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INVITATION TO BID

Replacement of the 4th Unit Economizer Coils at Banias Power Plant

ITB No.: **UNDP-SYR-ITB-094-18**

Country: Syrian Arab Republic

Issued on: 27 September 2018

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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

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 Hanan.al-ali@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



Name: Hanan Al Ali
Title: Procurement Associate
Date: **September 24, 2018**

approved by



Name: Mirvat Hammoud
Title: Head of Procurement Team
Date: **September 24, 2018**

Section 2. Instruction to Bidders

| GENERAL PROVISIONS | |
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| 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 https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</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 (www.ungm.org). 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 http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_andinvestigation.html#anti</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 http://www.un.org/depts/ptd/pdf/conduct_english.pdf</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> |

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| | <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> |
| 4. Conflict of Interests | <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"> 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; 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 c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP. <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"> 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 b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices. <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. PREPARATION OF BIDS | |
| 5. General Considerations | <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> |

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| 6. Cost of Preparation of Bid | 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. |
| 7. Language | 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. |
| 8. Documents Comprising the Bid | 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"> a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid. |
| 9. Documents Establishing the Eligibility and Qualifications of the Bidder | 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. |
| 10. Technical Bid Format and Content | 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. |
| 11. Price Schedule | 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. |
| 12. Bid Security | 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. |

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| | <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"> a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or; b) In the event the successful Bidder fails: <ul style="list-style-type: none"> i. to sign the Contract after UNDP has issued an award; or 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. |
| 13. Currencies | <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"> 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 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. |
| 14. Joint Venture, Consortium or Association | <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> |

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| | <p>should clearly differentiate between:</p> <ul style="list-style-type: none"> a) Those that were undertaken together by the JV, Consortium or Association; and b) Those that were undertaken by the individual entities of the JV, Consortium or Association. <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> |
| 15. Only One Bid | <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"> a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or c) they have the same legal representative for purposes of this ITB; or 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; 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. |
| 16. Bid Validity Period | <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> |
| 17. Extension of Bid Validity Period | <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> |

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| 18. Clarification of Bid (from the Bidders) | <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> |
| 19. Amendment of Bids | <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> |
| 20. Alternative Bids | <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> |
| 21. Pre-Bid Conference | <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

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| 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> <ul style="list-style-type: none"> i. Bear the name of the Bidder; ii. Be addressed to UNDP as specified in the BDS; and iii. Bear a warning not to open before the time and date for Bid opening as specified in the BDS. <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> <p>a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS;</p> <p>b) 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.</p> <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: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notice/resources/</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> |

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| | submission of Bids. |
| 24. Withdrawal, Substitution, and Modification of Bids | <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> |
| 25. Bid Opening | <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> |
| D. EVALUATION OF BIDS | |
| 26. Confidentiality | <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> |
| 27. Evaluation of Bids | <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"> Preliminary Examination including Eligibility Arithmetical check and ranking of bidders who passed preliminary examination by price. Qualification assessment (if pre-qualification was not done) |

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| | <ul style="list-style-type: none"> a) Evaluation of Technical Bids b) Evaluation of prices <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> |
| 28. Preliminary Examination | <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> |
| 29. Evaluation of Eligibility and Qualification | <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"> 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; b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments, 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; d) They are able to comply fully with the UNDP General Terms and Conditions of Contract; e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and f) They have a record of timely and satisfactory performance with their clients. |
| 30. Evaluation of Technical Bid and prices | <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> |
| 31. Due diligence | <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"> a) Verification of accuracy, correctness and authenticity of information provided by the Bidder; 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; 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; d) Inquiry and reference checking with previous clients on the performance on on-going or completed contracts, including physical inspections of previous |

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| | <p>works, as deemed necessary;</p> <p>e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder;</p> <p>f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.</p> |
| 32. Clarification of Bids | <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> |
| 33. Responsiveness of Bid | <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> |
| 34. Nonconformities, Reparable Errors and Omissions | <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> <p>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;</p> <p>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</p> <p>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.</p> <p>34.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall</p> |

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| | be rejected. |
| E. AWARD OF CONTRACT | |
| 35. Right to Accept, Reject, Any or All Bids | 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. |
| 36. Award Criteria | 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. |
| 37. Debriefing | 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. |
| 38. Right to Vary Requirements at the Time of Award | 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. |
| 39. Contract Signature | 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. |
| 40. Contract Type and General Terms and Conditions | 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 http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html |
| 41. Performance Security | 41.1 A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default 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. |
| 42. Bank Guarantee for Advanced Payment | 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 |

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| | 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&action=default |
| 43. Liquidated Damages | <p>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.</p> |
| 44. Payment Provisions | <p>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.</p> |
| 45. Vendor Protest | <p>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:</p> <p>http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html</p> |
| 46. Other Provisions | <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</p> <p>http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&referer</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) | Not Allowed |
| 3 | 20 | Alternative Bids | Shall not be considered |
| 4 | 21 | Pre-Bid conference (Site-visit) | <p>Will be Conducted</p> <p>Date: October 8, 2018 10:00 AM</p> <p>The UNDP focal point for the arrangement is: Focal Point: Mr. Mohammad Dweidari Mobile: 0923338912</p> <p>The site visit is a MANDATORY requirement. Bidders who did not attend the site visit are not eligible to submit a bid.</p> |
| 5 | 16 | Bid Validity Period | 90 days |
| 6 | 13 | Bid Security | Required in the amount of USD 3,000 |
| 7 | 41 | Advanced Payment upon signing of contract | Not Allowed |

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| 8 | 42 | Liquidated Damages | Will be imposed as follows: under the following conditions: Percentage of contract price per day of delay:0.5% Max. no. of days of delay: 20 W/D |
| 9 | 40 | Performance Security | Required in the Amount of: 10 % of contract value |
| 10 | 12 | Currency of Bid | United States Dollar However, for local supplier's payments will be in Syrian Pounds at the prevailing UN exchange rate at the date of the invoice <i>Reference date for determining UN Operational Exchange Rate: the date of deadline of Bid Submission</i> |
| 11 | 31 | Deadline for submitting requests for clarifications/ questions | 5 days before the submission deadline |
| 12 | 31 | Contact Details for submitting clarifications/questions | Focal Person in UNDP: Hanan Al Ali Address: Mezzeh, West Villas, Ghazzawi Street, No.8 E-mail address: hanan.al-ali@undp.org |
| 13 | 18, 19 and 21 | Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries | Direct communication to prospective Proposers by email and Posting on the website: - www.facebook.com/UNDP.Syria - http://www.sy.undp.org/content/syria/en/home/operations/procurement/ - http://procurement-notice.undp.org/ - https://www.ungm.org/ |
| 14 | 23 | Deadline for Submission | Date and Time: October 16, 2018 1:00 PM (Syria time (GMT+3hrs)) |
| 14 | 22 | Allowable Manner of Submitting Bids | <input checked="" type="checkbox"/> Courier/Hand Delivery <input checked="" type="checkbox"/> Submission by email |

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| 15 | 22 | Bid Submission Address | <p><input checked="" type="checkbox"/> <u>By Courier / Hand Delivery:</u> Mezzeh, West Villas Ghazzawi Street #8 Damascus, Syrian Arab Republic Tel: +963 11 612 9811 Att. Hanan Al Ali, Procurement Associate</p> <p><input checked="" type="checkbox"/> <u>By Electronic submission:</u> Syria.bids@undp.org with subject: <u>UNDP-SYR-ITB-094-18 (Replacement of the 4th Unit Economizer Coils at Baniyas Power Plant)</u></p> |
| 16 | 22 | Electronic submission (email or eTendering) requirements | <p><input checked="" type="checkbox"/> Official Address for e-submission: Syria.bids@undp.org</p> <p><input checked="" type="checkbox"/> Format: PDF files only</p> <p><input checked="" type="checkbox"/> Max. File Size per transmission: [5 MB]</p> <p><input checked="" type="checkbox"/> Max. No. of transmission: [4]</p> <p><input checked="" type="checkbox"/> Mandatory subject of email: <u>UNDP-SYR-ITB-094-18 (Replacement of the 4th Unit Economizer Coils at Baniyas Power Plant)</u></p> <p><input checked="" type="checkbox"/> Time Zone to be Recognized: [Damascus, Syria]</p> <ul style="list-style-type: none"> Documents which are required in original (e.g. Bid Security) should be sent to the below address with a PDF copy submitted as part of the electronic submission: UNDP Syria Country Office, Procurement Unit, Mazzeah West Villas, Damascus, Syria <p>OR</p> <p>UNDP RBAS Regional Center in Jordan, attention Ms. Hanan Abu Baker, Procurement Analyst, at the following address: Abu-Baker Seraj Al-Din ST. Building # 11 – Abdoun Al Shamali</p> |
| 17 | 25 | Date, time and venue for the opening of bid | <p>Date and Time: October 8, 2018 3:00 PM</p> <p>Venue: UNDP Syria Main Office.</p> |
| 18 | 27, 36 | Evaluation Method for the Award of Contract | Lowest priced technically responsive, eligible and qualified bid. |
| 19 | | Expected date for commencement of Contract | <i>Upon contract signature</i> |

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| 20 | | Maximum expected duration of contract | 3 months from contract signature |
| 21 | 35 | UNDP will award the contract to: | One Proposer Only |
| 22 | 39 | Type of Contract | Contract for Goods and/or Services to UNDP http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html |
| 23 | 39 | UNDP Contract Terms and Conditions that will apply | UNDP General Terms and Conditions for Contracts http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html |
| 24 | | Other Information Related to the ITB | N/A |

