall where the emergency door. Item includes dismantling for the window on the staircase, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer.	M <sup>2</sup>	50
1-3	Dismantling for the lighting then reinstall it again, item includes dismantling the cables and pipes then reinstall them again, hiding all the cables on the wall, cutting the wall, cabling, all the required works to make the lightings works and finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	2
1-4	supply and install steel scaffold stairs from the earth level to the fourth floor level to be used as a way to transport all materials and labors to work on the first floor without using the building's staircase and the yard of the building, item includes partitions and insulate the area of work, it should be carried out in accordance with the Health and Safety at Work. Items include: support of the scaffold, the staircase from the street should be moveable. All the requirement to finish this items according to the supervisor engineer instructions.	Lump.	1
<b>2</b>	<b>Concrete Work:</b>		

2	NOTE: All form works and shuttering shall be new. Concrete items must include steel reinforcement with Fy 280 Grade 40, Supplying, Casting, vibrating, workmanship, scaffold, sleeves, grouting, adding material to join the old concrete with the new one, testing and providing test results certificates, storing and saving of samples, and curing concrete with 'f'c=30 Mpa, smooth face. Preliminary installations for Electrical, plumbing and floor drainage, due to excavation boarder, . All works must be in accordance with specifications, drawings and supervisor engineer instructions.	Note	
2-1	Supply and cast ready mix reinforced concrete Fcu = 35 Mpa for the columns and for the armored door column, as per drawings. according to the above specification	M <sup>3</sup>	10
2-2	Supply and cast ready mix reinforced concrete Fcu = 30 Mpa for the Ribbed Slabs and beams with steel reinforcement as per drawings. includes supply and install hollow cement blocks 20x20x40 cm.	M <sup>3</sup>	78
2-3	Supply and cast reinforced concrete Fcu = 30 Mpa for the stairs with beams at the middle according to the above specification	M <sup>3</sup>	4
2-4	Supply and install reinforced concrete (Fcu= 25 Mpa) for the <b>Lintel above the windows and door with size 20x20cm</b> and length shall be extend at least 20 cm on both sides. with steel reinforcement (2Ø14 top and 2Ø14 bottom, and ties 1Ø8 @15 cm). according to drawings and the above specification.	L.M.	58
2.6	Supply and cast ready mix reinforced concrete Fcu = 25 Mpa for staircase roof item includes all the wooden temper with 6x3 in each 50 cm, plate with 14 mm, two layer of felt, then reinforced concrete with 10 cm thickness with 6 Ø 8 in both directions as per drawings. according to the above specification	M <sup>2</sup>	19
2.7	<b><u>Screed concrete works.</u></b> Supply and cast concrete screed slab class(C25) cast to falls not less than 3 cm thickness in drain point, rate to include lining and hunching 15x15cm with 45 degree to the side of roof screed and parapet including expansion joints every 3 m in both directions the all expansion joints shall be sealed with suitable insulation materials and formwork, placing, vibrating, shuttering, curing, complete as directed. The price include surface leveling, making good the harmed surfaces and edges and all surface finishing. The rate also includes supply and install roof water proofing membrane of bitumen rolls 4mm thick covered with quartz granules for main roof, parapet walls and primer coat GS at rate 25 kg/m2 installation of 15x15cm angle fillet 474 groove, groove sealant, groove cover, joints over lapping, backing sheets or pieces all around external and internal corners roof drains, and all necessary material to complete the works as per drawings, technical specification and UNDP Engineer's instructions.	M <sup>2</sup>	250
3	<b>Cement Block Wall and Cladding Works</b>		

3.1	<p><b><u>Solid Block Works for Walls (20 cm Thick):</u></b> supply and install block building using solid blocks (size 20x20x40) for exterior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	250.00
3.2	<p><b><u>Automatic Solid Block Works for Walls (20 cm Thick):</u></b>supply and install block building using automatic solid blocks (size 20x20x40) for interior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>3</sup>	200.00
3.3	<p><b><u>Plastering Work for External Walls:</u></b> supply, install and spray cement plastering 20 mm thick for external walls and parapet, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing Coat with (1:5) cement-sand. Item includes supply all materials, metal lathing 300 mm wide shall be nailed and fixed over all joints between structural elements and block work or other types of finish before plastering commences, galvanized angle for the corners, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	465

3.4	<p><b><u>Internal Plastering Work:</u></b>  Supply, install and spray cement plastering 13 mm thick for all ceiling and external walls, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing coat 1:3 as per in the drawings. Item includes supply all materials, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all joints between structural elements and blockwork or other types of finish before plastering commences, galvanized angle for the corners, arounds the doors and windows, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.  measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	650
3.5	Ditto item (3.4) , but for the ceiling	M <sup>2</sup>	225
3.6	<p><b><u>Supply and apply anti humidity and water proof emulsion paint for exterior wall of the staircase:</u></b>  Supply and apply anti humidity and water proof emulsion paint, three coats with the required color. The work includes cleaning the surfaces of dust, dirt, stuck, and etc. sanding, priming, applying 2 finishing coats, and doing all it needs to finish the work properly, according to the technical rules and the engineer's instructions</p>	M <sup>2</sup>	1150
3.7	<p><b><u>Painting Work for Internal walls:</u></b>Supply and install first class painting for Internal walls and partition, three layers. One undercoat primer and min. two-coats of oil paint without any smell. The item shall includes surface preparation, and cleaning the surfaces properly of dust, dirt, stuck, and etc., sanding, priming, putty, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	620
3.8	<p><b><u>Painting Work for the Ceiling:</u></b>  Supply and install first class painting for ceiling with three layers of water paint. the item shall includes preparing surface, clean, remove dust, sanding, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.  The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	225
4	<b>Tiles Work:</b>		

4.1	<p><b><u>Building floors tiling.</u></b></p> <p>Supply and install non-slip 60x15x1cm Wood-Look Ceramic tiles ( Spanish class (A) or equivalent) for floors. The tiles shall be laid and fixed in patterns, style and forms as directed by the Engineer. The price should include 2.5cm mortar bed with approved highly adhesive materials and 5cm thick sand bed, cutting&amp; trimming around floor utilities opening. Item include all required finishing including Pointing, grouting, cleaning, and polishing ... etc. as per design drawings, technical specifications and directed by UNDP Engineer.</p>	M <sup>2</sup>	190
4.2	<p><b><u>Skirting.</u></b></p> <p>Supply &amp; install a good quality Wood-Look Ceramic skirting from the same type with the same color, size 60×10 cm chips, according to specifications and engineer's instructions. (Spain made)</p>	L.M.	200
4.3	<p><b><u>Bathrooms walls tiling.</u></b></p> <p>Supply and install UNIK R90 WHITE 30X90 CM GLOSSY AZTECA SPANISH or equivalent PORCELAIN &amp; AZTECA EMOTION BLANCO 30X60 CM SPANISH PORCELAIN class (A) tiles for walls cladding of five-bathroom in different colors and size as detailed in design drawings and approved by the UNDP Engineer. The tiles shall be laid and fixed in patterns, style and forms of grouting&amp; jointing as per design drawings using approved adhesive materials. The price also includes the cost of surface preparation to receive tiles, which shall include two coats of cement plaster (scratch and float coat), approved adhesive materials, for walls, grouting and chamfer the corner of tiles where required. All according to design drawings, technical specifications and the UNDP Engineer instructions.</p>	M <sup>2</sup>	100
4.4	<p><b><u>Insulate Work (Bitumen Rolls):</u></b></p> <p>Supply and install waterproof of poly-bitumen rolls 4 mm thick in order to insulate the floor of the bathroom. Item includes primer layer, heating all necessary material to complete the works as shown in the drawings and as per manufacturer instructions and codes of practice and specifications and engineer's instructions.</p>	M <sup>2</sup>	14
4.5	<p><b><u>Bathrooms floors.</u></b> Supply and install non-slip FIRST QUALITY 45X45 CM BIANCO VENA PORCELAIN tiles for five-bathroom floor cladding with all required works, as specified and approved by the Engineer. The price includes the mortar (1:3) the sand cement fills and 10 cm plain concrete. The color of the tiles shall be as chosen by the Engineer, cutting&amp; trimming around floor utilities opening, tiles slope, watering, grouting using special chemical material, cleaning, polishing ... etc. and all the requirements to finish this item according to specifications, supervisor engineer's instructions or his representative. The type and color of the tiles shall be chosen by the supervisor engineer.</p>	M <sup>2</sup>	14

4.6	<b><u>Staircase Tiles:</u></b> Supply and fix LOCAL MARBLE or for the run and rise of the staircase with size 125*35* 3 cm it should be curvature at the edge. Item includes skirting and bedded on cement and sand mortar 1:3 laid on a dry mixed sand and cement backfill. Grouting and final polishing as per specifications, drawings and supervisor engineer's instructions or his representative. tiles shall be as chosen by the Engineer.	L.M.	30
4.7	Ditto, but for staircase landing. Price shall include marble skirting.	M <sup>2</sup>	25
<b>5</b>	<b><u>Aluminum &amp; Wooden Works:</u></b>		
5.1	<b><u>Wooden Door</u></b> Supply and install a wooden door (meranti wood) with size 90 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm form the side sand 10cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	11
5.2	<b><u>Wooden Door</u></b> Supply and install a wooden door (meranti wood) with size 80 x 220 cm*4.5cm for the bathrooms. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm form the side sand 10cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	3
5.3	<b><u>Aluminum window:</u></b> supply and install sliding Aluminum windows for all windows, with 2 mm special section ( France or equivalent ). Item includes self drilling screws with 12 cm length and 12mm Diameter each 20 cm, fly screens, silicon sealant, supplying, workmanship, fixation, double glass 6mm each layer, handles, Italian wheels, and locked. Item includes all necessary works are needed such as brushes, rubber EPDM to complete the work according to drawings, specifications, conditions and directed instructions by the engineer or his representative,	M <sup>2</sup>	38

5.4	<b>Anti-blast film to protect windows.</b> Supply and install SRF (Anti-Shatter Resistance Films) on all Glass Windows all floors. The film color is clear. The film shall have a nominal thickness 0.304 mm (12 mil), film material shall consist of an optically clear polyester film, with a durable acrylic abrasion resistant coating over the surface. The film color is clear, elongation to break 130% and tensile strength 172 Mpa. Item include all the requirement to finish this item according to the technical specifications, instruction of supervisor engineer. The contractor must submit a sample before implemented the work	M <sup>2</sup>	38
<b>6</b>	<b>Metal and Security Work</b>		
6.1	<b>Supply and install Armored steel door.</b> In square meter: Heavy duty Armored steel door (bullet proof). Supply and installation of heavy duty security (bullet proof protection level) steel door total thickness not less than 5 cm with steel angles and frames of approved quality and thickness. It also includes brass joint, locks and handles, painting with anti-rust, and anti-humidity paint, painting two layers ( water proof ), and all finishing works according to drawings and technical specifications. Blast-Resistant External Frame size 50cm *10 *6mm*2 - Blast-Resistant Internal Frame size 50mm * 100mm * 3 mm - A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical. - Armored Glass with 4cm thickness. - Gears for the movement. - Steel door full metal plate 8 mm thickness two sides (16 mm) - Heavy Weight Hinges with Welded Knuckles 45 mm *15cm *4*2 -Hex Bolt on Concrete Anchor size D 20mm* 20 cm* 6 in each direction - Flat-Head Concrete Anchor -Manual lock inside 3 *400mm*30mm *2 in both side. - mechanical and electrical locked (Kale or equivalent ) - electrical cable . -Handles with pipe 1 in Dia -Four side sealing strip smoke protection Measurement method based on door opening only	M <sup>2</sup>	8
6.2	<b>Door closer for 8 mm doors :</b> Supply and install heavy duty automatic door closer that fixed on Armored Door type (union 8825, Yale 4400 or equivalent) . And all accessories to finish work as per specifications and manufacturer recommendations.	No.	3
6.3	<b>Supply and install Emergency Exit Device .</b> Supply and install an Emergency Exit Device / Single Leaf Panic Bar, 2 hrs. fire rated, Mortise Leaver Handle for Panic Bar with approved make	No.	1

6.4	<p><b><u>Stairs Balustrades:</u></b>          Providing, Fabricating &amp; fixing 1.10m high MS railing balustrade with 2" dia pipe 4mm thickness. as railing with 2" MS pipe 4mm thickness horizontal members &amp; 2" dia MS pipe 4mm thickness, three steel pipes with Dia 1 in and 2 mm thickness. for balustrade etc., all inclusive cutting, welding, grouting to floor/masonry, grinding, wastages, labor. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	18
6.5	<p><b><u>Balcony Balustrades:</u></b> .Providing, Fabricating &amp; fixing 0.55m high, two horizontal steel pipes with 1.5 in x3mm, and steel pipes with Dia 1 in and 2 mm thickness, tube section with 12x 6cmx1.5 mm. for balustrade etc., all inclusive cutting, welding, grouting to floor/masonry, grinding, wastages, labor. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	13
6.6	<p><b><u>Frame catchers window:</u></b>          Supply and Install frame catchers window from cable restraint systems D10 mm as show in detail. It should be installed every 20 cm between the cables lines and fixing by D16mm mechanical anchor into concrete lintel with minimum 150mm embedment length typical spacing 400mm (200mm at ends) and for the floor D16mm through bolt (estimated 450mm length) with typical spacing 400mm. Item includes hock with D10 mm and steel U 12 x 6x 8mm, 10mm diameter clip (no less than 3 per cable end), steel plate with 100 mm width and 10mm thickness, insulation the cable with plastic, block up the hole by silicon and inside the U section, cutting/drilling, painting for all steel section with water proof paint at least three layers and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p>	M <sup>2</sup>	80
6.7	<p><b><u>Hardening frames with plexiglass window</u></b>          supply and install proper frames with plexiglass (polycarbonate) with 10 mm thickness for all bathroom windows. Item includes Fixing by plate with 150mm and 8 mm thickness around the window, D16mm mechanical anchor into walls with minimum 100mm embedment length typical spacing 200mm, polishing, cutting the plexiglass if front of the leaf, cutting/drilling, make an opening for the suction fan, installation plastic around all plate edges, painting for all steel section with water proof paint at least three layers and all the necessary work to finish this item according to the technical specifications, instruction of supervisor engineer, and drawings.</p>	M <sup>2</sup>	6