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
- Bid Security (if required) submitted as per ITB requirements with compliant validity period

3. 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 |
|--|---|---------------------------------|
| ELIGIBILITY | | |
| Legal Status | Vendor is a legally registered entity. | Form B: Bidder Information Form |
| Eligibility | 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 |
| Conflict of Interest | No conflicts of interest in accordance with ITB clause 4. | Form A: Bid Submission Form |
| Bankruptcy | 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 |
| Certificates and Licenses | <input checked="" type="checkbox"/> Certificate of Registration of the business, including Articles of Incorporation, or equivalent document if Bidder is not a corporation. | Form B: Bidder Information Form |
| QUALIFICATION | | |
| History of Non-Performing Contracts¹ | Non-performance of a contract did not occur as a result of contractor default for the last 3 years. | Form D: Qualification Form |

¹ 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

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| Litigation History | No consistent history of court/arbitral award decisions against the Bidder for the last 3 years. | Form D: Qualification Form |
| Previous Experience | Minimum 5 years of relevant experience. | Form D: Qualification Form |
| | Minimum 3 contracts of similar value, nature and complexity implemented by the company. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement).</i> | Form D: Qualification Form |
| Financial Standing | Minimum average annual turnover of twice the proposed bid value for any of the last 3 years. <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 |
| Technical Evaluation | The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document. | Form E: Technical Bid Form |
| Financial Evaluation | 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, training, special packaging, etc., where applicable) Comparison with budget/internal estimates. | Form F: Price Schedule Form |

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.

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

دفتر شروط فنية لاستبدال

وشائع الموفر للمجموعة الرابعة في محطة بانياس الكهربائية

الغاية من دفتر الشروط الفنية:

- العمل على قص وترحيل الوشائع القديمة لموفر المجموعة الرابعة ما بين المستوى FL20000 والمستوى FL23250 مع قص الصاج لخرج مجرى الغازات من الموفر - وصلات التمدد التي تعيق العمل - المماشي - الدرايزون - الأنابيب - جسور المرجل الغير رئيسية (أعصاب حاملة) وكل ما يعيق أعمال ترحيل الوشائع القديمة والتجهيز لتركيب الوشائع الجديدة.

- العمل على تركيب السقالات والحوامل والروافع والجسور لترحيل الوشائع القديمة وتركيب الوشائع الجديدة مع مراعاة التركيب النظامي لتركيب الوشائع الموردة بشكل حزم من (5) أنابيب أو (6) أنابيب مع الإكسسوارات المركبة على أنابيب المرجل وحوامل التعليق الجديدة والتي يراد استبدالها بالإضافة إلى حوامل النافخ الدوار للموفر رقم (7) و(8) جهة (A) (B) , وكافة الإكسسوارات الموردة التي يتم فكها أثناء أعمال القص والترحيل والمحافظة وترقيم المواد الغير موردة والتي مطلوب إعادة تركيبها ثانية. مع العلم بأنه يتوفر كافة المخططات الضرورية لتنفيذ العمل في الملحق رقم 1- ويجب على المتعهد زيارة الموقع للاطلاع والكشف على المخططات وتقديم الطريقة المناسبة لأعمال الترحيل والتركيب.

- تأمين العدد والآليات اللازمة لتنفيذ الأعمال المطلوبة وتحديد كمياتها ومواصفاتها.

وصف الأعمال:

- العمل على فك وقص مجرى الغازات على خرج الموفر وقص الأنابيب والجسور الحاملة - والمماشي والدرايزون - صاج العزل.

- تركيب الجسور الحاملة للوشائع المراد ترحيلها وإعادة تركيب الوشائع الجديدة مع السقالات وآليات الرفع والمساعدة وفق الطريقة المقدمة من قبل شركة MITSUBISHI أو تقديم طريقة أخرى مناسبة بعد زيارة الموقع وبعد الموافقة من شركة MITSUBISHI بالطريقة البديلة ان وجدت.

- العمل على قص وترحيل الوشائع القديمة إلى مكان تحدده الشركة ضمن موقع الشركة وذلك وفق المواد المورده من المستوى FL20330 حتى المستوى FL23150 وفق المخطط (1) REV B2-09203

11000-0101 A REV (0)

- العمل على تركيب الوشائع الجديدة وتركيب حوامل التثبيت والحوامل للأنابيب مع مراعاة التسلسل والمخططات التفصيلية المقدمة من قبل شركة MITSUBISHI .

- الأعمال المطلوبة والغير موردة بمواد شركة MITSUBISHI تقدم الشركة أنابيب قطر mm (45×THK3.6) بأطوال مختلفة من أجل العمل على قص وثنى الأنابيب للحامها على المجمع السفلي للموفر من المستوى FL20000 حتى المستوى FL20330 يتم قص الأنابيب القديمة المركبة على المجمع والعمل على تنظيف مقر الأنابيب بالطريقة المناسبة لإزالة بقايا الأنابيب الملحومة سابقاً ولحامها بطريقة SW بعد إجراء القص والثنى المناسب عدد الأنابيب المراد قصها ولحامها مع المجمع السفلي (116) أنبوب بطول (600) مم . إجراء اختبار للحام الأنابيب مع المجمع بطريقة UT أو MT أو الطريقة المناسبة المقدمة من قبل العارض .

- إجراء اللحام للأنابيب التي تم تبديلها وفق المخطط وتركيبها مع الوشائع القديمة عند المستوى FL20330 أو FL20360

باستخدام طريقة اللحام المناسبة التي سيقدمها العارض .

إجراء اختبار اللحام بطريقة RT Gama RAY أو XRAY وفق الطريقة التي يقدمها العارض والمناسبة لهذه الأعمال .

- لحام الوشائع المركبة عند المستوى FL23250 المزودة بنقاصة من 45×thk3.6 mm إلى 31.8×thk3mm يتم إجراء اختبار للحامات بطريقة RT

Gama RAY أو XRAY وفق الطريقة التي يقدمها العارض والمناسبة لهذه الأعمال.

الأعمال الإضافية المطلوبة :

- بالنسبة للوشائع التي تم عزلها الكشف على أنابيب حوامل أنابيب الموفر Q31.8th3.6m والتي تم قصها عند المستوى FL32250 والتأكد من جاهزيتها وإعادة لحامها وإجراء اختبار اللحام المناسبة RT عدد (80) جنطة مع إضافة وصلة مناسبة لأنابيب SA210-C Q31.8YTHK 3.6 mm .

- بعد انتهاء أعمال التركيب للوشائع والحوامل وحوامل النافحات وموجهات الغاز وصفائح مخمدة الاهتزاز وذلك وفق المخططات المقدمة من شركة MITSUBISHI .

- يتم إعادة ماتم فكه سابقاً إلى وضعه الأصلي والمناسب واستبدال كافة القطع المتضررة والتي تقدمها الشركة كصاج العزل والعزل الحراري وصاج مجرى الغازات في حال عدم إمكانية تركيب القديم وعدم جاهزيته .

- يقدم المتعهد كافة العدد والآليات والمواد المستهلكة اللازمة لتنفيذ العمل.

- قبل إنهاء الأعمال يتم قص درين مجمع الموفر وغسيله والتأكد من نظافته وإعادة لحامه.

- تقدم الشركة المواد اللازمة لتنفيذ العمل أنابيب لزوم الثني واللحام لمجمع الموفر السفلي-SA Q45×THK4mm 210-A صاج العزل - العزل الحراري - صاج مجرى الغازات في حال الحاجة لاستبداله.

- مصدر تغذية كهربائية مناسب لتنفيذ العمل عن المستوى FL0.00

مخطط سير أعمال استبدال وشائع الموفر بشكل عام

عموميات:

تغطي هذه الوثيقة إجراءات التركيب ، وتحضير التجهيزات / العدد ومواصفات مواد التركيب لأعمال الاستبدال الجزئي لموفر المرجل.

مخطط سير مراحل العمل:

(1) المرحلة الأولى:

1-1 أعمال تحضيرية (مخططات ووثائق ومخططات مقطعية- تجهيز معدات النقل والروافع- التنسيق مع عناصر الأجهزة والتحكم لفك جميع التجهيزات ذات الصلة - تنظيم برنامج العمل - تحضير مجموعة القوى العاملة - تحضير لوائح بالعدد والمواد المستهلكة اللازمة لإنجاز العمل - حساب الطاقة الكهربائية اللازمة لهذا العمل المؤقت - فتح جميع فتحات الزيارة للمرجل من أجل تأمين التبريد اللازم).

1-2 تركيب منصة مؤقتة ومعدات لنقل المواد (المفكوكة والجديدة) - حتى المستوى + 27360 (في منطقة الجهة الخلفية). فصل المرجل.

فتح فتحات الزيارة.

(2) المرحلة الثانية:

2-1) تركيب السقالات المؤقتة لنزع الغلاف الخارجي، العزل الحراري، باك ستي (مقعد المرحل)، الأذرع وألواح زوايا الربط (السقالات يجب أن تكون آمنة للعناصر في منطقة العمل وأن تكون جميع مكوناتها مختبرة بشكل مسبق للتأكد من سلامتها - قبل البدء بالعمل يجب التحقق من سلامة تلك السقالات وتعليمها بأشرطة خضراء اللون).

2-2) نزع الغلاف الخارجي، العزل الحراري، باك ستي وألواح زوايا الربط (التحديد والتحقق من ذلك وفق المخططات النهائية قبل البدء بأعمال الإزالة - تعليم المواد بأرقام محددة جهة يمينية / يسارية قبل البدء بالعمل بهدف الإستخدام أثناء إعادة التركيب - يجب وضع المواد المزالة في الطابق الأرضي وعدم تجميعها حول منطقة العمل لأسباب تتعلق بالسلامة للعمال).

المقصود بالمصطلح SCW الوارد أدناه هو: Site cut welding / القص واللحام في الموقع.

2-3) تعليم وقص SCW لوح الجدار الخلفي من أجل تأمين معبر لتركيب المواد (تحدد بشكل مباشر الإرتفاع والعرض الصحيحين وفق المخططات النهائية مع التحقق من الأبعاد عدة مرات / مرتين على الأقل/ للدقة - قص أنابيب الجدار الخلفي بواسطة المنشار أوصاروخ هوائي بهدف القص الناعم والتنظيف - إغلاق جميع نهايات الأنابيب المقصوفة بغطاء بلاستيكي مناسب بهدف منع أي مواد غريبة من الدخول في الأنابيب - أثناء شفرة الأنابيب إستخدام الفوم والفلاتر المناسبة داخل الأنبوب بهدف منع أي مواد غريبة من الدخول في الأنابيب).

2-4) الإزالة المؤقتة لجميع الأنابيب، الدرابزونات وغيرها من التجهيزات التي تتداخل خلال أعمال التركيب (تعليم جميع البواري والدرابزونات بأرقام محددة لأجل أعمال إعادة التركيب - إجراء القص المناسب للتجهيزات المحددة - إغلاق جميع فتحات البواري بالشكل المناسب لمنع دخول أية مواد غريبة).

البند الرئيسية:

- 1- إستبدال الجزء السفلي من الموفر.
- 1-أ) نزع وإعادة تركيب مقعد الجدار الخلفي SCW
- 1-ب) نزع وإعادة تركيب الجدار الخلفي SCW متضمناً ألواح الجدران.
- 1-ج) نزع وإعادة تركيب البيمات والأذرع للمقعد.
- 1-د) نزع وإعادة تركيب العزل الحراري والغلاف الخارجي.

(3) المرحلة الثالثة:

إستبدال حزم الأنابيب السفلية للموفر وتشمل مايلي:

3-1) تركيب سقالات مؤقتة داخل قمع الموفر (تجهيز السقالات المناسبة داخل قمع الموفر لإستخدامها في إستبدال حزم الأنابيب السفلية على مدخل الموفر- السقالات يجب أن تكون آمنة للعناصر في منطقة العمل، جميع مكوناتها مختبرة بشكل مسبق، تركيب من قبل أخصائيين في ذلك وأن تختبر بعد التركيب للتأكد من سلامة الأعمال وقبل البدء بالعمل يجب التحقق من سلامة تلك السقالات وتعليمها بأشرطة خضراء اللون).

3-2) تركيب حزم (بيمات) مؤقتة وعربة رفع بتروس (تركيب البيمات والروافع في منطقة حزم الأنابيب العلوية للموفر- التحقق من التثبيت الجيد لتلك البيمات والروافع - يجب إختبار البيمات والروافع قبل التركيب للتحقق من سلامتها).

3-3) تعليم وقص لوح الأنابيب السفلية للموفر (تحدد بالضبط وبشكل مباشر على أنابيب الموفر السفلية وفق المخططات النهائية مع التحقق من الأبعاد عدة مرات / مرتين على الأقل/ للدقة - قص الأنابيب بواسطة المنشار أوصاروخ هوائي

بهدف القص الناعم والنظيف- إغلاق جميع نهايات الأنابيب المقصوصة بغطاء بلاستيكي مناسب بهدف منع أي مواد غريبة من الدخول في الأنابيب).

3-4) نزع ألواح ربط دعامات الموفر (يجب البدء بنزع ألواح ربط دعامات حزم أنابيب الموفر السفلية بعد الإنتهاء من قص الأنابيب - التحقق من أن جميع الروافع المرتبطة بحزم الأنابيب مثبتة بشكل جيد قبل البدء بنزع ألواح ربط الدعامات - شحذ نقاط اللحام بشكل ناعم من أحد أطراف الوتد وبعد إتمام عملية الشحذ الجيد ضبط مستوى حزم أنابيب الموفر السفلية والتأكد من أن الوتد حر للسحب - نزع الوتد وهكذا باستمرار مع لوح دعم حزم أنابيب الموفر السفلية وتأكد من أن الحزم معلقة بأمان في الروافع).

3-5) نقل حزمة أنابيب الموفر القديمة (المراد إستبدالها) - (بعد نقل حزم أنابيب الموفر السفلية إلى الروافع يتم التحريك تدريجياً باتجاه فتحة العبور إلى الجدار الخلفي SCW - بعد عبور حزم أنابيب الموفر السفلية من فتحة العبور يجب نقلها إلى الرافعة الخارجية المخصصة لذلك لوضعها في منطقة آمنة خارج المرجل).

3-6) نقل حزم أنابيب الموفر الجديدة (المراد تركيبها) - (نقل حزم أنابيب الموفر السفلية الجديدة بالترتيب الدوري لها. وإتباع رقم التسلسل وفقاً للرسم وتوضع على كل المواقع المقابلة - إستخدام الرافعة الخارجية المخصصة لرفع حزم الأنابيب الجديدة ووضعها في أعلى المنصة المؤقتة - الروافع ذات العربات والروافع ذات السلاسل ستقوم بإستلام الوشيعات وتحريكها إلى منطقة الموفر من خلال فتحة العبور للجدار الخلفي SCW - يجب أخذ الحذر من عطب نهايات الأنابيب التي يجب أن تكون مغطاة في نهاياتها بغطاء مناسب).

3-7) تركيب ولحام ألواح ربط دعامات الموفر (الأوتاد والرنديلات) - (تركيب ألواح ربط الدعامات بعد رفع الوشائع الجديدة إلى مكانها ومن ثم يتم إدخال الوتد والرنديلة، تأكد من أن لحام الرنديلة على الوتد المدرج - قبل تحرير الوشيعات (الحمولة) يجب التأكد من تركيب لوح ربط الدعامات عندها يتم إجراء اللحام الكامل للرنديلة والوتد المدرج - إدخال بافل الإهتزاز في كل مكان وفق المخططات النهائية).

3-8) تجهيز fitting- up / لحام وتصوير حزمة الأنابيب الجديدة (تجهيز ولحام الوشائع السفلية الجديدة للموفر مع لوح الأنابيب العلوية للموفر القائم / الجزء المتبقي الذي لم يتم قصه / وصل إنبوب مع أنبوب- تجهيز ولحام الوشائع السفلية الجديدة للموفر مع الأنابيب الجديدة لمجمع الدخول / وصل إنبوب مع أنبوب - إجراء التصوير اللازم RT بعد إنتهاء أعمال اللحام).

3-9) ضبط نهائي لحزمة أنابيب الموفر الجديدة (ضبط حزم الأنابيب السفلية للموفر إلى المكان المطلوب وفق المخططات - بعد الضبط النهائي يتم تركيب البارات الفاصلة، الوصلات الإهتزازية والمنتخة).

3-10) تجهيز fitting- up / لحام لوحة أنابيب الجدار الخلفي SCW (التصوير الشعاعي يتم بعد إنجاز أعمال اللحام) - (تجهيز ولحام لوح أنابيب الجدار الخلفي الجديد SCW بعد الإنتهاء من أعمال التجهيز واللحام لحزم أنابيب الموفر- إجراء التصوير اللازم RT بعد إنتهاء أعمال اللحام).

3-11) إعادة تركيب باك ستي (مقعد المرجل) , الأذرع وألواح ربط الزوايا (تتم تلك الأعمال بعد الإنتهاء من العمل داخل منطقة الموفر والإنتهاء من أعمال إعادة التركيب للجدار الخلفي SCW - التحقق من ضبط الإلتواءات وفق المخططات النهائية لمرباط الزوايا- إجراء اللحام النقطي Tack لألواح مثبتات مقعد المرجل، البراغي والعزقات قبل أعمال تركيب العزل الحراري والغلاف الخارجي).

3-12) فك السقالات المؤقتة (فك السقالات يتم بعد الإنتهاء من الكشف النهائي- يجب أخذ الحيطة أثناء فك السقالات وذلك لمنع حدوث أي عطب في وشائع الموفر خصوصاً الزعانف- نقل السقالات المفكوكة إلى مكان آمن خارج المرجل والتحقق من ذلك).

3-13) فك المنصة المؤقتة (فك المنصة يتم بعد الإنتهاء من الكشف النهائي - تجنب سقوط أي جزء من مكونات المنصة مما قد يسبب في تلف تجهيزات المرجل -نقل جميع مكونات المنصة خارج منطقة العمل وتجميعها بعيداً عنها).

إجراء اختبار الضغط الهيدروستاتيكي:

3-14) إعادة تركيب الغلاف الخارجي، العزل الحراري، الدرابزونات وغيرها (إعادة تركيب العزل الحراري والغلاف الخارجي بعد التحقق من نجاح تجربة الضغط الهيدروستاتيكي - فحص العزل الحراري قبل تركيب الغلاف الخارجي).