6.8	<p>Anti-vision screen (4-meter height to cover the emergency staircase:Supply and install anti-vision screen as per drawings, and the work includes:-  Net clear height with 4 meters- double Weatherproof Polyethylene Shade made of a UV stabilized high density polyethylene, shading rate 95%, Fire Rating according to ASTM E84, nominal fabric mass 435gsm, approximate thickness 1.8mm, tensile strength -warp 870N/50mm, elongation at break 112%, tensile strength -weft 1870N/50mm, wing tear-warp 172N, wing tear-weft 301N, bursting pressure 3600 Kpa, bursting force 2075 KN, flex cracking resistance 400,000+cycles. Thread Shall be 100% expanded PTFE fiber which carries a 10-year warranty that is high strength and low shrinkage, shall have a wide temperature and humidity range, Abrasion resistant and UV radiation immunity, shall be unaffected by non-hydItalianrbon-based cleaning agents, acid rain, mildew, rot, chlorine, saltwater, and pollution, Lockstitch thread – 1200 Denier or equal.Chain stitch thread – 2400 Denier or equal. SEWING, on-site sewing of a fabric will not be accepted, all corners shall be reinforced with extra non-tear cloth and strap to distribute the load, the perimeters that contain the cables shall be double lock stitched.Supply and install steel two IPE 250x125x8mm section columns with 4m height, frame for the Weatherproof Polyethylene Shade is steel tube section 60*30*1.5 mm as outer frame, and steel tube section 60*30*1.25mm distributed vertical and horizontal each 1.5m, secondary beam with tube section steel section 8 * 4cm *2mm to be distributed each 1.5 m along the column height, connections plate, beam on the top with IPE 120.- the polyethylene should be from inside and outside, double polyethylene should be warped around the external frame, and weaving belt at the edges of the frame.- Paining all steel elements with anti-rust, and anti-humidity paint, painting two layers (waterproof) wooden looks. The work includes welding, fixing the shade and all accessories and civil work to complete the item as per drawings, specifications, and directed by engineer. (Measurement method would be calculated based on cloth area only, not from the base)</p>	M <sup>2</sup>	26.4
<b>7</b>	<b>SAFETY</b>		
7.1	<p><b>CO2 Fire Extinguishers.</b>  Providing and fixing CO2 type fire extinguishers with steel cylinder with a discharge valve and conforming to IS:15683. Extinguishers shall be painted with rex enamel paint and fixed to wall with brackets capacity 6 Kg.</p>	No.	3
7.2	<p><b>ABC Powder Fire Extinguisher.</b>  Supplying, installing and commissioning of ABC Powder 6 Kg Fire Extinguisher containing Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, fitted with discharge hose, wall mounting bracket etc., Discharge Time less than 15 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 8A, B Rating 34B, Can Construction : Deep drawn &amp; Co2 Mig welded, Valve Construction : Forging &amp; Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 1.60MM, ISI approved as per IS:15683.</p>	No.	1

7.3	<b>EMERGENCY LIGHTING SYSTEM.</b> Supply install, test and commission complete LED emergency lighting to be operated where the primary power supply gets disconnected. It shall enable all occupants to leave the premises safely with 2x2.5+1X1.5 sq. mm PVC insulated multistrand copper conductor cable (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, including all connections, suspension, clamps and all other accessories necessary to provide a complete fitting with all terminals. All electrical wiring must be hidden beyond the plastering layer; no external cables trucking should be used at all. The rate shall include cut the plastering by using a Disk Grinder Machine carefully, scratching the edges of existing plastering and provide plastering with reinstating of surrounding area which occasionally got any type of damage to the full satisfaction of UNDP Engineer. All according to drawings and specifications for the following:	NOTE	
7.3.1	Emergency Singed Lighting Fixture. Supply and install Self-contained emergency singed lighting fixture. Body of polycarbonate housing, flame retardant & self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using 1x8 w LED lamp. 220v/50hz(Philips or equivalent)	No.	3
7.4	Supply, install, and commissioning night Reflective Glow Signage & Boards. material: Photo luminescent material size: 300 mm X 200 MM. It will glow in dark in the event of pour failure. These tapes are immediately visible. Easily affixed on walls columns, stair ways etc. including Alucobond thickness of 4 mm. Rust proof, waterproof and chemically resistant finish, all letter and sign should be projected from the Alucobond plate surfaces, long-lasting service performance, according to drawings as follows:	noted	
7.4.1	Supply and Install Reflective Fire Extinguisher dimensions Height 200sxlength 300x 3width	No.	4
7.4.2	Supply and Install Reflective Electrical panel dimensions Height 200xlength 300x 3width	No.	2
7.4.3	Supply and Install Reflective fire call point dimensions Height 200xlength 200x 3width	No.	3
7.4.4	Supply and Install Reflective please ware mask dimensions Height 200xlength 200x 3width	No.	3
7.4.4	path marking system for wall application with 35 mm width, Rigid PVC escape route signs to be installed at a maximum height of 400mm above floor level in all staircase.	L.M.	84
7.5	<b><u>First Aid kits.</u></b> Supply and install empty single leaf wall mounted First Aid kits (0.9x0.45x0.2) m manufactured from welded 1mm thick steel plate with three adjustable shelves and chrome handle and 2 point locking system. Anti-bacterial white powder coated finish is required. The box shall be able to maintain integrity for 30-minute fire resistance with all necessary accessories to complete the work.	No.	1
8	<b>Sanitary Works</b>		

8.1	<b>Supply and install Rain Drainage pipes.</b> Item includes UPVC pipes with 4-inch from the roof to ground level. Item includes fitting with all required fitting , fixing on the walls by bracket, fittings, pipe nipples, nuts, making a hole on the wall, all visible Pipes mounted on the external walls, connections, downspout, elbows, grouting, elbow at the ground level, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	L.M.	45.0
8.2	<b>Main Sewerage UPVC Pipes with 4 in Dia ( main pipe) of the toilets</b> Supply, install, testing and commissioning of the UPVC (5.5mm Thickness) 4 inch waste water drainage to connect to the pipe under it, all visible Pipes mounted on the external walls. Item includes making a hole on the wall, pipe fittings, elbows, grouting, all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	L.M.	30.0
8.3	<b>Water supply Pipes:</b> Supply and install insulated water PP. Pipe supply pipes (0.75") with Aluminum foiled insulation (Saudi or equivalent) 16 bar pressure to connect between the main valve with tank. Item includes main valves for the bathrooms, air release valve, weld water supply pipe, insulation, fittings, pipe nipples, nuts, unions, brass fitting adapters as per specifications, drawings and supervisor engineer instructions.	L.M.	60.00
8.4	<b><u>stainless steel trap floor drain:</u></b> Supply, installation, testing and commission floor trap (15cmx15cm) complete with concrete protection . Item includes UPVC drainage pipe with 4 in, and accessories( pipes, couplings, covers, plates, p traps, and etc.) to connect floor drain to the external sanitation networks, set out the inclination, fitting , all civil works, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	4.00
8.5	<b>Commodes Toilet:</b> Supply, installation, testing and commission Commodes Toilet ( western closet) ( Italian, UK or equivalent first type ). floor mounted , white color, Porcelain, siphon jet water closet/toilet with an elongated bowl, seat with open front and checks hinges, and all necessary accessories such as 9 liter dual-flush cisterns, fittings, 13mm stop angle valves, fixable water supply hose, connecting water supply pipes using hot Polypropylene .75 in from the main valves, and UPVC sewerage pipe with 4 in to the main pipes outside and all civil works and requirements to finish this item according to drawings, specifications, and engineer's instructions.	No.	3
8.6	<b><u>Hand-held bidet sprayer.</u></b> Supply, install, testing and commissioning of brass hand held bidet spray shattaf with holder high quality (BOSSINI or equivalent) + hot & cold water valve mixer (NOBILI or equivalent) + hose sprayer jet tap douche kit including Inlets, quick shut-off valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply and install piping from the source.	No.	3

8.7	<p><b><u>Hand Wash Basin.</u></b> Supply and install hand wash basin oval shape White Reinforced (TOTO or equivalent) as per design drawings with trap outlet approved color according to design drawings and instructions of UNDP Engineer. The item includes all drainage piping to the nearest floor trap. Complete with fitting, drop pipe flexible connections and necessary water connection.</p>	No.	6
8.8	<p><b><u>Hot and Cold Water Collectors/mixer.</u></b> Supply, install, connect, testing and commissioning of, hot and cold water collectors/mixer 35 cm height (MUNK or equivalent) 3/4" Inlets/ Outlets quick shut-off valves, record valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply piping from the source all according to design drawings and instructions of UNDP Engineer.</p>	No.	6
8.9	<p><b><u>Coat hook.</u></b>Supply and installing of wall mounted double towel coat hook stainless steel (TOTO or equivalent), polished and brushed stainless steel finish, resist daily scratches, corrosion and tarnishing, concealed screws design with all required according to drawings and instructions of Engineer.</p>	No.	3
8.10	<p><b><u>Glass shelf.</u></b> Supply and installing of tempered glass shelf, bathroom shelf (TOTO or equivalent) with 50 cm long rectangular glass (8mm thick) wall mount, brushed nickel with all required hardware for installation according to drawings and instructions of Engineer.</p>	No.	3
8.11	<p><b><u>Paper holder.</u></b> Supply and installing of paper holder surface mounted satin finish stainless steel (TOTO or equivalent). Disposal features a flip-up cover, secured to the container by a heavy duty stainless steel piano-hinge. Disposal secured to wall or toilet partition.</p>	No.	3
8.12	<p><b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (180x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.</p>	No.	3
8.13	<p><b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (60x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.</p>	No.	3

8.14	<p><b><u>Solar water heater.</u></b> Supply, install, test and commission complete of solar water heater with 0.25 m3 anti-corrosion stainless steel water tank with metal thickness at least 0.8mm.- Vacuum tube Heat absorption efficiency at least 95 %. With stainless steel frame. Provided with heat insulation to keep hot water temperature for at least 72 hour. 2 years warranty period. Cathodic protection of water tank through sacrificed magnesium bar or equivalent technology. - Proper tilt angle accommodate to the site conditions. Including all water pipes network to 3 bathrooms with high quality heat rated PVC pipes Sch 80 at least. The final install-locations will be determined with the end user.</p>	No.	1
8.15	Supply and install plastic water tanks with 2000L capacity, 3 layers, made of polyethylene. Item includes electrical float, connection from the main underground tank to the roof, water supply pipes, tanks base, install water electrical pump with vertical head min.20 m, and valves and any other related accessories. The price includes all requirements to complete the work according to technical specifications and drawings	No.	1
8.16	<p><b><u>Marble Counter.</u></b> Supply and install high quality white marble slabs 0.6 m type "Carrara, Afyon or equivalent" with 3 cm thick for kitchen hand wash area counter as per tiling pattern and form on design drawings. The price includes providing and building projection wall 20 cm width from cement block 10 cm thick, RC slab with 10 cm with 5φ 10 . The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.</p>	M <sup>2</sup>	5
<b>9</b>	<b>Electrical Works</b>		
<b>9.1</b>	<b>LIGHTING SYSTEM:</b>		
<b>9.1.1</b>	<b>A- LIGHTING POINT:</b>		
9.1.1.1	Installation, connection, inspection, testing and operation of One way and/or two ways lighting points with 3x2.5 sq. mm, where the price includes 25mm PVC pipes, boxes and copper wires insulated with, as well as switches (One way, two way, Dimer..etc....)as per drawings for electrical circuits and the price includes all what This item is required from the wiring work between the lighting point and the electrical distribution panels with all the necessary so that the point becomes ready to work, according to the specifications and drawings and according to the instructions of the supervising engineer.	No.	72
<b>9.1.2</b>	<b>B- LIGHTING FIXTURES:</b>		

	Supply install, test, and commission complete LED lighting. lamp Luminous Flux shall be as shown below, input voltage 220V, Operation Temperature shall be -20°C to 50°C. Working Lifetime shall be at least 30000 h, UGR≤19, color rendering index CRI≥90, Warranty shall be 2 Years, and be certified from CE, RoHS, SASO, UL. Temperature rise not greater than 20 degrees centigrade. The price include all connections, point extension, suspension, clamps, and all other accessories necessary to provide a complete fitting with all terminals as shown on the below specifications, and as per the instruction of the site engineer. All old replaced materials shall be delivered to the store of the hospital.	NOTE	
9.1.2.1	Internal Lighting luminaire and fixture type 60x60 surface LED light panel, 36-40W power, Lamp Luminous Efficiency shall be at least (90lm/w). and CCT not less than 6500K	Pcs	41
9.1.2.4	Internal Lighting luminaire and fixture: recessed ceiling 2X18 LED tube 1200mm with cover and all related accessories and CCT not less than 6500	Pcs	13
9.1.2.4	Internal Lighting luminaire and fixture: recessed ceiling down light panel with a power of not less than 12w, with 960 lumens and CCT not less than 6500 with IP rating not less than 44.	Pcs	6
9.1.2.5	Surface wall mounted mirror lighting luminaire with LED lamp 1X8W - water proof-IP44.	Pcs	6
9.1.2.8	Emergency exit sign double sided glass Ceiling Type – Exit Sign Luminaire (8x1) led, With 3 HR Duration Built In Battery Feed From Emergency Branch Circuit.	Pcs	2
9.1.2.9	Emergency exit sign one sided glass wall Type – Exit Sign Luminaire (8x1) LED, With 3 HR Duration Built In Battery Feed From Emergency Branch Circuit.	Pcs	4
<b>9.2</b>	<b>SOCKETS</b>		
	Supply, install, test and commission a complete (220v, 50 Hz) socket outlet according to drawings of power system plan, including (3x4) sq.mm, insulated multistrand copper conductor cable, in recessed 25mm dia PVC pipe, including all conduits, boxes, layout the pipes before the concreting the ceiling, drilling cutting in the walls.. and all related works and accessories to complete the items in professional way. Socket outlets and all connections between the appropriate distribution boards and the socket outlet for the following:		
9.2.1	13A, single socket earthed, shuttered, switched outlet (British Type), 3pin, surface mounted.	No.	34
9.2.2	13A, single socket earthed, shuttered, switched outlet (British Type), 3pin, surface mounted IP44 or higher.	No.	6
9.2.3	13A, duplex socket earthed, shuttered, switched outlet (multistranded Type), 3pin, surface mounted.	No.	31
9.2.4	16A single socket earthed, shuttered, switched outlet 3pin, surface mounted.	No.	2
9.2.4	32A double pole socket earthed, shuttered, switched with outlet 3pin, surface mounted.	No.	3