يمكن تلخيص مجمل الأعمال وفق التالي وذلك لزوم أعمال التسعير:

| مسلسل | الوصف الفني |
|-------|--|
| 1 | أجور تركيب وفك السقالات الخارجية والداخلية والمنصات والروافع بمختلف أنواعها بعد معاينة الموقع وتحديد كافة الأعمال، وتشمل مايلي: بوارى حديد - مرابط - ألواح خشب بوندي - حبال - أشرطة تعليم - تيرفورات - روافع مختلفة متحركة وثابتة |
| 2 | أجور نزع الغلاف الخارجي للمرجل جانب الموفر والعزل الحراري مع إعادة التركيب (بترتيب عكسي) وتشمل: نزع الدرابزونات والممرات والأعصاب التي تعيق العمل - نزع التجهيزات الكهربائية والتحكمية - نزع الصاج سماكة 2 ملم مساحة بحدود 20 م ² - قص مجرى الغازات والغلاف الداخلي للمرجل - نزع وصلات التمدد وصاج خرج الموفر |
| 3 | أجور تحديد وقص ونقل الوشائع القديمة وتحويلها إلى مكان مناسب داخل حرم الشركة (الوزن الإجمالي بحدود 60/ طن) |
| 4 | أجور نقل وتجهيز(*) ولحام الوشائع الجديدة (بلوك عدد 31 كل بلوك مؤلف 5/6 وشائع) بوزن بحدود 55/ طن مع الملحقات البالغ وزنها بحدود 4/ طن وفق الإجراءات المحددة من قبل شركة ميتسوبيشي |
| 5 | أجور التصوير الشعاعي لجميع جنطات اللحام (بحدود 800 جنطة) |
| 6 | أجور الرافعة المتنقلة الخارجية لمدة ثلاثة أشهر (الرافعة تحقق الارتفاع كما هو مبين في الملحق رقم 1- الصفحة 11/2 . |
| 7 | قيمة المواد المستهلكة والعدد وتتضمن مايلي: قضبان لحام - أرغون - أحجار قص - أحجار جليخ - أوكسجين - غاز بوتان - مكناات لحام - صواريخ جليخ - آلة شنفرة - جليخ محوري - لوحات كهربائية - أجهزة إنارة - ألبسة الوقاية الشخصية |

جدول تفصيلي للمواد المستهلكة والعدد لزوم التسعير:

| مسلسل | الوصف المفصل | الكمية | الوحدة |
|-------|---|--------|--------|
| 1 | قضبان لحام مختلفة (عادي - أرغون) | 700 | كغ |
| 2 | أحجار قص وجليخ | 600 | عدد |
| 3 | أسطوانة أوكسجين ضغط عال - 120 بار | 400 | عدد |
| 4 | أسطوانة غاز بوتان وزن 20 كغ | 200 | عدد |
| 5 | ألبسة واقية للعمل | 20 | طقم |
| 6 | أجور مكناات لحام وشنفرة وجليخ ولوحات كهرباء | 90 | يوم |

توضيحات:

المقصود بالتجهيز(*) Fitting هو تثبيت توضع للوشائع وشنفرة البواري لتتوائم مع المقابل لها تحضيراً لأعمال اللحام إضافة إلى تركيب الملحقات وهي:
براغي بمختلف أنواعها - وصلات الحمالات- العزق- صفائح دعم-رنديلات - بافلات بمختلف أنواعها - مساند- Seismic tie وذلك وفق المحدد من قبل الشركة
الصانعة والمورد في قائمة المواد الوزن الإجمالي الصافي هو: 3074 كغ
الرافعة المتنقلة الخارجية: مبينة وفق الطريقة PROCEDURE المحددة من قبل شركة ميتسوبيشي الصفحة رقم 2/11 والتي تحقق مسح لإرتفاع
حتى 35 م وبعد حتى 30 م بشكل تقريبي وتستطيع رفع وتحريك وشيعة بوزن يقارب 2000 كغ

يشترط على العارض الالتزام بما يلي:

1. مدة التنفيذ 3 أشهر تبدأ من تاريخ توقيع العقد مع برنامج الأمم المتحدة الإنمائي في سورية.
2. اللجنة الفنية "اللجنة فنية مؤلفة من مهندسين من محطة بانياس الكهربائية وممثل من ال UNDP" تعد مشرفة على عمليات التركيب والتنفيذ والاستلام.
3. يشترط على العارض المتقدم أن يكون فني ومختص في هذا المجال وممارساً للمهنة، وعليه تقديم وثيقة تثبت ذلك من الجهات المعنية.
4. يشترط على العارض المتقدم أن يكون قد نفذ 3 مشاريع مماثلة على الأقل خلال الخمس السنوات الماضية وعليه تقديم الأوراق اللازمة التي تثبت ذلك.
5. يشترط على العارض المتقدم أن يكون لديه العمالة والمعدات اللازمة لتنفيذ المشروع ويجب تقديم الوثائق التي تثبت ذلك (قائمة بالعمالة مع السيرة الذاتية للمهندسين ضمن الفريق وأدوارهم، إضافة إلى قائمة بالمعدات اللازمة مع إثبات الملكية أو الاستئجار)
6. يجب على العارض القيام بزيارة ميدانية لمكان العمل (الزامي) للاطلاع على الموقع والأعمال المطلوبة على أرض الواقع.
7. ويقوم العارض الرابع بالاطلاع على كافة المخططات والوثائق الخاصة بالمشروع والمقدمة من قبل شركة ميتسوبيشي اليابانية ومطابقتها للوضع القائم على الطبيعة خلال خمسة أيام عمل من إرساء العقد عليه
8. على العارض تقديم برنامج زمني خطي يوضح فيه الإجراءات والخطوات التي يرغب باتباعها في تنفيذ مراحل العمل المبينة في الدراسة وعرضه.
9. يحق للجنة الفنية المشرفة على المشروع تعديل أي بند من بنود الأعمال ضمن المبالغ المحددة ووفق مقتضيات العمل ورأي الجهة المشرفة على المشروع.
10. على العارض تقديم كفالة لعملية التركيب لمدة لاتقل عن سنة، وملزم بتقديم الصيانة الكاملة خلال مدة الكفالة.
11. على العارض تقديم كفالة نهائية بقيمة 10% من قيمة العقد ومدتها سنة واحدة من الاستلام النهائي للمشروع من قبل اللجنة الفنية المشرفة.
12. يتم خصم 0.5% عن كل يوم تأخير من قيمة العقد على أن لا تتجاوز مدة التأخير أكثر من 20 يوم.
13. يتحمل العارض المسؤولية الكاملة على كل ضرر يقع على العمال والتجهيزات والمعدات قبل التسليم النهائي للمشروع.
14. لا يتم صرف قيمة البند في حال مخالفة أي محتوى فيه.
15. على العارض الالتزام بالشروط المتعلقة بتنفيذ الأعمال المذكورة أعلاه ورأي اللجنة الفنية المشرفة.
16. يتم الصرف على دفعة واحدة بنهاية مدة العقد.
17. جميع إجراءات التعاقد ستتم وفق أنظمة برنامج الأمم المتحدة الإنمائي في سورية.

The Book of Technical Conditions for the Replacement of the 4th Unit Economizer Coils at Banias Power Plant

Purpose of the Book of Technical Conditions:

- Working on cutting and removing the old coils of the 4th Unit economizer between FL20000 and FL23250 levels, in addition to cutting the metal parts of the economizer's gas outlet, expansion joints that hinder work, rails, pipes, the boiler's secondary holders and all that hinders the works of removing the old coils and preparing for the installation of new ones.
- Working on installing scaffoldings, holders, hoists and bridges used to remove the old coils and install new ones taking into account the proper installation of the procured coils in sets of 5 or 6 pipes with the accessories fixed on the boiler's pipes and new suspension holders, which are to be replaced in addition to the economizer's rotating blower holders number 7 and 8 (direction A and B), all the procured accessories uninstalled during the cutting and removal works and maintaining and numbering the non-procured materials which are to be reinstalled, taking into consideration that all the plans necessary for the execution of work are available in Annex 1. The contractor shall pay a recce site visit, check the plans and offer the proper way for the removal and installation works.
- Ensuring the availability of equipment and vehicles needed for the execution of the required works in addition to determining their numbers and specifications.

Description of works:

- Working on uninstalling and cutting the gas ducts on the economizer's outlet in addition to cutting the pipes and suspension holders, pathways and rails, and the insulation metal boards.
- Installing the suspension holders of the coils to be removed and reinstalling new coils with scaffoldings, hoists/cranes and assistance according to the method used by MITSUBISHI Company or another proper method after visiting the site and receiving MITSUBISHI's approval for the alternative method, if any.
- Working on cutting and transferring the old coils to a site named by the company inside the company's premises according to the materials procured from level FL20330 to level FL23150 as per Plan REV (1) B2-09203 and REV(0) A11000-0101
- Working on installing the new coils, the fixation holders and pipes holders taking into account their sequence as well as the detailed plans presented by MITSUBISHI.
- Works required and non-supported by MITSUBISHI: the company supplies 45xTHK3.6mm pipes in varied lengths for working on cutting and bending pipes to be welded on the economizer's bottom deck from level FL20000 to FL20330. The old pipes fixed on the deck shall be cut and proper cleaning shall be applied to remove the remnants of the previously welded pipes and re-weld new ones in SW method after properly cutting and bending the pipes to be cut and welded on the bottom deck 116

using a 600mm long pipe. The welding of the pipes shall be tested with UT or MT methods or any method the contractor sees adequate.