<b>9.3</b>	<b>DISTRIBUTION BOARD</b>		
	Supply, install, test and commission final distribution boards 3phase 400/230 V,4wires (Schneider, Legrand, Hager or equivalent) , complete with circuit breaker on incoming supply connection. The distribution boards shall be of metal-clad pattern complete with all circuit breakers, casing, busbar, protection equipment having sufficient connections for all circuit breakers, all in according with requirements of the specifications, drawings and codes of practice for the following:		
9.3.1	TF-DB (Main breaker 100A MCCB 4P 100mA, 32ways,TPN 400V,50HZ,(with MCB branch breakers 5x6A 1P, 6x16A, 12x20, 13x25A)	No.	1
9.3.2	TF-UDB (Main breaker 40A RCBO 4P 100mA, 18ways,TPN 400V,50HZ,(with MCB branch breakers 8x6A 1P, 10x16A)	No.	1
<b>9.4</b>	<b>POWER CABLES:</b>		
	Supply, install, test and commission 0.6/1Kv.XLPE/PVC/CU/4C, multi-core copper cables (Saudi cable or equivalent) including all necessary cleats, supports, brackets, glands, cable terminals, ducts, pipes, Boxes, ...etc. All of which shall be according to the specifications, drawings. Codes of practice and highest prevailing engineering standards, for the following:		
9.4.1	4C x 10 mm <sup>2</sup> XLPE/PVC/CU + E = 10 mm <sup>2</sup>	L.M.	100
9.4.2	4C x 25 mm <sup>2</sup> XLPE/PVC/CU + E = 16 mm <sup>2</sup>	L.M.	100
<b>9.5</b>	<b>FANS:</b>		
9.5.1	Supplying, Installation, testing and commissioning window mounted exhaust fan with shutter for bathrooms size 6 inch not less than 80 CFM,100% copper motor.(KDK,INFINAIR or equivalent, cutting glass, seal rubber, silicon, all pipes to hide the cables, and all other accessories necessary to provide a complete fitting with all terminals as shown on the drawings and specifications and instructions of the supervising engineer.	No.	3
<b>10</b>	<b>HIGH WALL AIR CONDITINERS:</b>		

10.1	Supply, install, test and commission complete of cooling /heating high wall air conditioning , Inverter DC"8 poles compressor technology" ,(220V-1Phase-50H),refrigrant to be of environment friendly (R410A). item includes installation of anti-vibration rubber under the outdoor unit, 99.9% pure copper pipes ( Cu-DHP) according to ISO 1337 or UNI EN 12735-1),Thermostat, pipe insulation( polyethylene foam) closed cell, thickness 6 mm and inner diameter of insulation should fit the copper pipe diameter .pipes and insulations should wrap with white color non adhesive and adhesive PVC tape ,wires between the units turnkey as required and hangers should be installed every 1.5 meter ,PVC pipes for drainage and connect to the nearest drainage point fixing indoor unit on the ceiling, make an opening on the wall to connect the outdoor unite with the indoor unit .and include the electrical cable 3x4mm2 and all related work and material to supply power from the distribution board to the AC. all the requirement to finish this item all accessories complete as required per drawings and specifications.	Note.	
10.1.1	IWU-1.5 TR	NO.	10



### SECTION 3: Management Structure and Key Personnel

- 3.1 Describe the overall management approach toward planning and implementing the project. Include an organization chart for the management of the project describing the relationship of key positions and designations. Provide a spreadsheet to show the activities of each personnel and the time allocated for his/her involvement.
- 3.2 Provide CVs for key personnel that will be provided to support the implementation of this project using the format below. CVs should demonstrate qualifications in areas relevant to the scope of goods and/or services.

### Format for CV of Proposed Key Personnel

<b>Name of Personnel</b>	[Insert]
<b>Position for this assignment</b>	[Insert]
<b>Nationality</b>	[Insert]
<b>Language proficiency</b>	[Insert]
<b>Education/ Qualifications</b>	<i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i> [Insert]
<b>Professional certifications</b>	<i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert]
<b>Employment Record/ Experience</b>	<i>[List all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. For experience in last five years, detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.]</i> [Insert]
<b>References</b>	<i>[Provide names, addresses, phone and email contact information for two (2) references]</i> Reference 1: [Insert] Reference 2: [Insert]

I, the undersigned, certify that to the best of my knowledge and belief, the data provided above correctly describes my qualifications, my experiences, and other relevant information about myself.

\_\_\_\_\_  
Signature of Personnel

\_\_\_\_\_  
Date (Day/Month/Year)

## FORM F: Price Schedule Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder is required to prepare the Price Schedule following the below format. The Price Schedule must include a detailed cost breakdown of all goods and related services to be provided. Separate figures must be provided for each functional grouping or category, if any.

Any estimates for cost-reimbursable items, such as travel of experts and out-of-pocket expenses, should be listed separately.

### LOT 1 Third floor on top of RCO building

BOQs for additional/third floor on top of RCO building					
No	Item Description	Unit	QTY.	Unit Price	Total
<b>1</b>	<b>Demolition and Preparation Work:</b>				
1-1	Demolish work for the existing screed plain concrete on the roof and the roof of the existing staircase. Item includes relocate the water tanks to be on the roof to supply the building while working then install it again on the roof of the new staircase, dismantling for all the cables and pipes then reinstall them again, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer. (Tenderers are advised to visit the site and acquaint themselves with the surroundings and take any measurements to deem necessary as no claims will be accepted due to lack of knowledge of the site)	M <sup>2</sup>	290		\$0

1-2	Demolishing the decorative cement block on the windows , the wall of the staircase and the arch of the staircase windows, and demolition for the wall where the emergency door. Item includes dismantling for the two windows on the staircase, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer.	M <sup>2</sup>	85		\$0
1-3	Dismantling for the lighting then reinstall it again, item includes dismantling the cables and pipes then reinstall them again, hiding all the cables on the wall, cutting the wall, cabling, all the required works to make the lightings works and finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	6		\$0
1-4	<b>Dismantling for Steel Door:</b> Dismantling the exiting staircase solid door with its frame then install it again on the new staircase roof. item includes lifting to the new location, fixing on Hex Bolt on Concrete Anchor size D 22m* 25 cm, painting using a water proof paint, all the required works to finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	1		\$0
1-5	<b>Relocate air conditioner:</b> Relocate the existing outdoor unit of the air conditioner. Item includes increasing the pipe length, connecting the outdoor with indoor unit, the removing outdoor unit, then installing it, install firoid, fixing on the wall, water pipes of the AC should be connected to the roof level, and all the necessary work to finish this item according the profession work, technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	3		\$0
1-6	Dismantling for the existing Solar water heater then reinstall it again on the new roof, item includes lifting, connecting all the water supply water using PP, fitting, all the required works to finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	2		\$0
1-7	supply and install steel scaffold stairs from the earth level to the first floor level to be used as a way to transport all materials and labors to work on the first floor without using the building's staircase and the yard of the building, item includes partitions and insulate the area of work, it should be carried out in accordance with the Health and Safety at Work. Items include: support of the scaffold, the staircase from the street should be moveable. All the requirement to finish this items according to the supervisor engineer instructions.	Lump.	1		\$0

2	Concrete Work:				
2	NOTE: All form works and shuttering shall be new. Concrete items must include steel reinforcement with Fy 280 Grade 40, Supplying, Casting, vibrating, workmanship, scaffold, sleeves, grouting, adding material to join the old concrete with the new one, testing and providing test results certificates, storing and saving of samples, and curing concrete with 'f'c=30 Mpa, smooth face. Preliminary installations for Electrical, plumbing and floor drainage, due to excavation boarder, . All works must be in accordance with specifications, drawings and supervisor engineer instructions.	Note			
2-1	Supply and cast ready mix reinforced concrete Fcu = 35 Mpa for the columns as per drawings. according to the above specification	M <sup>3</sup>	6		\$0
2-2	Supply and cast ready mix reinforced concrete Fcu = 30 Mpa for the Ribbed Slabs and beams with steel reinforcement as per drawings. includes supply and install hollow cement blocks 20x20x40 cm.	M <sup>3</sup>	96		\$0
2-3	Supply and cast reinforced concrete Fcu = 30 Mpa for the stairs with beams at the middle according to the above specification	M <sup>3</sup>	6		\$0
2-4	Supply and install reinforced concrete (Fcu= 25 Mpa) for the <b>Lintel above the window with size 40x20cm</b> and length shall be extend at least 20 cm on both sides. with steel reinforcement (4Ø14 top and 4Ø14 bottom, and ties 1Ø8 @15 cm). according to drawings and the above specification.	L.M.	50		\$0
2-5	Ditto item 2.4, but <b>for Lintel above the doors with (20cmx20cm)</b> with steel reinforcement (2Ø14 top and 2Ø14 bottom, and ties 1Ø8 @20 cm),	L.M.	15		\$0
2.6	Supply and cast ready mix reinforced concrete Fcu = 25 Mpa for staircase roof item includes all the wooden temper with 6x3 in each 50 cm, plate with 14 mm, two layer of felt, then reinforced concrete with 10 cm thickness with 6 Ø 8 in both directions as per drawings. according to the above specification	M <sup>2</sup>	18		\$0

2.7	<p><b><u>Screed concrete works.</u></b> Supply and cast concrete screed slab class(C25) cast to falls not less than 3 cm thickness in drain point, rate to include lining and hunching 15x15cm with 45 degree to the side of roof screed and parapet including expansion joints every 3 m in both directions the all expansion joints shall be sealed with suitable insulation materials and formwork, placing, vibrating, shuttering, curing, complete as directed. The price include surface leveling, making good the harmed surfaces and edges and all surface finishing. The rate also includes supply and install roof water proofing membrane of bitumen rolls 4mm thick covered with quartz granules for main roof, parapet walls and primer coat GS at rate 25 kg/m2 installation of 15x15cm angle fillet 474 groove, groove sealant, groove cover, joints over lapping, backing sheets or pieces all around external and internal corners roof drains, and all necessary material to complete the works as per drawings, technical specification and UNDP Engineer's instructions.</p>	M <sup>2</sup>	320		\$0
<b>3</b>	<b>Stone Works</b>				
3-1	<p><b><u>Cladding Stone Works:</u></b> Supply and Build Abaseri "" Tuff Stone for all exterior walls with over all 50 cm thickness. The cladding should be the same the existing Abaseri Tuff Stone with not less than 75 - 100 mm thick first class, and interior layer is BLAK stone the same existing with thickness between 35 to 40 cm. Item includes the middle filling shall be 60% concrete and 40% crash basalt stone, size, and texturing shall be in accordance with Engineer's instructions and approval full cut, full dressed stone masonry, finish as shown on drawings. Including cement mortar 1: 3 backing, external stone decoration frets cutting, jointing, pointing in white cement, fixings, fittings, accessories. Including cutting by electrical saw for the Abaseri stone, shaping and building of stone shall be in straight angles, including the corner stones electrical Saw Habbash with size between 15 to 30 cm, no twisting. the price includes preliminary installations for Electrical, plumbing and floor drainage and protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and any work to finish this item as per specifications and drawings and instructions the supervising engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	370		\$0

3-2	<b><u>Habash Stone Works:</u></b> Supply and Build black " Habash " stone around the exterior walls, and around the windows with the stone size 15 cm is not less than 5 cm. Item includes Item cutting by electrical saw for the Habash stone, shaping and building of stone shall be in straight angles, including the corner stones, no twisting, shape the same design and any work to finish this item as per specifications and drawings and instructions the supervising engineer.	L.M.	300		\$0
<b>4</b>	<b>Cement Block Wall and Cladding Works</b>				
4.1	<b><u>Automatic Solid Block Works for Walls (20 cm Thick):</u></b> supply and install block building using automatic solid blocks (size 20x20x40) for interior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary & mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.	M <sup>2</sup>	320.00		\$0
4.2	<b><u>Decorative Cement Block :</u></b> supply and install Decorative cement block for all windows on the roof with (size 25x25x10 cm); it should be done using a cement mortar 1:3 cement-sand. The building should be balanced, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.	M <sup>2</sup>	60		0

4.3	<p><b><u>Plastering Work for External Walls:</u></b>  supply, install and spray cement plastering 20 mm thick for external walls and parapet, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing Coat with (1:5) cement-sand. Item includes supply all materials, metal lathing 300 mm wide shall be nailed and fixed over all joints between structural elements and block work or other types of finish before plastering commences, galvanized angle for the corners, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.  measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	50		\$0
4.4	<p>Supply and install double Qamaria decorative made of Gypsum with 5 cm thickness. Item includes drawing on the Qamaria with lines, making a hole, coloring glass with 4mm thickness, the line between the hole thickness of 1.5 cm, fixing, transferring and all the requirement to finish this item according to drawings, specifications, conditions and directed instructions by the engineer or his representative.</p>	M <sup>2</sup>	13		\$0
4.5	<p><b><u>Internal Plastering Work:</u></b>Supply, install and spray cement plastering 13 mm thick for all ceiling and eternal walls, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing coat 1:3 as per in the drawings. Item includes supply all materials, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all joints between structural elements and blockwork or other types of finish before plastering commences, galvanized angle for the corners, arounds the doors and windows, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	800		\$0
4.6	<p>Ditto item (4.5) , but for the ceiling</p>	M <sup>2</sup>	300		\$0
4.7	<p><b><u>Supply and apply anti humidity and water proof emulsion paint for exterior wall of the staircase:</u></b>  Supply and apply anti humidity and water proof emulsion paint, three coats with the required color. The work includes cleaning the surfaces of dust, dirt, stuck, and etc. sanding, priming, applying 2 finishing coats, and doing all it needs to finish the work properly, according to the technical rules and the engineer's instructions</p>	M <sup>2</sup>	110		\$0

4.8	<p><b><u>Painting Work for Internal walls:</u></b> Supply and install first class painting for Internal walls and partition, three layers. One undercoat primer and min. two-coats of oil paint without any smell. The item shall includes surface preparation, and cleaning the surfaces properly of dust, dirt, stuck, and etc., sanding, priming, putty, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	800		\$0
4.9	<p><b><u>Painting Work for the Ceiling:</u></b> Supply and install first class painting for ceiling with three layers of water paint. the item shall includes preparing surface, clean, remove dust, sanding, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	300		\$0
<b>5</b>	<b>TILING, AND FLOORING WORKS.</b>				
5.1	<p><b><u>Building floors tiling.</u></b> Supply and install non-slip 60x15x1cm Wood-Look Ceramic tiles Spanish class (A) for first floor. The tiles shall be laid and fixed in patterns, style and forms as directed by the Engineer. The price should include 2.5cm mortar bed with approved highly adhesive materials and 5cm thick sand bed, cutting&amp; trimming around floor utilities opening. Item include all required finishing including Pointing, grouting, cleaning, and polishing ... etc. as per design drawings, technical specifications and directed by UNDP Engineer.</p>	M <sup>2</sup>	266		\$0
5.2	<p><b><u>Skirting.</u></b> Supply &amp; install a good quality Wood-Look Ceramic skirting from the same type with the same color, size 60x10 cm chips, according to specifications and engineer's instructions. (Spain made)</p>	L.M.	235		\$0