- Welding the pipes that have been replaced according to the plan and installing them with the old coils at level FL20330 or FL20360 using the welding method that the contractor finds proper.
- Testing the welding using RT Gama RAY or XRAY methods according to the method offered by the contractor and appropriate for such works.
- Welding the coils at level FL23250 provided with an adapter from 45xthk3.6mm to 1.8xthk3mm. Testing the welding shall be conducted using RT Gama RAY or XRAY methods according to the method offered by the contractor and appropriate for such works.

The Extra Works Required:

- As for the coils that have been insulated, the economizer's holders pipes Q3 1.8TH3.6m which have been cut at level FL32250 shall be checked and ensured functioning readiness then re-welded and RT-tested at 80 points in addition to adding a proper connector for the pipes Q31.8YTHK 3.6 mm SA210-C.
- On completion of the installation works for the coils, suspension holders, blowers' holders, gas directors and vibration absorber plates as per MITSUBISHI's plans.
- All that have been uninstalled shall be restored back to their original positions. Damaged parts that the company supplies, such as insulation and metal insulation metal plates and gas duct plates shall be replaced in case the old ones no longer fitted.
- The contractor shall provide all the equipment, vehicles and materials required for the execution of works.
- Prior to concluding the works, the economizer's drain shall be cut, cleaned and re-welded.
- The company shall provide the materials required for the execution of the work including pipes for bending and welding the economizer's bottom deck Q45×THK4mm SA-210-A, and metal plates for insulation, thermal insulation and gas ducts, in case replacements were needed.
- Providing a proper power supply source to execute works at level FL0.00

Schedule of the Works of Replacing the Economizer Coils

Overview:

This document covers the installation procedures, preparation of the equipment and specifications of the installation materials for the partial replacement works of the boiler economizer.

Work schedule:

1. Phase I:

- 1.1. Preparatory works (plans, documents, sectional plans, preparing the transfer equipment and hoists/cranes, coordinating with the control team on uninstalling the relevant equipment, organising the work schedule, preparing the workforce, preparing lists of the numbers and names of the items required for the completion of work, calculating the power energy needed for this temporary work, opening all the boilers check-up shafts to ensure the cooling required).
- 1.2. Installing a temporary deck and equipment for removing the items (uninstalled and new ones) until level +27360 (in the backside area), disconnecting the boiler and opening the check-up shafts.

2. Phase II:

- 2.1. Installing the temporary scaffoldings to remove the external cover, thermal insulation, backseat (boiler seat), arms and connector corners boards (scaffoldings must be safe with all their components previously well tested for safety – before starting work, scaffolding safety must be verified and marked with green ribbons)
- 2.2. Removing the external cover, thermal insulation, boiler seat and connector corners boards (identification and verification must be in line with the final plans before starting work – marking the items with special numbers right/left before starting work to use when reinstalling the parts – removed items must be placed in the ground floor and must not be gathered around the worksite for safety reasons)

The term SCW mentioned below stands for Site Cut Welding

- 2.3. Marking and SCW cutting the back wall board to ensure a pathway for installing the items (the right height and width shall be marked as per the final plans by at least double-checking the dimensions for accuracy – cutting the back wall pipes by a hacksaw or an electric cutter to achieve clean cutting – closing the ends of all the cut pipes with proper plastic lids to prevent any foreign substances from entering them – using foam and proper filters while bevelling the pipes to prevent any foreign substance from entering them).
- 2.4. The temporary removal of all the pipes, rails, etc. which may cause a mess during the installation works (marking all the pipes and rails with special numbers – proper cutting of the marked equipment – closing all the pipes ends properly to prevent entering any foreign substances)

Main Items:

1. Replacing the economizer's bottom part
 - a. Removing and reinstalling the backwall seat using SCW
 - b. Removing and reinstalling the backwall seat using SCW including the wall boards
 - c. Removing and reinstalling the seat beams and arms
 - d. Removing and reinstalling the thermal insulation and external cover

3. Phase III:

Replacing the economizer's bottom pipe beams including:

- 3.1. Installing temporary scaffoldings inside the economizer's funnel (preparing suitable scaffoldings inside the economizer's funnel to be used in replacing the bottom pipe beams at the economizer inlet – scaffoldings must be safe with all their components previously well tested and shall be installed by specialists who shall test them after installation to ensure safety and mark them with green ribbons)
- 3.2. Installing temporary beams and a crane (beams and cranes shall be installed in the area of beaming the economizer's upper pipes – verifying good fixation of the beams and cranes – beams and cranes shall be tested before installation to ensure safety).
- 3.3. Marking and cutting the economizer's bottom pipe board (accurately and directly marked on the economizer's bottom pipes as per the final plans with at least double-checking the dimensions for accuracy – cutting the pipes with a hacksaw or electric cutter to ensure clean cutting – closing all the cut pipes ends with proper plastic lids to prevent any foreign substances from entering).
- 3.4. Removing the economizer's supporting boards (the boards of the economizer's bottom pipes beams must be removed upon finishing the pipes cutting – verifying that all the cranes holding the pipes beams are properly fixed before starting the removal work – softening the welding points on one of the pivot sides then adjusting the level of the pipes beams and ensuring that the pivot can be drawn – removing the pivot continually with the economizer's bottom pipe support board and ensuring that the beams are safely held in the cranes)
- 3.5. Transferring the old economizer's pipe beams (to be replaced) – (on transferring them to the cranes, they shall be gradually moved towards the backwall shaft using SCW – afterwards, they shall be moved to the external crane to be placed in a safe area outside the boiler)
- 3.6. Transferring the new economizer's pipe beams (to be installed) – (transferring them in sequence and following the serial number as per the drawing and placing them opposite the installation areas – using the external crane to lift the new pipe beams and place them on top of the temporary deck – cranes and hoists shall receive the coil and move it to the economizer place through the back wall shaft using SCW – precautions must be considered to avoid any damage to the pipes ends that must be properly covered)
- 3.7. Installing and welding the economizer's support boards (pivots and washers) – (installing them after lifting the new coils to their places then inserting the pivot and washer and ensuring them being well welded – before releasing the coil (load), the installation of the support board must be ensured to be followed by a complete welding for the inserted pivot and washer – inserting the vibration buffers everywhere as per the final plans)
- 3.8. Preparing fitting-up for welding the new pipe beams (preparing and welding the new bottom coils of the economizer with the economizer's rising top pipes /the remaining part that is not cut/ connecting each pipe with the other – preparing and

welding the economizers' new bottom coils with the new ones on the inlet deck / connecting each pipe with the other/ - carrying out the RT needed on completion of the welding work)

- 3.9. A final adjustment to the economizer's new pipe beams (adjusting their places as per the plans – upon completion of the final adjustment, partitions, vibrating joints shall be installed)
- 3.10. Preparing fitting-up and welding the backwall pipe board using SCW (x-ray shall be done on completion of the welding work) – (preparing and welding the new back wall pipe board using SCW on completion of the preparation and welding works of the economizer's pipe beams – carrying out the RT needed on completion of the welding works)
- 3.11. Reinstalling the boiler seat, arms and corners connectors (to be done on completion of the works inside the economizer area and reinstalling the back wall using SCW – verifying the adjustments of bents as per the final plans of the corners connectors – carrying out tack welding for the boiler seat board pivots, screws and nuts before the works of installing thermal insulation and external cover)
- 3.12. Uninstalling the temporary scaffoldings (to be done upon finishing the final verification – precautions must be considered while uninstalling the scaffoldings to prevent causing any damage to the economizer's coils, especially the fins – making sure to transfer the uninstalled scaffoldings to a safe place outside the boiler)
- 3.13. Uninstalling the temporary deck (to be done on completion of the final verification – avoiding the fall of any part of the deck components that may damage the boiler's equipment – transferring all the deck's components outside the worksite and assembling them away from it)

Hydrostatic Pressure Testing:

- 3.14. Reinstalling the external cover, thermal insulation, rails, etc. (after verifying the success of hydrostatic pressure tests – testing the thermal insulation before installing the external cover)

The overall works may be summarized as follows for pricing purposes:

| Serial | Technical Description |
|--------|--|
| 1 | Charges for installing and uninstalling the internal and external scaffoldings, decks, cranes and hoists after checking the site and identifying all the works required including: Iron rods, ties, wooden boards, ropes, marking ribbons, come-along winches, mobile/fixed cranes and hoists |
| 2 | Charges for uninstalling the boiler's external cover next to the economizer, and thermal insulation with reinstalling them (in reverse order) including: Uninstalling the rails, pathways that hinder the work, uninstalling the electric and control equipment, uninstalling 2mm thick metal plates of an approximate area of 20m ² , cutting the gas ducts and the boiler's external cover, removing the expansion joints and the economizer's output plates |

| | |
|---|--|
| 3 | Charges for identifying, cutting and transferring the old coils to a suitable area on the company's premises (overall weight 60 tonnes approx.) |
| 4 | Charges for transferring, preparing/fitting (*) and welding the new coils (31 blocks, each is made from 5-6 coils) with an overall weight of 55 tonnes approx. with accessories weighing around 4 tonnes as per the measures set by Mitsubishi Co. |
| 5 | Charges for the x-ray imaging of all the welding positions (about 800 positions) |
| 6 | Charges for the external mobile crane for three months (crane reaching an altitude shown in Annex 1 page 2/11) |
| 7 | Cost of consumed items and tools including: Welding rods, argon welding, cutting drill bits, abrasive drill bits, oxygen, butane gas, welding machines, abrasive drills, bevelling machines, electric panels, lighting devices, personal protection outfits |

A Detailed Table of the Consumed Items and Tools for Pricing Purposes:

| Serial | Detail description | Qty | Unit |
|--------|--|-----|------|
| 1 | Varied welding rods (regular – argon) | 700 | Kg |
| 2 | Cutting and polishing bits | 600 | Item |
| 3 | High-pressure oxygen cylinder – 120 bar | 400 | Item |
| 4 | Butane gas cylinder – 20kg | 200 | Item |
| 5 | Protection outfit for the workers | 20 | Suit |
| 6 | Charges for welding, beveling and polishing machines and electric panels | 90 | days |

Clarifications:

The term Fitting (*) refers to fixing the coils and beveling the pipes to be in line with the ones opposite them in preparation for the welding works in addition to installing the accessories, which are as follows:

All sorts of screws, holders' joints, nuts, supporting plates, washers, assorted buffers and supports according to the seismic tie by the manufacturing company mentioned in the overall weight list as 3074kg.