5.3	<b><u>Bathrooms walls tiling.</u></b> Supply and install UNIK R90 WHITE 30X90 CM GLOSSY AZTECA SPANISH PORCELAIN & AZTECA EMOTION BLANCO 30X60 CM SPANISH PORCELAIN class (A) tiles for walls cladding of five-bathroom in different colors and size as detailed in design drawings and approved by the UNDP Engineer. The tiles shall be laid and fixed in patterns, style and forms of grouting & jointing as per design drawings using approved adhesive materials. The price also includes the cost of surface preparation to receive tiles, which shall include two coats of cement plaster (scratch and float coat), approved adhesive materials, for walls, grouting and chamfer the corner of tiles where required. All according to design drawings, technical specifications and the UNDP Engineer instructions.	M <sup>2</sup>	110		\$0
5.4	<b><u>Bathrooms floors.</u></b> Supply and install non-slip FIRST QUALITY 45X45 CM BIANCO VENA PORCELAIN tiles for five-bathroom floor cladding with all required works, as specified and approved by the Engineer. The price includes the mortar (1:3) the sand cement fills and 10 cm plain concrete. The color of the tiles shall be as chosen by the Engineer. The price shall include insulation works under floor tiles with water proofing membrane of bitumen rolls 5mm thick covered with quartz granules and primer coat GS at rate 25 kg/m <sup>2</sup> and all necessary material to complete the works as shown in the shop drawings, technical specifications and the UNDP Engineer instructions.	M <sup>2</sup>	25		\$0
5.5	<b><u>Staircase Tiles:</u></b> Supply and fix marble white color (Italian -made or equivalent ) or for the run and rise of the staircase with size 120*30* 3 cm it should be curvature at the edge. Item includes skirting and bedded on cement and sand mortar 1:3 laid on a dry mixed sand and cement backfill. Grouting and final polishing as per specifications, drawings and supervisor engineer's instructions or his representative. tiles shall be as chosen by the Engineer.	L.M.	30		\$0
5.6	Ditto, but for staircase landing. Price shall include marble skirting.	M <sup>2</sup>	16		\$0
6	<b>Aluminum &amp; Wooden Works:</b>				

6.1	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 100 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm from the side and 15cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	6		\$0
6.2	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 900 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm from the side and 15cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	2		\$0
6.3	<b><u>Two-leaf Aluminum door.</u></b> Supply, and install two-leaf Wood-Look Aluminum door (D7) size (1x1m) with 180° movement, item include fiberglass 4 mm thick two sides with over all thickness 8 mm Wooden color, all accessories, handles, locks, hinges, rubber. With all required sealants, accessories and hard ware as per shop drawings, technical specification and the instructions of supervising Engineer.	NO	1		\$0
6.4	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) for each bathroom with size 1.3 x 220 cm*4.5 cm ( Two leaf ). Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm from the side and 15cm from the top, hard wood for exposed edge high quality, color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	1		\$0

6.5	<b><u>Aluminum window:</u></b> supply and install sliding Aluminum windows for all windows, with 2 mm special section ( France or equivalent ), wooden look coat . Item includes self drilling screws with 12 cm length and 12mm Diameter each 20 cm, fly screens, silicon sealant, supplying, workmanship, fixation, double glass 6mm each layer, handles, Italian wheels, and locked. Item includes all necessary works are needed such as brushes, rubber EPDM to complete the work according to drawings, specifications, conditions and directed instructions by the engineer or his representative,	M <sup>2</sup>	45		\$0
6.6	<b>Anti-blast film to protect windows.</b> Supply and install SRF (Anti-Shatter Resistance Films) on all Glass Windows all floors. The film color is clear. The film shall have a nominal thickness 0.304 mm (12 mil), film material shall consist of an optically clear polyester film, with a durable acrylic abrasion resistant coating over the surface. The film color is clear, elongation to break 130% and tensile strength 172 Mpa. Item include all the requirement to finish this item according to the technical specifications, instruction of supervisor engineer. The contractor must submit a sample before implemented the work	M <sup>2</sup>	45		\$0
<b>7</b>	<b>Metal and Security Work</b>				

7.1	<p><b>Supply and install Armored steel door.</b>  In square meter: Heavy duty Armored steel door (bullet proof).  Supply and installation of heavy duty security (bullet proof protection level) steel door total thickness not less than 5 cm with steel angles and frames of approved quality and thickness. It also includes brass joint, locks and handles, painting with anti-rust, and anti-humidity paint, painting two layers ( water proof ), and all finishing works according to drawings and technical specifications.  Blast-Resistant External Frame size 50cm *10 *6mm*2  - Blast-Resistant Internal Frame size 50mm * 100mm * 3 mm  - A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical.  - Gears for the movement.  - Armored Glass with 4cm thickness.  - Steel door full metal plate 8 mm thickness two sides (16 mm)  - Heavy Weight Hinges with Welded Knuckles 45 mm *15cm *4*2  -Hex Bolt on Concrete Anchor size D 20mm* 20 cm* 6 in each direction  - Flat-Head Concrete Anchor  -Manual lock inside 3 *400mm*30mm *2 in both side.  - mechanical and electrical locked (Kale or equivalent )  - electrical cable .  -Handles with pipe 1 in Dia  -Four side sealing strip smoke protection  Measurement method based on door opening only</p>	M <sup>2</sup>	10		\$0
7.2	<p><b>Door closer for 8 mm doors :</b>  Supply and install heavy duty automatic door closer that fixed on Armored Door type (union 8825, Yale 4400 or equivalent) .  And all accessories to finish work as per specifications and manufacturer recommendations.</p>	No.	3		\$0
7.3	<p><b>Supply and install Emergency Exit Device .</b>  Supply and install an Emergency Exit Device / Single Leaf Panic Bar, 2 hrs. fire rated, Mortise Leaver Handle for Panic Bar with approved make</p>	No.	1		\$0
7.4	<b>Emergency Staircase</b>				
7.4.1	<p>Supply and install IPE 250-section with 25 x 12 cm x 8mm for the columns. Item includes base plate with 40 cm * 20 cm with 14 mm thickness , anchor bolt 4 x D 22 mm and 60 cm length inside the concrete base, stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks ", welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.</p>	M.L	20.00		0

7.4.2	Supply and install IPE 200-section with 20 x 12 cm x 7mm for the columns and beams. Item includes base plate with 35 cm * 20 cm with 14 mm thickness , anchor bolt 4 x D 22 mm and 60 cm length inside the concrete base, stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks " , welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.L	12.00		0.0
7.4.3	Supply and install HSS 150-section with 150 x 150 cm x 4mm for the columns and beams. Item includes connection, welding , stiffeners, all steel parts must be coated by two layers of anti-rust coating , cutting , lifting , grouting , fixing in the wall , water proof painting " wooden looks " , welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.L	30.00		0.0
7.4.4	Supply and install steel stairs consist of incline part called flight and horizontal part called landing, the first flight consist of many steps each step has 17cm open riser and 30 cm double steel plate tread with foam in the middle, the second & the third flights consist of many steps each step has 17cm open riser and 30 cm double steel plate tread ,(the top plate 2 mm granular plate ,the bottom plate 1.25 mm Smooth plate and its reinforced between the two plates using 2 tube section 6 cmx 3cmx 1.5 mm distributed each 25 cm longitudinally), the landing consist of double steel plate (the top plate 2 mm granular plate , the bottom plate 1.25 mm Smooth plate and its reinforced between the two plates using tube section 3 * 6 *1.5 mm distributed each 25 cm in width, in addition to the bottom reinforcement using tube section 4 * 8 *2 mm distributed each 25 cm longitudinally) at each landing, the side edges of the stairs (Soffit) consist of 2 tube section 5 * 10 *2 mm , Item includes the corridor for with all the connection between the slab I section and C section as shown in the drawings ,all steel parts must be coated by two layers of anti-rust coating cutting , lifting , water proof painting wooden looks ,welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer. Measurement method will be based on length of flight of the staircase without considering the width.	M.L	25.00		0.0

7.4.5	Supply and install steel sheets ,made of cold rolled steel of 300 Mpa minimum strength conforming ASTM A366 , for the roof with 1.5mm thickness item includes heat insulation layer, purlin with tube section 50x50x1.5mm to be distributed each 60 cm in both direction, welding, above the purlin each every 50 cm, cutting if it necessary, lifting, over lapping with 15 cm, including IPE 120, all steel parts must be coated by two layers of anti-rust coating and anti-moisture paint, two layers water proof painting , welding electrode, and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer (Measurement method would be calculated based on plan area without considering any )	M2	20.00		0.0
7.4.6	Supply and install steel handrails consist of tube cylindrical section 2 inch diameter connected at turning points using cylindrical knee 2 inch diameter, which reinforced using (Newel) tube cylindrical section 2 inch distributed each 0.9m, 3 horizontal reinforcement using tube cylindrical section 1.25 inch distributed each 17cm connected at turning points using cylindrical knee 1.25 inch diameter, all steel parts must be coated by two layers of anti-rust coating cutting , lifting , water proof painting ,welding electrode and all the required works to finish this item , according to drawings ,technical specifications and instructions the supervising engineer.	M.I	40.00		0.0
7.5	<b>Metal grill for the windows:</b> Supply and Install metal bars grill for bathroom windows .The bar size 12 x12 mm with size .5x.6, steel bars decorative (standard shape), approx. the spacing between bars about 10cm in the two directions, the window edges angle (L-section) L 70 x70x 5 mm, anchored by galvanized steel bolts (Hilti-rated)15mm dia,. And 150 mm length into concrete/stone wall each 30 cm . Item includes welding, cutting, hoisting, fixing in position, workmanship, oil painting (base coat & min. 2-coats of oil painting approved color( water proof) and anti , according to the technical specifications, drawings, and instruction of supervisor engineer.	M2	7.00		0.0
7.6	<b>Steel handrail Works :</b> supply and install steel handrails for the stairs the same the existing with height is 1 m . The bottom part is plate with 3mm thickness and 5 cm width, top part is a tube section 4x2 cmx 2mm, the vertical is two tube section with size 2x2cm and metal grill with 8 x8 mm alternately. Item includes click-on covering rosettes, base, cover, mid and end Cap, and all the accessories, fixing, polishing, grouting .... etc., painting with water proof paint, and all required work to finish this item according to drawings, technical specifications, and instructions of the supervising engineer.	L.M.	35		0

7.7	<p><b>Frame catchers window:</b>Supply and Install frame catchers window from cable restraint systems D10 mm as show in detail. It should be installed every 20 cm between the cables lines and fixing by D16mm mechanical anchor into concrete lintel with minimum 150mm embedment length typical spacing 200mm and for the floor D16mm through bolt with typical spacing 200mm. Item includes hock with D10 mm, 10mm diameter clip (no less than 3 per cable end), steel plate with 40 mm width and 10mm thickness, insulation the cable with plastic, block up the hole by silicon, cutting/drilling, painting for all steel section with water proof paint at least three layers and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p>	M <sup>2</sup>	54		\$0
7.8	<p><b>Polycarbonate protection for (Qamariah) Yemeni arch.</b> Supply and install polycarbonate protection for decorative gypsum arcs (Yemeni arcs) as per drawings, and includes: Polycarbonate 10 mm thickness, main frame steel tube 100x50x2, to be anchoring into concrete/stone wall by galvanized steel bolts 16mm dia and 150mm length, 2 x Secondary frame tube 25x25x2. The price includes panting with primer and oil white color paint. The item includes all accessories to complete the work as per drawings, specification, and directed by the Engineer.</p>	M <sup>2</sup>	13		\$0
7.9	<p>Anti-vision screen (3-meter height to cover the emergency staircase: Supply and install anti-vision screen as per drawings, and the work includes:</p> <ul style="list-style-type: none"> <li>- Net clear height with 3 meters</li> <li>- double Weatherproof Polyethylene Shade made of a UV stabilized high density polyethylene, shading rate 95%, Fire Rating according to ASTM E84, nominal fabric mass 435gsm, approximate thickness 1.8mm, tensile strength -warp 870N/50mm, elongation at break 112%, tensile strength -weft 1870N/50mm, wing tear-warp 172N, wing tear-weft 301N, bursting pressure 3600 Kpa, bursting force 2075 KN, flex cracking resistance 400,000+cycles. Thread Shall be 100% expanded PTFE fiber which carries a 10-year warranty that is high strength and low shrinkage, shall have a wide temperature and humidity range, Abrasion resistant and UV radiation immunity, shall be unaffected by non-hydlItalianrbon-based cleaning agents, acid rain, mildew, rot, chlorine, saltwater, and pollution, Lockstitch thread – 1200 Denier or equal.</li> </ul> <p>Chain stitch thread – 2400 Denier or equal. SEWING, on-site sewing of a fabric will not be accepted, all corners shall be reinforced with extra non-tear cloth and strap to distribute</p>	M <sup>2</sup>	60		\$0

	<p>the load, the perimeters that contain the cables shall be double lock stitched.</p> <p>Supply and install steel HSS 150x150x4mm section columns and beams, frame for the Weatherproof Polyethylene Shade is steel tube section 60*30*1.5 mm as outer frame, and steel tube section 60*30*1.25mm distributed vertical and horizontal each 1.5m, secondary beam with tube section steel section 8 * 4cm *2mm to be distributed each 1.5 m along the column height, connections plate, bracing using L section 7x7cmx7mm at the beginning and middle and end.</p> <ul style="list-style-type: none"> <li>- Foundation with size 50x50x50m, Base plate 25x15cm x10mm thick, 4 anchor bolts 20mm Dia 30cm long for each column.</li> <li>- the polyethylene should be from inside and outside, double polyethylene should be warped around the external frame, and weaving belt at the edges of the frame.</li> <li>- Paining all steel elements with anti-rust, and anti-humidity paint, painting two layers (waterproof) wooden looks.</li> <li>- Excavation, cutting the tiles, re-install tiles, and transferring the debris outside the site.</li> </ul> <p>The work includes welding, fixing the shade and all accessories and civil work to complete the item as per drawings, specifications, and directed by engineer.</p> <p>(Measurement method would be calculated based on cloth area only, not from the base)</p>				
7.10	<p><b><u>Metal fence 85cm height.</u></b></p> <p>Supply and install metal railing with height of 85 cm, the price includes tubes of 50x50x2.5 mm and vertical tubes 50x50x2.5 mm each 60 cm and two horizontal tubes are 50x50x2.5 and the distance between them is 60 cm. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface must be Wood-Look as per design drawings, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	10		\$0
<b>8</b>	<b>SAFETY</b>				<b>0</b>
8.1	<p>CO2 Fire Extinguishers.</p> <p>Providing and fixing CO2 type fire extinguishers with steel cylinder with a discharge valve and conforming to IS:15683. Extinguishers shall be painted with rex enamel paint and fixed to wall with brackets capacity 6 Kg.</p>	NO	4		\$0



8.2	<p>ABC Powder Fire Extinguisher.</p> <p>Supplying, installing and commissioning of ABC Powder 6 Kg Fire Extinguisher containing Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, fitted with discharge hose, wall mounting bracket etc., Discharge Time less than 15 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 8A, B Rating 34B, Can Construction : Deep drawn &amp; Co2 Mig welded, Valve Construction : Forging &amp; Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 1.60MM, ISI approved as per IS:15683.</p>	NO	1		\$0
8.3	<p>EMERGENCY LIGHTING SYSTEM.</p> <p>Supply install, test and commission complete LED emergency lighting to be operated where the primary power supply gets disconnected. It shall enable all occupants to leave the premises safely with 2x2.5+1X1.5 sq. mm PVC insulated multistrand copper conductor cable (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, including all connections, suspension, clamps and all other accessories necessary to provide a complete fitting with all terminals. All electrical wiring must be hidden beyond the plastering layer; no external cables trucking should be used at all. The rate shall include cut the plastering by using a Disk Grinder Machine carefully, scratching the edges of existing plastering and provide plastering with reinstating of surrounding area which occasionally got any type of damage to the full satisfaction of UNDP Engineer. All according to drawings and specifications for the following:</p>	NOTE			
8.3.1	<p>Emergency Singed Lighting Fixture. Supply and install Self-contained emergency singed lighting fixture. Body of polycarbonate housing, flame retardant &amp; self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using 1x8 w LED lamp. 220v/50hz(Philips or equivalent)</p>	NO	2		\$0
8.3.2	<p>Emergency Lighting Fixture.</p> <p>Supply and install Self-contained emergency lighting fixture ceiling-mounted with function test. Body of polycarbonate housing, flame retardant &amp; self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using LED lamps. 220v/50hz(Philips or equivalent)</p>	NO	6		\$0

8.4	Supply, install, and commissioning night Reflective Glow Signage & Boards. material: Photo luminescent material size: 300 mm X 200 MM. It will glow in dark in the event of power failure. These tapes are immediately visible. Easily affixed on walls columns, stair ways etc. including Alucobond thickness of 4 mm. Rust proof, waterproof and chemically resistant finish, all letter and sign should be projected from the Alucobond plate surfaces, long-lasting service performance, according to drawings as follows:	noted			
8.4.1	Supply and Install Reflective Fire Extinguisher dimensions Height 200xlength 300x 3width	NO.	5		0.0
8.4.2	Supply and Install Reflective Electrical panel dimensions Height 200xlength 300x 3width	NO.	2		0.0
8.4.3	Supply and Install Reflective fire call point dimensions Height 200xlength 200x 3width	NO.	3		0.0
8.4.4	path marking system for wall application with 35 mm width, Rigid PVC escape route signs to be installed at a maximum height of 400mm above floor level in all staircase.	m	84		0.0
8.5	<b><u>First Aid kits.</u></b> Supply and install empty single leaf wall mounted First Aid kits (0.9x0.45x0.2) m manufactured from welded 1mm thick steel plate with three adjustable shelves and chrome handle and 2 point locking system. Anti-bacterial white powder coated finish is required. The box shall be able to maintain integrity for 30-minute fire resistance with all necessary accessories to complete the work.	NO	1		0
9	<b>Sanitary Works</b>				
9.1	<b>Supply and install Rain Drainage pipes.</b> Item includes UPVC pipes with 4-inch from the roof to ground level. Item includes fitting with all required fitting , fixing on the walls by bracket, fittings, pipe nipples, nuts, making a hole on the wall, all visible Pipes mounted on the external walls, connections, downspout, elbows, grouting, elbow at the ground level, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	m	45.0		0
9.2	<b>Main Sewerage UPVC Pipes with 4 in Dia ( main pipe) of the toilets</b> Supply, install, testing and commissioning of the UPVC (5.5mm Thickness) 4 inch waste water drainage to connect to the pipe under it, all visible Pipes mounted on the external walls. Item includes making a hole on the wall, pipe fittings, elbows, grouting, all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	m	30.0		0

9.3	<b>Water supply Pipes:</b> Supply and install insulated water PP. Pipe supply pipes (0.75") with Aluminum foiled insulation (Saudi or equivalent) 16 bar pressure to connect between the main valve with tank. Item includes main valves for the bathrooms, air release valve, weld water supply pipe, insulation, fittings, pipe nipples, nuts, unions, brass fitting adapters as per specifications, drawings and supervisor engineer instructions.	m	60.00		\$0.00
9.4	<b><u>stainless steel trap floor drain:</u></b> Supply, installation, testing and commission floor trap (15cmx15cm) complete with concrete protection . Item includes UPVC drainage pipe with 4 in, and accessories( pipes, couplings, covers, plates, p traps, and etc.) to connect floor drain to the external sanitation networks, set out the inclination, fitting , all civil works, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	3.00		\$0.00
9.5	<b>Commodos Toilet:</b> Supply, installation, testing and commission Commodes Toilet ( western closet) ( Italian, UK or equivalent first type ). floor mounted , white color, Porcelain, siphon jet water closet/toilet with an elongated bowl, seat with open front and checks hinges, and all necessary accessories such as 9 liter dual-flush cisterns, fittings, 13mm stop angle valves, fixable water supply hose, connecting water supply pipes using hot Polypropylene .75 in from the main valves, and UPVC sewerage pipe with 4 in to the main pipes outside and all civil works and requirements to finish this item according to drawings, specifications, and engineer's instructions.	No.	2		\$0.00
9.6	<b><u>Urinal Basin.</u></b> Supply, install, connect, testing and commissioning of, white vitreous china flat back type lipped front urinal basin of 430x260x350mm sizes with 5 liter automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required. The rate shall include piping connection to drainage and water systems from/to source/manholes as per drawings, specifications and related codes.	No.	1		0
9.7	<b><u>Hand-held bidet sprayer.</u></b> Supply, install, testing and commissioning of brass hand held bidet spray shattaf with holder high quality (BOSSINI or equivalent) + hot & cold water valve mixer (NOBILI or equivalent) + hose sprayer jet tap douche kit including Inlets, quick shut-off valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply and install piping from the source.	No	2		\$0

9.8	<b><u>Hand Wash Basin.</u></b> Supply and install hand wash basin oval shape White Reinforced (TOTO or equivalent) as per design drawings with trap outlet approved color according to design drawings and instructions of UNDP Engineer. The item includes all drainage piping to the nearest floor trap. Complete with fitting, drop pipe flexible connections and necessary water connection.	No.	2		\$0
9.9	<b><u>Sink.</u></b> Supply, install, testing and commissioning of compartment 2 bowl stainless steel Portuguese (Beta or equivalent). The item includes sink water miter moveable one, all drainage piping to the nearest floor trap. It shall be provided with pre-punched fixture center hole, integral back ledge to accommodate deck-mounted fixtures,	NO	1		\$0
9.10	<b><u>Hot and Cold Water Collectors/mixer.</u></b> Supply, install, connect, testing and commissioning of, hot and cold water collectors/mixer 35 cm height (MUNK or equivalent) 3/4" Inlets/ Outlets quick shut-off valves, record valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply piping from the source all according to design drawings and instructions of UNDP Engineer.	No.	3		\$0
9.11	<b><u>Coat hook.</u></b> Supply and installing of wall mounted double towel coat hook stainless steel (TOTO or equivalent), polished and brushed stainless steel finish, resist daily scratches, corrosion and tarnishing, concealed screws design with all required according to drawings and instructions of Engineer.	No.	2		\$0
9.12	<b><u>Glass shelf.</u></b> Supply and installing of tempered glass shelf, bathroom shelf (TOTO or equivalent) with 50 cm long rectangular glass (8mm thick) wall mount, brushed nickel with all required hardware for installation according to drawings and instructions of Engineer.	No.	2		\$0
9.13	<b><u>Paper holder.</u></b> Supply and installing of paper holder surface mounted satin finish stainless steel (TOTO or equivalent). Disposal features a flip-up cover, secured to the container by a heavy duty stainless steel piano-hinge. Disposal secured to wall or toilet partition.	No.	2		\$0
9.14	<b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (180x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.	NO	2		\$0

9.15	<b><u>Solar water heater.</u></b> Supply, install, test and commission complete of solar water heater with 0.25 m3 anti-corrosion stainless steel water tank with metal thickness at least 0.8mm.- Vacuum tube Heat absorption efficiency at least 95 %. With stainless steel frame. Provided with heat insulation to keep hot water temperature for at least 72 hour. 2 years warranty period. Cathodic protection of water tank through sacrificed magnesium bar or equivalent technology. - Proper tilt angle accommodate to the site conditions. Including all water pipes network to 3 bathrooms with high quality heat rated PVC pipes Sch 80 at least. The final install-locations will be determined with the end user.	No.	1		\$0
9.16	Supply and install plastic water tanks with 2000L capacity, 3 layers, made of polyethylene. Item includes electrical float, connection from the main underground tank to the roof, water supply pipes, tanks base, install water electrical pump with vertical head min.20 m, and valves and any other related accessories. The price includes all requirements to complete the work according to technical specifications and drawings	NO.	2		\$0
9.17	<b><u>Marble Counter.</u></b> Supply and install high quality white decorative marble slabs type " Carrara, Afyon or equivalent" with 3 cm thick for bathroom's counters as per tiling pattern and form on design drawings . The price includes providing and building projection wall 20 cm width from cement block 10 cm thick for vanity sides, RC slab with 10 cm with 5φ 10 as detailed in design drawings with making suitable overlapping between the existing wall and the projection. The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.	NO	2		\$0
9.18	<b><u>Marble Counter.</u></b> Supply and install high quality white marble slabs 4x0.6 m type "Carrara, Afyon or equivalent" with 3 cm thick for kitchen hand wash area counter as per tiling pattern and form on design drawings. The price includes providing and building projection wall 20 cm width from cement block 10 cm thick, RC slab with 10 cm with 5φ 10 . The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.	M <sup>2</sup>	2.4		\$0
10	<b>ELECTRICAL WORKS:</b>				

10.1	Supply, install and connect commission complete lighting fixture with (4000 - 6500)K CCT, minimum 10000 hr. working lifetime, (90 - 110)lm/W luminous efficiency, RI>80% (Philips or equivalent) , hiding all pipes, pipes (Saudi or equivalent) in recessed 25mm dia PVC, all fittings (i.e. bends, thrust blocks, end caps, ...etc.), hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, including The lighting fixtures shall be with 3x1.5 sq. mm PVC insulated multistring copper conductor cable (Saudi cable or equivalent), all supports, lamps, P.F. correction capacitors, electronic, connections, suspensions, clamps, switches single, double as per in the drawings, and all other accessories necessary to provide a complete fitting with all terminals and with all accessories to complete the work in according to drawings, specifications, international standards and code of practice such as IEC/EN 62471.	Note			
10.1.2	Ceiling mounted lighting fixture water proof with (1x24watt)	NO.	3		\$0
10.1.3	Ceiling mounted lighting fixture with (1x26watt)	NO.	3		\$0
10.1.4	Ceiling mounted lighting fixture with (1x18watt)	NO.	2		\$0
10.1.5	LED fixtures 597*597mm mounted on modular ceiling with a semi-high gloss mirror optic louver	NO.	46		\$0
10.1.6	HEXAGON 600 mm Dia with power not less than 27W	NO.	4		\$0
10.1.7	Above mirror-lighting luminaries with (1x12watt)	NO.	4		\$0
10.1.8	Outdoor all mounted lighting fixture water proof with (1x24watt)	NO.	1		\$0
10.2	Providing and fixing suction fan inside the kitchen and bathroom with 20 cm with not less than 80 CFM dia item includes ,cutting the glass ,PVC conduit, rubber, insulation, and all the requirement to finish this item	NO.	3		\$0
10.3	Supply, install, test and commission a complete single-phase socket outlet points or power point, including all PVC insulated multistrand copper conductor cable(Saudi cable or equivalent) 600/1000v, including all cables with 3x4mm, cleats, supports, brackets, glands, cable terminals, cable ties, labeling, conduits, terminal boxes, receptacle, pipes (Saudi cable or equivalent) in recessed 25mm dia PVC pipe all fittings (i.e. bends, thrust blocks, end caps,...etc.), pipes as per in drawings, hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, and all connections between the appropriate distribution board to the terminal point, as specified and as detailed on drawings , earthed switched type with indication lamp.(additional cable length should be left for future connection to the equipment).and all in according to national standards and code of practice such as BS EN 60669-1 and BS 1363-2.	Note			
10.3.1	2POLE+EARTHING SINGLE SOCKET (13A-220V)	NO.	12		\$0
10.3.2	2POLE+EARTHING SOCKET WATER PROOF (13A-220V)	NO.	4		\$0
10.3.3	2POLE+EARTHING SOCKET WATER PROOF (16A-220V)	NO.	1		\$0
10.3.4	2POLE+EARTHING DUPLEX SOCKET (13A-220V)	NO.	51		\$0