The external mobile crane: shown according to the Procedure of Mitsubishi page 2/11 which allows for a surveying altitude of up to 35m and a dimension up to 30m approx and may lift and move a 2000kg coil.

The bidder is required to comply with the following:

1. The implementation period is **3 months** from the date of signing the contract with the United Nations Development Program in Syria.

2. The Technical Committee – a technical committee composed of engineers from the Baniyas Power Plant and a representative from the UNDP – is responsible for the supervision of the installation, implementation and receipt processes.
3. The applicant must be a technician and a specialist in this field and practicing the profession and must submit a document proving that from the concerned parties.
4. The bidder shall be required to have executed at least 3 similar projects during the past five years and shall submit the necessary papers proving that.
5. The applicant must have the necessary labor and equipment to carry out the project.(and submit a list of the workers and the CVs of the engineers within the team, in addition to the list of equipment with a proof of ownership or lease)
6. **The bidder shall make a field visit (Mandatory) to the place of work to see the site and the required works firsthand.**
7. **The winning bidder shall be acquainted with all the drawings and documents related to the project submitted by the Japanese company MITSUBISHI and conforming to the actual situation within five working days of awarding the contract.**
8. The bidder shall prepare a written timetable showing the procedures and steps he wishes to follow in implementing the work stages indicated in the study and his offer.
9. The Technical Committee supervising the project shall have the right to amend any item of work within the amounts specified in accordance with the work requirements and the opinion of the supervising authority of the project.
10. The bidder must provide a warranty for the installation process for a period of not less than one year and is obliged to provide full maintenance during the warranty period.
11. The bidder must submit a final guarantee of 10% of the value of the contract and one year from the final receipt of the project by the supervising technical committee.
12. A rate of 0.5% of the contract value shall be deducted per each day of delay provided that the delay shall not exceed 20 days.
13. The bidder shall bear full responsibility for any damage to workers, tools and equipment prior to the final delivery of the project.
14. The value of each item shall not be disbursed if any content is violated.
15. The bidder shall comply with the conditions related to the implementation of the aforementioned works and the opinion of the supervising technical committee.
16. Payment shall be made in one lump sum at the end of the contract term.

All contracting procedures will be in accordance with the regulations of the United Nations Development Program in Syria.

Annex -1- / الملحق رقم -1-
مثال على طريقة استبدال موفر مشابه لتوضيح الأعمال والتجهيزات والعدد المطلوبة

SAMPLE

REPLACEMENT WORK OF ECONOMIZER PANEL

Contents

| | |
|--------------------------|---|
| 1 <u>GENERAL</u> | 2 |
| 2 <u>WORK FLOW CHART</u> | 3 |
| 3 <u>PROCEDURE</u> | 4 |

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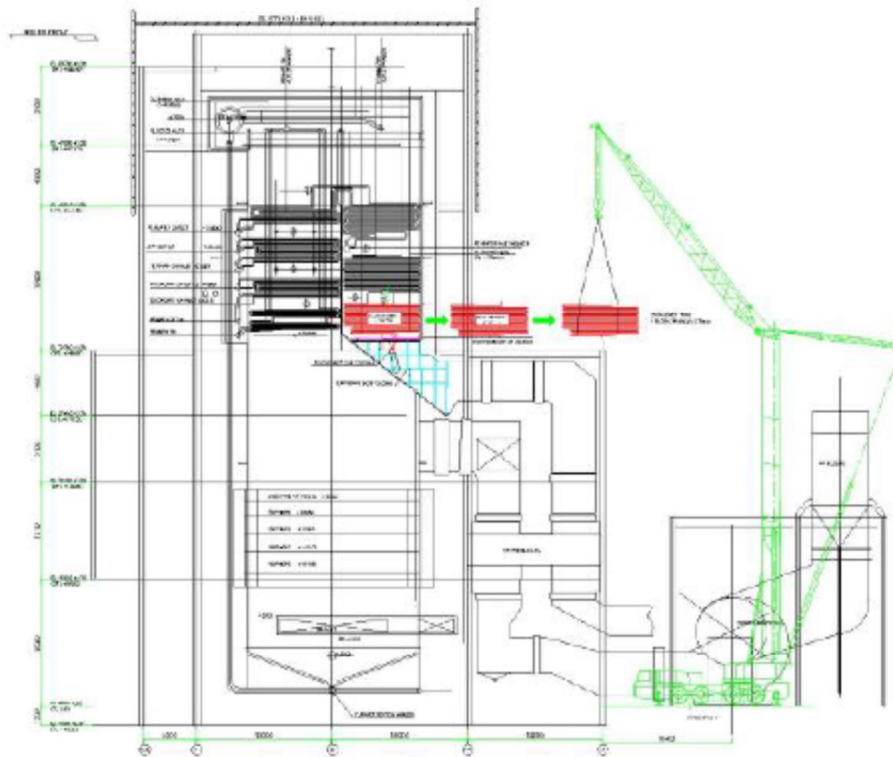
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SAMPLE

REPLACEMENT WORK OF ECONOMIZER PANEL

1. GENERAL

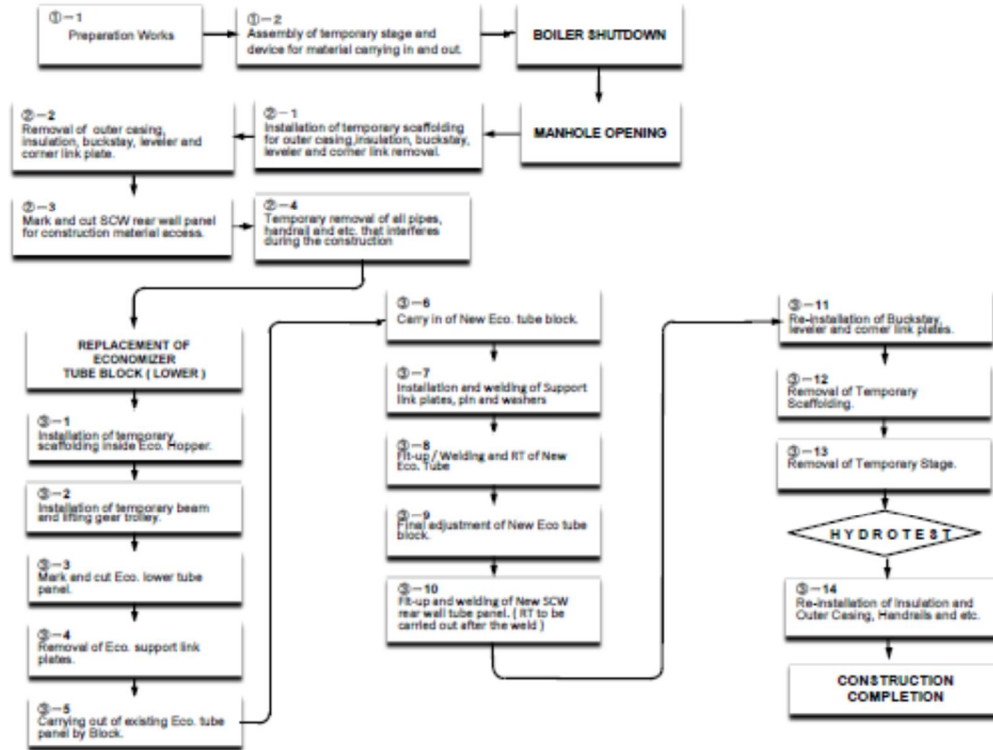
This document covers construction procedure, preparation of equipment/tools and specification of construction materials for the partial replacement work of Economizer of Boiler.



SAMPLE

REPLACEMENT WORK OF ECONOMIZER PANEL

2 WORK FLOW CHART



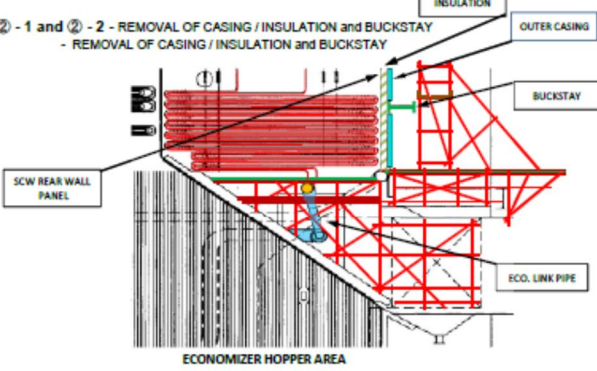
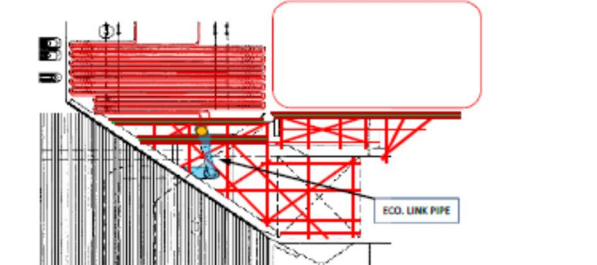
SAMPLE
3 PROCEDURE

| PROCEDURE | | SCHEMATIC DRAWING |
|-----------------------------|---|----------------------------|
| Outline of Replacement Area | | BOILER GENERAL ARRANGEMENT |
| MAJOR ITEM | QUANTITY | |
| 1 | Replacement of Economizer (Lower) | |
| A | Removal and Restoration of S.C.W. Rear Wall Buckstay | |
| B | Removal and Restoration of S.C.W. Rear Wall including wall plates | |
| C | Removal and Restoration of Leveler Beam for Buckstay | |
| D | Removal and Restoration of Insulation and Outer Casing | |
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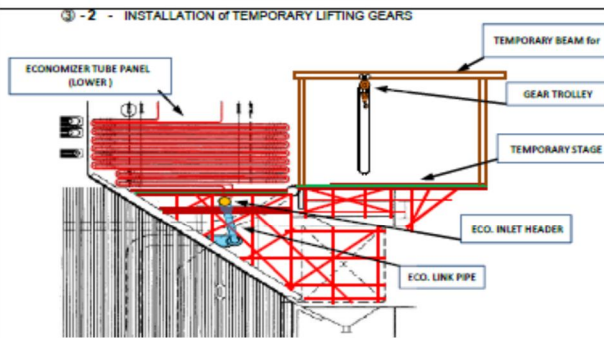
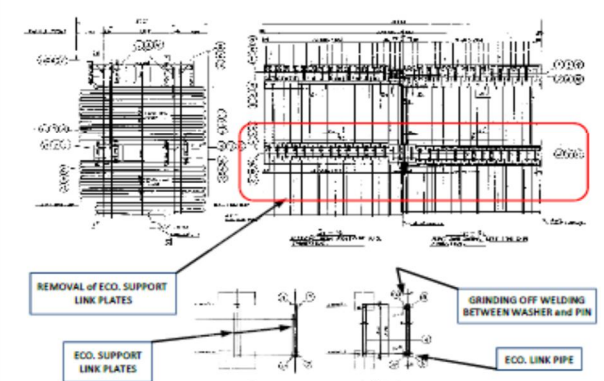
SAMPLE

| PROCEDURE | SCHEMATIC DRAWING |
|---|--|
| <p>① - 1 Preparation Works</p> <ol style="list-style-type: none"> 1. Check all necessary related drawings and other document pertaining to the modification works such as: assembly and sectional detail drawings, schedule and procedures with the latest approved revision. 2. Prepare necessary handling facilities (e.g. suitable lifting equipment, trolley and supports, etc. to remove and store various parts of equipment). 3. Co-ordinate with Instrument and Control (I&C) department to remove all the attached instrument such as pressure transmitters before starting disassembly work. 4. Make work procedure and schedule in accordance with this document. 5. Arrange manpowers in required groups for rehabilitation work. Make a group structure for mobilization. 6. Tool list and consumable list shall be made and be arranged to avoid any delay. 7. For the use of electric equipment for welding and lighting, calculate temporary electric capacity and decide source of the supply. If shortfall is expected, diesel generator shall be arranged. 8. Open all manholes after boiler is in adequate cooled to enter. <p>① - 2 Assembly of the Temporary Stage and Devloe for Material Carrying In and out.</p> <ol style="list-style-type: none"> 1. Fabricate and install temporary stage and gear trolley. <ul style="list-style-type: none"> - The gear trolley should be planned turning flexibly for easy and safe maneuvering and free from moving to the desired position during in and out of the materials inside the economizer area. 2. Install temporary stage and gear trolley to the height of FL+27360 (Rear Side Area) <p>② - 1 Installation of Scaffolding for Outer Casing, Insulation, Buokstay and SCW Rear Wall removal.</p> <ol style="list-style-type: none"> 1. Scaffolding must be installed with competent certified scaffolders to ensure the safety of all personnel involved in the area. 2. Make sure that all scaffolding materials must be properly inspected prior to the installation to avoid falling of personnel and materials. 3. After scaffolding installation completion, it must be inspected with the competent certified inspector and be tagged with " GREEN TAG " before to commence the work. | <p>① - 1 - PREPARATION WORKS</p> <p>The schematic drawing illustrates the preparation works for the removal of the economizer tube panel. It features a 3D perspective view of the economizer tube panel (downer) and a 2D cross-section view. Key components labeled include the Economizer Tube Panel (Downer), Eco. Inlet Header, Eco. Link Pipe, and the Economizer Hopper Area. A temporary stage is shown for material carrying in and out. Scaffolding is indicated for outer casing and insulation removal. A table of dimensions is provided for reference.</p> |

SAMPLE

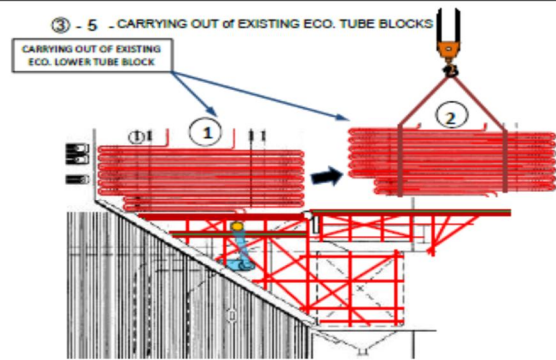
| PROCEDURE | SCHEMATIC DRAWING |
|---|---|
| <p>② - 2 Removal of Outer Casing, Insulation, Buckstay, Leveler and Corner Links.</p> <ol style="list-style-type: none"> Outer Casing, Buckstay, Leveler and Corner Links must be marked and confirmed based on the issued approved Drawing before to commence with the removal works. Mark the material with Identification number and or right side or left side before to start the with works. This mark will be used during the re-installation time. After the removal, all materials should be bring to ground level so that there will be no accumulation of materials around the working area and for safe working condition. <p>② - 3 Mark and Cut SCW Rear Wall Tube Panel for Construction Material Access</p> <ol style="list-style-type: none"> Mark directly to the SCW Rear Wall Tube the correct height and width based on the issued Approved Drawing and double dimensional checking must be done so as to eliminate any inaccuracy in dimension. After confirming with the marks, cut the SCW Rear Wall Tube with power hack saw or a special pneumatic grinder for smooth and clean tube cut. After Tube Cutting, make sure to cover the tube end with plastic cap cover to eliminate from any foreign materials may fall inside the tube. During Tube beveling, make sure to provide a foam attached with wire and place inside the tube so as to eliminate from any debris or foreign materials may fall inside the tube. <p>② - 4 Temporary removal of pipes, handrail and etc. that interfere during the construction</p> <ol style="list-style-type: none"> Marks all pipes and handrail with respective numbers in order to identify and locate to the previous location during re-installation time. Cut properly and remove temporarily all pipes, handrail and others that might interfere during the construction works. After cutting, all pipes must be beveled and covered with end cap plastic cover to eliminate from any foreign materials may fall inside the tube. <p><u>REPLACEMENT OF ECONOMIZER LOWER TUBE BLOCK</u></p> <p>③ - 1 Installation of Scaffolding inside Eco. Hopper</p> <ol style="list-style-type: none"> Provide an appropriate temporary scaffolding inside Eco. Hopper Area to be used for the replacement of Eco. Lower tube block and Eco. Inlet Header. | <p>① - 2 - INSTALLATION OF TEMPORARY STAGE and LIFTING DEVICES</p> <p>② - 1 and ② - 2 - REMOVAL OF CASING / INSULATION and BUCKSTAY - REMOVAL OF CASING / INSULATION and BUCKSTAY</p>  <p>② - 2 - REMOVAL of OUTER CASING and INSULATION</p> <p>② - 3 - MARKING and CUTTING of SCW REAR WALL PANEL</p> <p>② - 4 - CUTTING of INTERFERED PIPE and HANDRAILS</p>  |