10.3.5	13A SINGLE SWITCH FOR FAN	NO.	3		\$0
10.4	Supply, install, connect, test and commission of Secondary or Final low voltage Distribution Boards. In accordance with form-4 to BS EN 60439-3(IEC 60439), IP-32 complete with all protective devices, measuring instruments, breakers, busbars, Termination of incoming cables and outgoing bus duct including cable glands, labels, tags, terminations, components, pipes (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, all fittings (i.e. bends, thrust blocks, end caps, T-connections, reducers...etc.), cutting the wall to install DB, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, hiding all cable pipes, accessories and all related ancillary works as shown on drawings and specified in specifications and in according to code of practice and standards such as IEC 60439,61439 and IEC 60947.	Note			
10.4.1	Distribution board (DB), 24 way outs (DB-S)	NO.	1		\$0
10.4.2	MCCB 63A 4P , 400volt 3 $\phi$ . including RCCB	NO.	1		\$0
10.4.3	MCB 16A 1P , 400volt 3 $\phi$ .	NO.	16		\$0
10.4.4	MCB 6A ,1P, 230 volt ,1 $\phi$ .	NO.	8		\$0
10.4.5	Distribution board (ACDB), 24 way outs (UDB-S)	NO.	1		\$0
10.4.6	MCCB 63A 4P , 400volt	NO.	1		\$0
10.4.7	MCB 16A 1P , 230volt	NO.	14		\$0
10.4.8	MCB 10A ,1P, 230 volt ,1 $\phi$ .	NO.	10		\$0
10.4.9	Distribution board (ACDB), 18 way outs (ACDB)	NO.	1		\$0
10.4.10	MCCB 63A 4P , 400volt	NO.	1		\$0
10.4.11	MCB 25A 1P , 230volt	NO.	14		\$0
10.4.12	MCB 16A ,1P, 230 volt ,1 $\phi$ .	NO.	4		\$0
10.5	Supply, install, test and commission low voltage SWA/XLPE / PVC copper cables, (0.6/1K.V) including glands, cable ties, labeling, pipe (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, all fittings (i.e. bends, thrust blocks, end caps, T-connections, reducers...etc.), pipes as per in drawings as per in drawings, hiding all pipes and cutting for cable pipes, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all grooves, plastering, hiding all cable pipes, all associated according to the drawings, specifications and relevant codes of practice and highest prevailing engineering standards such as IEC 60502-1 and BS 6346, for;	NO.			
10.5.1	4 x 16 mm <sup>2</sup> SWA/XLPE/PVC/PVC+(E= 16 mm <sup>2</sup> )	M.I	200		\$0
10.5.2	4 x 10 mm <sup>2</sup> SWA/XLPE/PVC/PVC+(E= 16 mm <sup>2</sup> )	M.I	100		\$0
<b>11</b>	<b>HIGH WALL AIR CONDITINERS:</b>				

11.1	Supply, install, test and commission complete of cooling /heating high wall air conditioning , Inverter DC"8 poles compressor technology" ,(220V-1Phase-50H),refrigrant to be of environment friendly (R410A). item includes installation of anti-vibration rubber under the outdoor unit, 99.9% pure copper pipes ( Cu-DHP) according to ISO 1337 or UNI EN 12735-1),Thermostat, pipe insulation( polyethylene foam) closed cell, thickness 6 mm and inner diameter of insulation should fit the copper pipe diameter .pipes and insulations should wrap with white color non adhesive and adhesive PVC tape ,wires between the units turnkey as required and hangers should be installed every 1.5 meter ,PVC pipes for drainage and connect to the nearest drainage point fixing indoor unit on the ceiling, make an opening on the wall to connect the outdoor unite with the indoor unit .and include the electrical cable 3x4mm2 and all related work and material to supply power from the distribution board to the AC. all the requirement to finish this item all accessories complete as required per drawings and specifications.	No.	8	\$0
<b>TOTAL Amount for Civil Work</b>				<b>\$0</b>

### BOQs for additional/third Floor on top of RCO Building

NO	DESCRIPTION	TOTAL COST in USD
DEV. 01	1- Demolition and Preparation Work	--
DEV. 02	2- Concrete Work	--
DEV. 03	3- Stone Works	--
DEV. 04	4- Cement Block Wall and Cladding Works	--
DEV. 05	5- TILING, AND FLOORING WORKS	--
DEV. 06	6- Aluminum & Wooden Works	--
DEV. 07	7- Metal and Security Work	--
DEV. 08	8- Safety Work	--
DEV. 09	9- Sanitation Work	--
DEV. 10	10- Electrical Work	--
DEV. 10	11- HIGH WALL AIR CONDITINERS	--
<b>TOTAL</b>		<b>--</b>



## LOT 2 Fourth Floor on top of the Operation's Building

**BOQs for Additional/Fourth Floor on top of the Operation's Building**

No	Item Description	Unit	QTY.	Unit Price	Total
<b>1</b>	<b>Demolition and Preparation Work:</b>				
1-1	Demolish work for the existing floor tiles, and screed plain concrete on the roof and the roof of the existing staircase. Item includes relocate the water tanks to be on the roof to supply the building while working then install it again on the roof of the new staircase, dismantling for all the cables and pipes then reinstall them again, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer. (Tenderers are advised to visit the site and acquaint themselves with the surroundings and take any measurements to deem necessary as no claims will be accepted due to lack of knowledge of the site)	M <sup>2</sup>	250		\$0
1-2	Demolishing for the parapet, the wall of the staircase and the staircase windows, and demolition for the wall where the emergency door. Item includes dismantling for the window on the staircase, removing all remaining obstacles such as block, concrete, stones, .... etc. lifting and transporting all waste and debris outside the site to any unobjectionable place to be identified by the contractor at his own cost and all related works to finish this item according to prepare the site as per in the drawings, technical specifications, and instruction of supervisor engineer.	M <sup>2</sup>	50		\$0
1-3	Dismantling for the lighting then reinstall it again, item includes dismantling the cables and pipes then reinstall them again, hiding all the cables on the wall, cutting the wall, cabling, all the required works to make the lightings works and finish this item according to drawings ,technical specifications and instructions the supervising engineer.	No.	2		\$0

1-4	supply and install steel scaffold stairs from the earth level to the fourth floor level to be used as a way to transport all materials and labors to work on the first floor without using the building's staircase and the yard of the building, item includes partitions and insulate the area of work, it should be carried out in accordance with the Health and Safety at Work. Items include: support of the scaffold, the staircase from the street should be moveable. All the requirement to finish this items according to the supervisor engineer instructions.	Lump.	1		\$0
<b>2</b>	<b>Concrete Work:</b>				
2	NOTE: All form works and shuttering shall be new. Concrete items must include steel reinforcement with Fy 280 Grade 40, Supplying, Casting, vibrating, workmanship, scaffold, sleeves, grouting, adding material to join the old concrete with the new one, testing and providing test results certificates, storing and saving of samples, and curing concrete with 'f'c=30 Mpa, smooth face. Preliminary installations for Electrical, plumbing and floor drainage, due to excavation boarder, . All works must be in accordance with specifications, drawings and supervisor engineer instructions.	Note			
2-1	Supply and cast ready mix reinforced concrete Fcu = 35 Mpa for the columns and for the armored door column, as per drawings. according to the above specification	M <sup>3</sup>	10		\$0
2-2	Supply and cast ready mix reinforced concrete Fcu = 30 Mpa for the Ribbed Slabs and beams with steel reinforcement as per drawings. includes supply and install hollow cement blocks 20x20x40 cm.	M <sup>3</sup>	78		\$0
2-3	Supply and cast reinforced concrete Fcu = 30 Mpa for the stairs with beams at the middle according to the above specification	M <sup>3</sup>	4		\$0
2-4	Supply and install reinforced concrete (Fcu= 25 Mpa) for the <b>Lintel above the windows and door with size 20x20cm</b> and length shall be extend at least 20 cm on both sides. with steel reinforcement (2Ø14 top and 2Ø14 bottom, and ties 1Ø8 @15 cm). according to drawings and the above specification.	L.M.	58		\$0
2.6	Supply and cast ready mix reinforced concrete Fcu = 25 Mpa for staircase roof item includes all the wooden temper with 6x3 in each 50 cm, plate with 14 mm, two layer of felt, then reinforced concrete with 10 cm thickness with 6 Ø 8 in both directions as per drawings. according to the above specification	M <sup>2</sup>	19		\$0

2.7	<p><b><u>Screed concrete works.</u></b></p> <p>Supply and cast concrete screed slab class(C25) cast to falls not less than 3 cm thickness in drain point, rate to include lining and hunching 15x15cm with 45 degree to the side of roof screed and parapet including expansion joints every 3 m in both directions the all expansion joints shall be sealed with suitable insulation materials and formwork, placing, vibrating, shuttering, curing, complete as directed. The price include surface leveling, making good the harmed surfaces and edges and all surface finishing. The rate also includes supply and install roof water proofing membrane of bitumen rolls 4mm thick covered with quartz granules for main roof, parapet walls and primer coat GS at rate 25 kg/m2 installation of 15x15cm angle fillet 474 groove, groove sealant, groove cover, joints over lapping, backing sheets or pieces all around external and internal corners roof drains, and all necessary material to complete the works as per drawings, technical specification and UNDP Engineer's instructions.</p>	M <sup>2</sup>	250		\$0
<b>3</b>	<b>Cement Block Wall and Cladding Works</b>				
3.1	<p><b><u>Solid Block Works for Walls (20 cm Thick):</u></b></p> <p>supply and install block building using solid blocks (size 20x20x40) for exterior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.</p> <p>measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	250.00		\$0

3.2	<p><b><u>Automatic Solid Block Works for Walls (20 cm Thick):</u></b>supply and install block building using automatic solid blocks (size 20x20x40) for interior walls; it should be done using a cement mortar 1:3 cement-sand. The building should be balanced and interlinked, all associated works such as watering, materials, scaffolds, placing of approval blocks, providing openings, loading and unloading, transportation, workmanship, preliminary installations for Electrical protection concrete(B-200) around sleeve sand pipes(for electrical, sanitary &amp; mechanical), and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>3</sup>	200.00		\$0
3.3	<p><b><u>Plastering Work for External Walls:</u></b> supply, install and spray cement plastering 20 mm thick for external walls and parapet, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing Coat with (1:5) cement-sand. Item includes supply all materials, metal lathing 300 mm wide shall be nailed and fixed over all joints between structural elements and block work or other types of finish before plastering commences, galvanized angle for the corners, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.</p>	M <sup>2</sup>	465		\$0
3.4	<p><b><u>Internal Plastering Work:</u></b> Supply, install and spray cement plastering 13 mm thick for all ceiling and eternal walls, composed of 3 layers first layer spatter dash mortar (1:2); second layer base coat with a mixture of cement and sand (1: 4), and finishing coat 1:3 as per in the drawings. Item includes supply all materials, metal lathing 300 mm wide and 3.2 mm thickness shall be nailed and fixed over all joints between structural elements and blockwork or other types of finish before plastering commences, galvanized angle for the corners, arounds the doors and windows, mixing, scaffolds, curing, workmanship &amp; tools, and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.</p>	M <sup>2</sup>	650		\$0

	measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.				
3.5	Ditto item (3.4) , but for the ceiling	M <sup>2</sup>	225		\$0
3.6	<b>Supply and apply anti humidity and water proof emulsion paint for exterior wall of the staircase:</b> Supply and apply anti humidity and water proof emulsion paint, three coats with the required color. The work includes cleaning the surfaces of dust, dirt, stuck, and etc. sanding, priming, applying 2 finishing coats, and doing all it needs to finish the work properly, according to the technical rules and the engineer's instructions	M <sup>2</sup>	1150		\$0
3.7	<b><u>Painting Work for Internal walls:</u></b> Supply and install first class painting for Internal walls and partition, three layers. One undercoat primer and min. two-coats of oil paint without any smell. The item shall includes surface preparation, and cleaning the surfaces properly of dust, dirt, stuck, and etc., sanding, priming, putty, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative.The color of the paint shall be as chosen by the supervisor engineer.measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.	M <sup>2</sup>	620		\$0
3.8	<b><u>Painting Work for the Ceiling:</u></b> Supply and install first class painting for ceiling with three layers of water paint. the item shall includes preparing surface, clean, remove dust, sanding, under coat, finishing coat and all the requirements to finish this item according to drawings, specifications, conditions and direct instructions by the Engineer or his representative. The color of the paint shall be as chosen by the supervisor engineer. measurement shall be measured by accurate field measurement with deduct all voids or opening as a net area without any exceptions.	M <sup>2</sup>	225		\$0
4	<b>Tiles Work:</b>				

4.1	<b><u>Building floors tiling.</u></b> Supply and install non-slip 60x15x1cm Wood-Look Ceramic tiles ( Spanish class (A) or equivalent) for floors. The tiles shall be laid and fixed in patterns, style and forms as directed by the Engineer. The price should include 2.5cm mortar bed with approved highly adhesive materials and 5cm thick sand bed, cutting& trimming around floor utilities opening. Item include all required finishing including Pointing, grouting, cleaning, and polishing ... etc. as per design drawings, technical specifications and directed by UNDP Engineer.	M <sup>2</sup>	190		\$0
4.2	<b><u>Skirting.</u></b> Supply & install a good quality Wood-Look Ceramic skirting from the same type with the same color, size 60x10 cm chips, according to specifications and engineer's instructions. (Spain made)	L.M.	200		\$0
4.3	<b><u>Bathrooms walls tiling.</u></b> Supply and install UNIK R90 WHITE 30X90 CM GLOSSY AZTECA SPANISH or equivalent PORCELAIN & AZTECA EMOTION BLANCO 30X60 CM SPANISH PORCELAIN class (A) tiles for walls cladding of five-bathroom in different colors and size as detailed in design drawings and approved by the UNDP Engineer. The tiles shall be laid and fixed in patterns, style and forms of grouting& jointing as per design drawings using approved adhesive materials. The price also includes the cost of surface preparation to receive tiles, which shall include two coats of cement plaster (scratch and float coat), approved adhesive materials, for walls, grouting and chamfer the corner of tiles where required. All according to design drawings, technical specifications and the UNDP Engineer instructions.	M <sup>2</sup>	100		\$0
4.4	<b><u>Insulate Work (Bitumen Rolls):</u></b> Supply and install waterproof of poly-bitumen rolls 4 mm thick in order to insulate the floor of the bathroom. Item includes primer layer, heating all necessary material to complete the works as shown in the drawings and as per manufacturer instructions and codes of practice and specifications and engineer's instructions.	M <sup>2</sup>	14		\$0

4.5	<b>Bathrooms floors.</b> Supply and install non-slip FIRST QUALITY 45X45 CM BIANCO VENA PORCELAIN tiles for five-bathroom floor cladding with all required works, as specified and approved by the Engineer. The price includes the mortar (1:3) the sand cement fills and 10 cm plain concrete. The color of the tiles shall be as chosen by the Engineer, cutting & trimming around floor utilities opening, tiles slope, watering, grouting using special chemical material, cleaning, polishing ... etc. and all the requirements to finish this item according to specifications, supervisor engineer's instructions or his representative. The type and color of the tiles shall be chosen by the supervisor engineer.	M <sup>2</sup>	14		\$0
4.6	<b>Staircase Tiles:</b> Supply and fix LOCAL MARBLE or for the run and rise of the staircase with size 125*35* 3 cm it should be curvature at the edge. Item includes skirting and bedded on cement and sand mortar 1:3 laid on a dry mixed sand and cement backfill. Grouting and final polishing as per specifications, drawings and supervisor engineer's instructions or his representative. tiles shall be as chosen by the Engineer.	L.M.	30		\$0
4.7	Ditto, but for staircase landing. Price shall include marble skirting.	M <sup>2</sup>	25		\$0
<b>5</b>	<b>Aluminum &amp; Wooden Works:</b>				
5.1	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 90 x 220 cm*4.5cm. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm from the side sand 10cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.	No.	11		\$0
5.2	<b>Wooden Door</b> Supply and install a wooden door (meranti wood) with size 80 x 220 cm*4.5cm for the bathrooms. Item includes a wooden frame with 4.5 cm thickness and width according to plastered wall thickness, trim/casing should be 8 cm from the side sand 10cm from the top, hard wood for exposed edge high quality, pattern and color is as directed by engineer; door stops, sanding, primer or base coat (varnish, stain or polish), three hangs, handles, locked, and all necessary parts needed to complete the works are	No.	3		\$0

	according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.				
5.3	<p><b><u>Aluminum window:</u></b></p> <p>supply and install sliding Aluminum windows for all windows, with 2 mm special section ( France or equivalent ). Item includes self drilling screws with 12 cm length and 12mm Diameter each 20 cm, fly screens, silicon sealant, supplying, workmanship, fixation, double glass 6mm each layer, handles, Italian wheels, and locked. Item includes all necessary works are needed such as brushes, rubber EPDM to complete the work according to drawings, specifications, conditions and directed instructions by the engineer or his representative,</p>	M <sup>2</sup>	38		\$0
5.4	<p><b>Anti-blast film to protect windows.</b>Supply and install SRF (Anti-Shatter Resistance Films) on all Glass Windows all floors. The film color is clear. The film shall have a nominal thickness 0.304 mm (12 mil), film material shall consist of an optically clear polyester film, with a durable acrylic abrasion resistant coating over the surface. The film color is clear, elongation to break 130% and tensile strength 172 Mpa. Item include all the requirement to finish this item according to the technical specifications, instruction of supervisor engineer. The contractor must submit a sample before implemented the work</p>	M <sup>2</sup>	38		\$0
<b>6</b>	<b>Metal and Security Work</b>				



6.1	<p><b>Supply and install Armored steel door.</b>  In square meter: Heavy duty Armored steel door (bullet proof).  Supply and installation of heavy duty security (bullet proof protection level) steel door total thickness not less than 5 cm with steel angles and frames of approved quality and thickness. It also includes brass joint, locks and handles, painting with anti-rust, and anti-humidity paint, painting two layers ( water proof ), and all finishing works according to drawings and technical specifications.  Blast-Resistant External Frame size 50cm *10 *6mm*2  - Blast-Resistant Internal Frame size 50mm * 100mm * 3 mm  - A Tube with size 50 mm *50 mm * 3 mm to distribute it each 40 cm horizontal and vertical.  - Armored Glass with 4cm thickness.  - Gears for the movement.  - Steel door full metal plate 8 mm thickness two sides (16 mm)  - Heavy Weight Hinges with Welded Knuckles 45 mm *15cm *4*2  -Hex Bolt on Concrete Anchor size D 20mm* 20 cm* 6 in each direction  - Flat-Head Concrete Anchor  -Manual lock inside 3 *400mm*30mm *2 in both side.  - mechanical and electrical locked (Kale or equivalent )  - electrical cable .  -Handles with pipe 1 in Dia  -Four side sealing strip smoke protection  Measurement method based on door opening only</p>	M <sup>2</sup>	8		\$0
6.2	<p><b>Door closer for 8 mm doors :</b>  Supply and install heavy duty automatic door closer that fixed on Armored Door type (union 8825, Yale 4400 or equivalent) . And all accessories to finish work as per specifications and manufacturer recommendations.</p>	No.	3		\$0
6.3	<p><b>Supply and install Emergency Exit Device .</b>  Supply and install an Emergency Exit Device / Single Leaf Panic Bar, 2 hrs. fire rated, Mortise Leaver Handle for Panic Bar with approved make</p>	No.	1		\$0

6.4	<p><b><u>Stairs Balustrades:</u></b> . Providing, Fabricating &amp; fixing 1.10m high MS railing balustrade with 2" dia pipe 4mm thickness. as railing with 2" MS pipe 4mm thickness horizontal members &amp; 2" dia MS pipe 4mm thickness, three steel pipes with Dia 1 in and 2 mm thickness. for balustrade etc., all inclusive cutting, welding, grouting to floor/masonry, grinding, wastages, labor. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	18		\$0
6.5	<p><b><u>Balcony Balustrades:</u></b> . Providing, Fabricating &amp; fixing 0.55m high, two horizontal steel pipes with 1.5 in x3mm, and steel pipes with Dia 1 in and 2 mm thickness, tube section with 12x 6cmx1.5 mm. for balustrade etc., all inclusive cutting, welding, grouting to floor/masonry, grinding, wastages, labor. The price includes Providing and applying one coat of approved zinc chromite primer and two coats of synthetic enamel paint or Nari pant final surface, specified and directed. The item includes fixing by steel rods with special adhesive materials, elbows, clips, stainless steel bolts, all required civil works and accessories to complete the work in accordance with Architect's detailed drawings, specifications and directed by UNDP Engineer.</p>	L.M.	13		\$0
6.6	<p><b><u>Frame catchers window:</u></b> Supply and Install frame catchers window from cable restraint systems D10 mm as show in detail. It should be installed every 20 cm between the cables lines and fixing by D16mm mechanical anchor into concrete lintel with minimum 150mm embedment length typical spacing 400mm (200mm at ends) and for the floor D16mm through bolt (estimated 450mm length) with typical spacing 400mm. Item includes hock with D10 mm and steel U 12 x 6x 8mm, 10mm diameter clip (no less than 3 per cable end), steel plate with 100 mm width and 10mm thickness, insulation the cable with plastic, block up the hole by silicon and inside the U section, cutting/drilling, painting for all steel section with water proof paint at least three layers and all necessary parts needed to complete the works are according to drawings, specifications, conditions and directed instructions by the Engineer or his representative.</p>	M <sup>2</sup>	80		\$0

6.7	<p><b>Hardening frames with plexiglass window</b></p> <p>supply and install proper frames with plexiglass (polycarbonate) with 10 mm thickness for all bathroom windows. Item includes Fixing by plate with 150mm and 8 mm thickness around the window, D16mm mechanical anchor into walls with minimum 100mm embedment length typical spacing 200mm, polishing, cutting the plexiglass if front of the leaf, cutting/drilling, make an opening for the suction fan, installation plastic around all plate edges, painting for all steel section with water proof paint at least three layers and all the necessary work to finish this item according to the technical specifications, instruction of supervisor engineer, and drawings.</p>	M <sup>2</sup>	6	\$0
6.8	<p>Anti-vision screen (4-meter height to cover the emergency staircase: Supply and install anti-vision screen as per drawings, and the work includes:- Net clear height with 4 meters- double Weatherproof Polyethylene Shade made of a UV stabilized high density polyethylene, shading rate 95%, Fire Rating according to ASTM E84, nominal fabric mass 435gsm, approximate thickness 1.8mm, tensile strength -warp 870N/50mm, elongation at break 112%, tensile strength -weft 1870N/50mm, wing tear-warp 172N, wing tear-weft 301N, bursting pressure 3600 Kpa, bursting force 2075 KN, flex cracking resistance 400,000+cycles. Thread Shall be 100% expanded PTFE fiber which carries a 10-year warranty that is high strength and low shrinkage, shall have a wide temperature and humidity range, Abrasion resistant and UV radiation immunity, shall be unaffected by non-hydrocarbon-based cleaning agents, acid rain, mildew, rot, chlorine, saltwater, and pollution, Lockstitch thread – 1200 Denier or equal. Chain stitch thread – 2400 Denier or equal. SEWING, on-site sewing of a fabric will not be accepted, all corners shall be reinforced with extra non-tear cloth and strap to distribute the load, the perimeters that contain the cables shall be double lock stitched. Supply and install steel two IPE 250x125x8mm section columns with 4m height, frame for the Weatherproof Polyethylene Shade is steel tube section 60*30*1.5 mm as outer frame, and steel tube section 60*30*1.25mm distributed vertical and horizontal each 1.5m, secondary beam with tube section steel section 8 * 4cm * 2mm to be distributed each 1.5 m along the column height, connections plate, beam on the top with IPE 120.- the polyethylene should be from inside and outside, double polyethylene should be warped around the external frame, and weaving belt at the edges of the frame.- Painting all steel elements with anti-rust, and anti-humidity paint, painting two layers (waterproof)</p>	M <sup>2</sup>	26.4	\$0

	wooden looks. The work includes welding, fixing the shade and all accessories and civil work to complete the item as per drawings, specifications, and directed by engineer. (Measurement method would be calculated based on cloth area only, not from the base)				
<b>7</b>	<b>SAFETY</b>				
7.1	<b>CO2 Fire Extinguishers.</b> Providing and fixing CO2 type fire extinguishers with steel cylinder with a discharge valve and conforming to IS:15683. Extinguishers shall be painted with rex enamel paint and fixed to wall with brackets capacity 6 Kg.	No.	3		\$0
7.2	<b>ABC Powder Fire Extinguisher.</b> Supplying, installing and commissioning of ABC Powder 6 Kg Fire Extinguisher containing Mono Ammonium Phosphate Powder 50, Stored Pressure Type, Pressure Gauge, fitted with discharge hose, wall mounting bracket etc., Discharge Time less than 15 Secs, Controllable discharge mechanism, Range minimum 4 Meters, applicable on Class A,B,C and electrically started Fire, A Rating- 8A, B Rating 34B, Can Construction : Deep drawn & Co2 Mig welded, Valve Construction : Forging & Machining, Internal Coating of Can : Epoxy Powder coating, External Coating of Can : Epoxy Polyester Powder coating, Sheet metal thickness : 1.60MM, ISI approved as per IS:15683.	No.	1		\$0
7.3	<b>EMERGENCY LIGHTING SYSTEM.</b> Supply install, test and commission complete LED emergency lighting to be operated where the primary power supply gets disconnected. It shall enable all occupants to leave the premises safely with 2x2.5+1X1.5 sq. mm PVC insulated multistrand copper conductor cable (Saudi cable or equivalent) in recessed 25mm dia PVC pipe, including all connections, suspension, clamps and all other accessories necessary to provide a complete fitting with all terminals. All electrical wiring must be hidden beyond the plastering layer; no external cables trucking should be used at all. The rate shall include cut the plastering by using a Disk Grinder Machine carefully, scratching the edges of existing plastering and provide plastering with reinstating of surrounding area which occasionally got any type of damage to the full satisfaction of UNDP Engineer. All according to drawings and specifications for the following:	NOTE			

7.3.1	Emergency Singed Lighting Fixture. Supply and install Self-contained emergency singed lighting fixture. Body of polycarbonate housing, flame retardant & self-extinguishing. Prismatic diffuser. Complete with converter / inverter and rechargeable, maintenance free sealed nickel cadmium batteries 3.6 v / 3ah. Rated duration 3 hrs. Using 1x8 w LED lamp. 220v/50hz(Philips or equivalent)	No.	3		\$0
7.4	Supply, install, and commissioning night Reflective Glow Signage & Boards. material: Photo luminescent material size: 300 mm X 200 MM. It will glow in dark in the event of pour failure. These tapes are immediately visible. Easily affixed on walls columns, stair ways etc. including Alucobond thickness of 4 mm. Rust proof, waterproof and chemically resistant finish, all letter and sign should be projected from the Alucobond plate surfaces, long-lasting service performance, according to drawings as follows:	noted			
7.4.1	Supply and Install Reflective Fire Extinguisher dimensions Height 200xlength 300x 3width	No.	4		\$0
7.4.2	Supply and Install Reflective Electrical panel dimensions Height 200xlength 300x 3width	No.	2		\$0
7.4.3	Supply and Install Reflective fire call point dimensions Height 200xlength 200x 3width	No.	3		\$0
7.4.4	Supply and Install Reflective please ware mask dimensions Height 200xlength 200x 3width	No.	3		\$0
7.4.4	path marking system for wall application with 35 mm width, Rigid PVC escape route signs to be installed at a maximum height of 400mm above floor level in all staircase.	L.M.	84		\$0
7.5	<b><u>First Aid kits.</u></b> Supply and install empty single leaf wall mounted First Aid kits (0.9x0.45x0.2) m manufactured from welded 1mm thick steel plate with three adjustable shelves and chrome handle and 2 point locking system. Anti-bacterial white powder coated finish is required. The box shall be able to maintain integrity for 30-minute fire resistance with all necessary accessories to complete the work.	No.	1		\$0
<b>8</b>	<b>Sanitary Works</b>				
8.1	<b>Supply and install Rain Drainage pipes.</b> Item includes UPVC pipes with 4-inch from the roof to ground level. Item includes fitting with all required fitting , fixing on the walls by bracket, fittings, pipe nipples, nuts, making a hole on the wall, all visible Pipes mounted on the external walls, connections, downspout, elbows, grouting, elbow at the ground level, and all the necessary work to finish this item	L.M.	45.0		\$0

	according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.				
8.2	<b>Main Sewerage UPVC Pipes with 4 in Dia ( main pipe) of the toilets</b> Supply, install, testing and commissioning of the UPVC (5.5mm Thickness) 4 inch waste water drainage to connect to the pipe under it, all visible Pipes mounted on the external walls. Item includes making a hole on the wall, pipe fittings, elbows, grouting, all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	L.M.	30.0		\$0
8.3	<b>Water supply Pipes:</b> Supply and install insulated water PP. Pipe supply pipes (0.75") with Aluminum foiled insulation (Saudi or equivalent) 16 bar pressure to connect between the main valve with tank. Item includes main valves for the bathrooms, air release valve, weld water supply pipe, insulation, fittings, pipe nipples, nuts, unions, brass fitting adapters as per specifications, drawings and supervisor engineer instructions.	L.M.	60.00		\$0
8.4	<b><u>stainless steel trap floor drain:</u></b> Supply, installation, testing and commission floor trap (15cmx15cm) complete with concrete protection . Item includes UPVC drainage pipe with 4 in, and accessories( pipes, couplings, covers, plates, p traps, and etc.) to connect floor drain to the external sanitation networks, set out the inclination, fitting , all civil works, and all the necessary work to finish this item according to the technical specifications, drawings, and instruction of supervisor engineer or his representative.	No.	4.00		\$0
8.5	<b>Commodes Toilet:</b> Supply, installation, testing and commission Commodes Toilet ( western closet) ( Italian, UK or equivalent first type ). floor mounted , white color, Porcelain, siphon jet water closet/toilet with an elongated bowl, seat with open front and checks hinges, and all necessary accessories such as 9 liter dual-flush cisterns, fittings, 13mm stop angle valves, fixable water supply hose, connecting water supply pipes using hot Polypropylene .75 in from the main valves, and UPVC sewerage pipe with 4 in to the main pipes outside and all civil works and requirements to finish this item according to drawings, specifications, and engineer's instructions.	No.	3		\$0

8.6	<b><u>Hand-held bidet sprayer.</u></b> Supply, install, testing and commissioning of brass hand held bidet spray shattaf with holder high quality (BOSSINI or equivalent) + hot & cold water valve mixer (NOBILI or equivalent) + hose sprayer jet tap douche kit including Inlets, quick shut-off valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply and install piping from the source.	No.	3		\$0
8.7	<b><u>Hand Wash Basin.</u></b> Supply and install hand wash basin oval shape White Reinforced (TOTO or equivalent) as per design drawings with trap outlet approved color according to design drawings and instructions of UNDP Engineer. The item includes all drainage piping to the nearest floor trap. Complete with fitting, drop pipe flexible connections and necessary water connection.	No.	6		\$0
8.8	<b><u>Hot and Cold Water Collectors/mixer.</u></b> Supply, install, connect, testing and commissioning of, hot and cold water collectors/mixer 35 cm height (MUNK or equivalent) 3/4" Inlets/ Outlets quick shut-off valves, record valves, nipples, nuts, unions, brass fitting adapters. The item includes all supply piping from the source all according to design drawings and instructions of UNDP Engineer.	No.	6		\$0
8.9	<b><u>Coat hook.</u></b> Supply and installing of wall mounted double towel coat hook stainless steel (TOTO or equivalent), polished and brushed stainless steel finish, resist daily scratches, corrosion and tarnishing, concealed screws design with all required according to drawings and instructions of Engineer.	No.	3		\$0
8.10	<b><u>Glass shelf.</u></b> Supply and installing of tempered glass shelf, bathroom shelf (TOTO or equivalent) with 50 cm long rectangular glass (8mm thick) wall mount, brushed nickel with all required hardware for installation according to drawings and instructions of Engineer.	No.	3		\$0
8.11	<b><u>Paper holder.</u></b> Supply and installing of paper holder surface mounted satin finish stainless steel (TOTO or equivalent). Disposal features a flip-up cover, secured to the container by a heavy duty stainless steel piano-hinge. Disposal secured to wall or toilet partition.	No.	3		\$0
8.12	<b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (180x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.	No.	3		\$0

8.13	<b><u>Mirror.</u></b> Supply and install of, high quality 6mm polished float glass mirror size (60x80) cm, framed in a one-piece, bright polished, finished edges and corners, 90° mitered corners stainless steel angels to fix mirrors. All as per design drawings and Engineer instructions.	No.	3		\$0
8.14	<b><u>Solar water heater.</u></b> Supply, install, test and commission complete of solar water heater with 0.25 m3 anti-corrosion stainless steel water tank with metal thickness at least 0.8mm.- Vacuum tube Heat absorption efficiency at least 95 %. With stainless steel frame. Provided with heat insulation to keep hot water temperature for at least 72 hour. 2 years warranty period. Cathodic protection of water tank through sacrificed magnesium bar or equivalent technology. - Proper tilt angle accommodate to the site conditions. Including all water pipes network to 3 bathrooms with high quality heat rated PVC pipes Sch 80 at least. The final install-locations will be determined with the end user.	No.	1		\$0
8.15	Supply and install plastic water tanks with 2000L capacity, 3 layers, made of polyethylene. Item includes electrical float, connection from the main underground tank to the roof, water supply pipes, tanks base, install water electrical pump with vertical head min.20 m, and valves and any other related accessories. The price includes all requirements to complete the work according to technical specifications and drawings	No.	1		\$0
8.16	<b><u>Marble Counter.</u></b> Supply and install high quality white marble slabs 0.6 m type "Carrara, Afyon or equivalent" with 3 cm thick for kitchen hand wash area counter as per tiling pattern and form on design drawings. The price includes providing and building projection wall 20 cm width from cement block 10 cm thick, RC slab with 10 cm with 5φ 10 . The marble shall to be glazed, polished finish, demi-bullnose edges and free cracks and clay with all necessary work such as white cement mortar, pointing, fitting, skirting and all accessories. All as per design drawings and Engineer instructions.	M <sup>2</sup>	5		\$0
<b>9</b>	<b>Electrical Works</b>				
<b>9.1</b>	<b>LIGHTING SYSTEM:</b>				
<b>9.1.1</b>	<b>A- LIGHTING POINT:</b>				



9.1.1.1	Installation, connection, inspection, testing and operation of One way and/or two ways lighting points with 3x2.5 sq. mm, where the price includes 25mm PVC pipes, boxes and copper wires insulated with, as well as switches (One way, two way, Dimer..etc....)as per drawings for electrical circuits and the price includes all what This item is required from the wiring work between the lighting point and the electrical distribution panels with all the necessary so that the point becomes ready to work, according to the specifications and drawings and according to the instructions of the supervising engineer.	No.	72		0.0
<b>9.1.2</b>	<b>B- LIGHTING FIXTURES:</b>				
	Supply install, test, and commission complete LED lighting. lamp Luminous Flux shall be as shown below, input voltage 220V, Operation Temperature shall be -20°C to 50°C. Working Lifetime shall be at least 30000 h, UGR≤19, color rendering index CRI≥90, Warranty shall be 2 Years, and be certified from CE, RoHS, SASO, UL. Temperature rise not greater than 20 degrees centigrade. The price include all connections, point extension, suspension, clamps, and all other accessories necessary to provide a complete fitting with all terminals as shown on the below specifications, and as per the instruction of the site engineer. All old replaced materials shall be delivered to the store of the hospital.	NOTE			
9.1.2.1	Internal Lighting luminaire and fixture type 60x60 surface LED light panel, 36-40W power, Lamp Luminous Efficiency shall be at least (90lm/w). and CCT not less than 6500K	Pcs	41		0.0
9.1.2.4	Internal Lighting luminaire and fixture: recessed ceiling 2X18 LED tube 1200mm with cover and all related accessories and CCT not less than 6500	Pcs	13		0.0
9.1.2.4	Internal Lighting luminaire and fixture: recessed ceiling down light panel with a power of not less than 12w, with 960 lumens and CCT not less than 6500 with IP rating not less than 44.	Pcs	6		0.0
9.1.2.5	Surface wall mounted mirror lighting luminaire with LED lamp 1X8W - water proof-IP44.	Pcs	6		0.0
9.1.2.8	Emergency exit sign double sided glass Ceiling Type – Exit Sign Luminaire (8x1) led, With 3 HR Duration Built In Battery Feed From Emergency Branch Circuit.	Pcs	2		0.0
9.1.2.9	Emergency exit sign one sided glass wall Type – Exit Sign Luminaire (8x1) LED, With 3 HR Duration Built In Battery Feed From Emergency Branch Circuit.	Pcs	4		0.0
<b>9.2</b>	<b>SOCKETS</b>				

	Supply, install, test and commission a complete (220v, 50 Hz) socket outlet according to drawings of power system plan, including (3x4) sq.mm, insulated multistrand copper conductor cable, in recessed 25mm dia PVC pipe, including all conduits, boxes, layout the pipes before the concreting the ceiling, drilling cutting in the walls.. and all related works and accessories to complete the items in professional way. Socket outlets and all connections between the appropriate distribution boards and the socket outlet for the following:				
9.2.1	13A, single socket earthed, shuttered, switched outlet (British Type), 3pin, surface mounted.	No.	34		0.0
9.2.2	13A, single socket earthed, shuttered, switched outlet (British Type), 3pin, surface mounted IP44 or higher.	No.	6		0.0
9.2.3	13A, duplex socket earthed, shuttered, switched outlet (multistranded Type), 3pin, surface mounted.	No.	31		0.0
9.2.4	16A single socket earthed, shuttered, switched outlet 3pin, surface mounted.	No.	2		0.0
9.2.4	32A double pole socket earthed, shuttered, switched with outlet 3pin, surface mounted.	No.	3		0.0
<b>9.3</b>	<b>DISTRIBUTION BOARD</b>				
	Supply, install, test and commission final distribution boards 3phase 400/230 V,4wires (Schneider, Legrand, Hager or equivalent) , complete with circuit breaker on incoming supply connection. The distribution boards shall be of metal-clad pattern complete with all circuit breakers, casing, busbar, protection equipment having sufficient connections for all circuit breakers, all in according with requirements of the specifications, drawings and codes of practice for the following:				
9.3.1	TF-DB (Main breaker 100A MCCB 4P 100mA, 32ways,TPN 400V,50HZ,(with MCB branch breakers 5x6A 1P, 6x16A, 12x20, 13x25A)	No.	1		0.0
9.3.2	TF-UDB (Main breaker 40A RCBO 4P 100mA, 18ways,TPN 400V,50HZ,(with MCB branch breakers 8x6A 1P, 10x16A)	No.	1		0.0
<b>9.4</b>	<b>POWER CABLES:</b>				
	Supply, install, test and commission 0.6/1Kv.XLPE/PVC/CU/4C, multi-core copper cables (Saudi cable or equivalent) including all necessary cleats, supports, brackets, glands, cable terminals, ducts, pipes, Boxes, ...etc. All of which shall be according to the specifications, drawings. Codes of practice and highest prevailing engineering standards, for the following:				--
9.4.1	4C x 10 mm <sup>2</sup> XLPE/PVC/CU + E = 10 mm <sup>2</sup>	L.M.	100		0.0

9.4.2	4C x 25 mm <sup>2</sup> XLPE/PVC/CU + E = 16 mm <sup>2</sup>	L.M.	100		0.0
<b>9.5</b>	<b>FANS:</b>				
9.5.1	Supplying, Installation, testing and commissioning window mounted exhaust fan with shutter for bathrooms size 6 inch not less than 80 CFM,100% copper motor.(KDK,INFINAIR or equivalent, cutting glass, seal rubber, silicon, all pipes to hide the cables, and all other accessories necessary to provide a complete fitting with all terminals as shown on the drawings and specifications and instructions of the supervising engineer.	No.	3		0
<b>10</b>	<b>HIGH WALL AIR CONDITINERS:</b>				
10.1	Supply, install, test and commission complete of cooling /heating high wall air conditioning , Inverter DC"8 poles compressor technology" ,(220V-1Phase-50H),refrigrant to be of environment friendly (R410A). item includes installation of anti-vibration rubber under the outdoor unit, 99.9% pure copper pipes ( Cu-DHP) according to ISO 1337 or UNI EN 12735-1),Thermostat, pipe insulation( polyethylene foam) closed cell, thickness 6 mm and inner diameter of insulation should fit the copper pipe diameter .pipes and insulations should wrap with white color non adhesive and adhesive PVC tape ,wires between the units turnkey as required and hangers should be installed every 1.5 meter ,PVC pipes for drainage and connect to the nearest drainage point fixing indoor unit on the ceiling, make an opening on the wall to connect the outdoor unite with the indoor unit .and include the electrical cable 3x4mm <sup>2</sup> and all related work and material to supply power from the distribution board to the AC. all the requirement to finish this item all accessories complete as required per drawings and specifications.	Note.			
10.1.1	IWU-1.5 TR	NO.	10		0.0
<b>Total</b>					<b>\$0.00</b>

## BOQs for additional/fourth Floor on top of the Operation's Building

NO	DESCRIPTION	TOTAL COST in USD
DEV. 01	1- Demolition and Preparation Work	--
DEV. 02	2- Concrete Work	--

DEV. 03	3- Cement Block Wall and Cladding Works	--
DEV. 04	4- Tiles Work	--
DEV. 05	5- Aluminum & Wooden Works	--
DEV. 06	6- Metal and Security Work	--
DEV. 07	7- Safety Work	--
DEV. 08	8- Sanitation Work	--
DEV. 09	9- Electrical Work	--
DEV. 10	10- HIGH WALL AIR CONDITINERS	--
TOTAL		--

Name of Bidder: \_\_\_\_\_  
Authorised signature: \_\_\_\_\_  
Name of authorised signatory: \_\_\_\_\_  
Functional Title: \_\_\_\_\_

**FORM G: FORM OF BID SECURITY**

**Bid Security must be issued using the official letterhead of the Issuing Bank.  
Except for indicated fields, no changes may be made on this template.**

---

To: UNDP  
*[Insert contact information as provided in Data Sheet]*

WHEREAS [Name and address of Bidder] (hereinafter called "the Bidder") has submitted a Bid to UNDP dated [Click here to enter a date.](#) to execute goods and/or services [Insert Title of Goods and/or Services] (hereinafter called "the Bid"):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

- a) Fails to sign the Contract after UNDP has awarded it;
- b) Withdraws its Bid after the date of the opening of the Bids;
- c) Fails to comply with UNDP's variation of requirement, as per ITB instructions; or
- d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of *[amount of guarantee] [in words and numbers]*, such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of *[amount of guarantee as aforesaid]* without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid up to 30 days after the final date of validity of bids.

**SIGNATURE AND SEAL OF THE GUARANTOR BANK**

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

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

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

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

Name of Bank \_\_\_\_\_

Address \_\_\_\_\_

*[Stamp with official stamp of the Bank]*

**FORM H: SITE INSPECTION FORM**

***(To be written in your Company letterhead paper duly signed and stamped)***

---

**To:** UNDP

**Subject:** INSPECTION OF SITE

**Bid Ref:** ITB-YEM-0096-2022

**Project:** Civil works for Construction of Additional floors on top of Operations and RCO buildings in UNDP Compound Sana'a, Yemen

**Company:** \_\_\_\_\_

*It is hereby to state clearly that we have inspected the sites under the above-mentioned project for which we have submitted our offer.*

*We declare to have inspected and examined the site and its surroundings and to have satisfied ourselves before submitting our Offer as to all matters relative to the form and nature of the Site, the quantities and nature of the work and materials necessary for the completion of the services, the means of access to the Site, and in general to have ourselves obtained all necessary information as to risk contingencies, climatic, hydrological and natural conditions and other circumstances which may influence or affect our Offer, and no claims will be entertained in this connection against the UNDP.*

**Company's representative:**

**Capacity:**

**Signature:**

**Company Stamp**

**ATTACHMENTS:**

**1.BOQ**

**2.Drawings**

**3. *List of equipment to be provided by the vendor***