SAMPLE

| PROCEDURE | SCHEMATIC DRAWING |
|--|--|
| <p>2. Scaffolding must be installed with competent certified scaffolders to ensure the safety of all personnel involved in the area.</p> <p>3. Make sure that all scaffolding materials must be properly inspected prior to installation to avoid from falling of personnel and materials.</p> <p>4. After scaffolding installation completion, it must be inspected with the competent certified Inspector and be staged with " GREEN TAG " before to commence the work.</p> <p>③ - 2 Installation of Temporary Beam and Lifting Gears.</p> <p>1. Install temporary beam and other lifting gears to the location underneath of the Eco. Upper Tube Block same as shown in the issued approved Drawing.</p> <p>2. Make sure to securely fasten all the lifting gears attached to the materials to prevent any untoward consequences during the works.</p> <p>3. Materials must be thoroughly check before the installation.</p> <p>③ - 3 Mark and Cut The Eco. Lower Tube Panel</p> <p>1. Mark directly on the Eco. Lower Tube, the exact location based on the issued Approved Drawing and double dimensional checking must be carried out so as to eliminate any inaccuracy in dimension.</p> <p>2. After confirmation with the marks, cut the Eco. Lower Tubes with power hack saw or a special pneumatic grinder for smooth and clean tube cut.</p> <p>3. After Tube Cutting, make sure to cover the tube end with plastic end cap cover to eliminate from any foreign materials may fall inside the tube.</p> <p>③ - 4 Removal Eco. Support Link Plates</p> <p>1. Removal of Eco. Lower Tube Block support link plate shall commence after the completion of tube cutting.</p> <p>2. Make sure that all lifting gears attached to the Tube Block is securely fastened before to start with the removal of the support link plate.</p> <p>3. Grind off smoothly the weld bead on one side of the pin. After grinding off, adjust the level of the Eco. Lower Tube Block and see to it that the pin is free to pull off.</p> <p>4. Remove the pin and so with the Eco. Lower Tube support plate continuously and make sure that Eco. Lower Tube Block is hooked up securely to the lifting gears.</p> | <p>③ - 2 - INSTALLATION of TEMPORARY LIFTING GEARS</p>  <p>③ - 4 - REMOVAL of ECO. SUPPORT LINK PLATES</p>  |

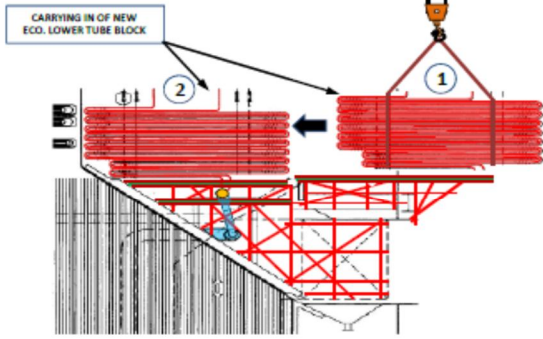
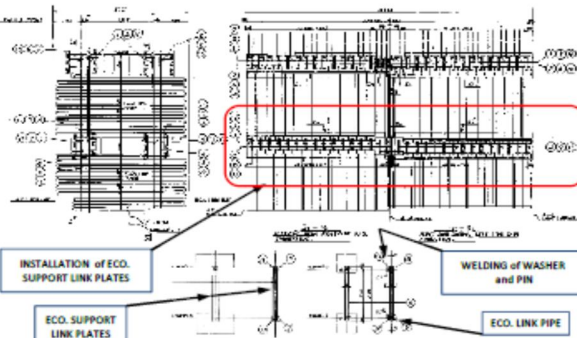
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SAMPLE

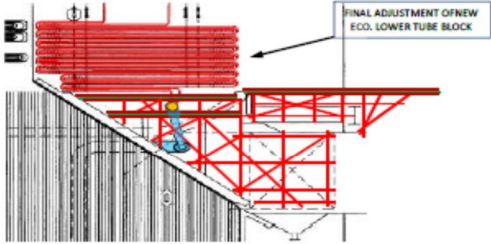
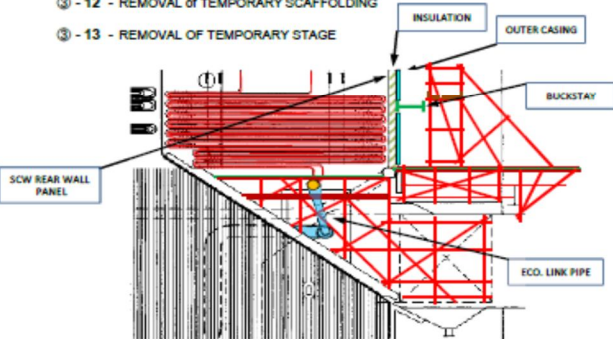
| PROCEDURE | SCHEMATIC DRAWING |
|---|---|
| <p>③ - 5 Carrying Out of the Existing Eco. Lower Tube Block</p> <p>1. After transferring the load of Eco. Lower Tube Block to the Lifting Gears (Trolley and Chain Blocks), then move gradually towards the SCW Rear Wall access opening .</p> <p>2. After the Eco. Lower Tube Block passing through out the SCW Rear Wall access opening, the load should be transferred to the allocated crane and bring to a secure area outside the Boiler.</p> | <p>③ - 5 - CARRYING OUT of EXISTING ECO. TUBE BLOCKS</p>  |

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SAMPLE

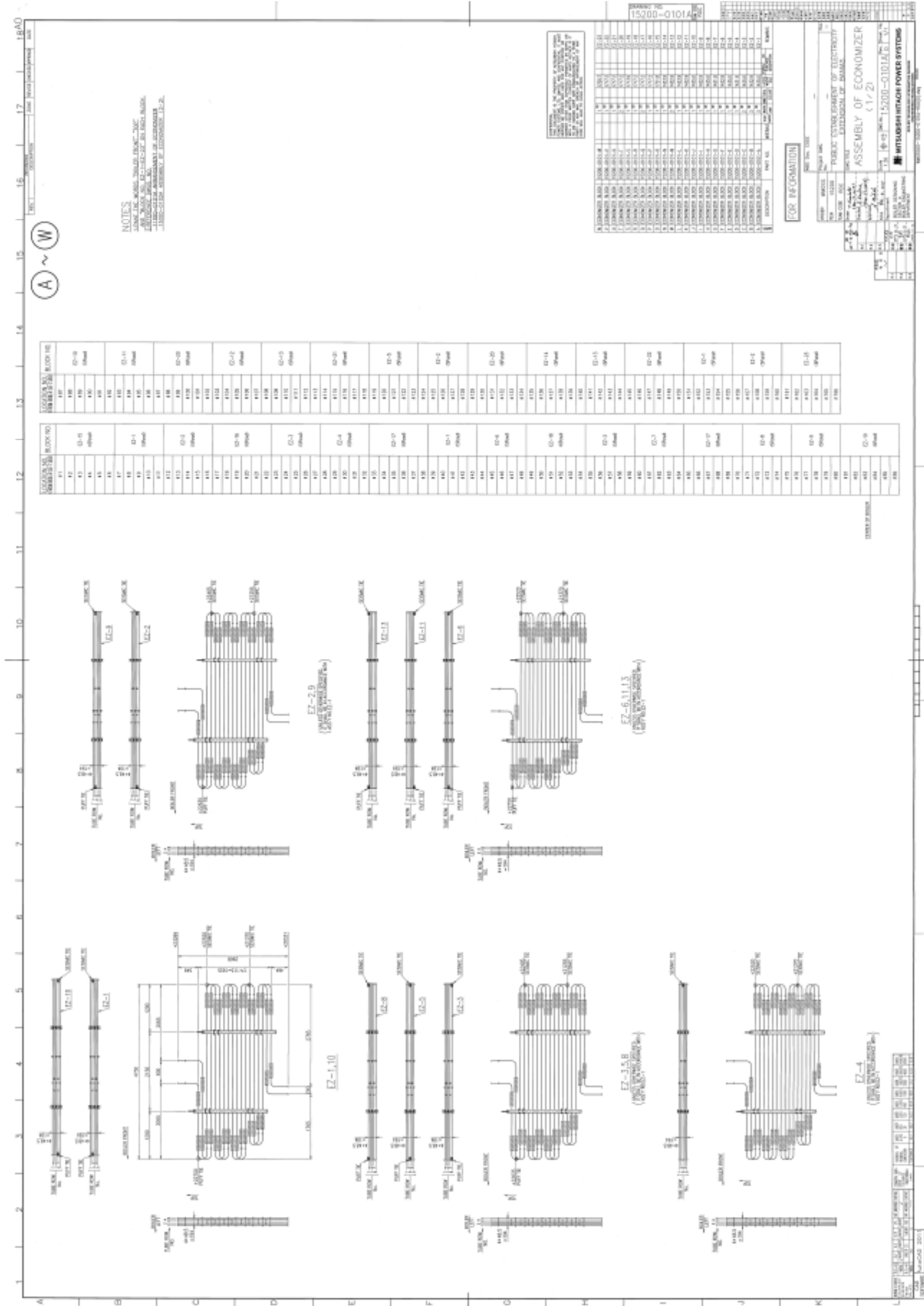
| PROCEDURE | SCHEMATIC DRAWING |
|---|---|
| <p>REPLACEMENT OF ECONOMIZER LOWER TUBE BLOCK</p> <p>③ - 6 Carrying in of New Eco. Lower Tube Block</p> <ol style="list-style-type: none"> 1. Carrying in the New Eco. Lower Tube Block one at a time, follow the sequence number as per Drawing and lay it to each corresponding locations. 2. Use the allocated crane for the New Eco Tube Block in lifting on top of the temporary stage. 3. Trolley and Chain Block will receive the load and start to move in to Economizer Area passing through the SCW Rear Wall access opening. 4. Take extra care not to damage the tube end bevel. It should be covered with end cap cover. <p>③ - 7 Installation and Welding of Support Link Plates, Pin and Washer</p> <ol style="list-style-type: none"> 1. After the New Eco. Tube Block lay to position, install Support Link Plate, Insert the Pin and Washer. Make sure to weld the washer on the inserted Pin. 2. Before releasing the load, make sure that Support Link Plate have been installed and completely weld between the Washer and the inserted Pin. 3. Insert Vibration Baffle in each every location as mentioned on the Issued Approved Drawing. <p>③ - 8 Fit-up / Welding / RT of New Eco. Tube</p> <ol style="list-style-type: none"> 1. Fit-up and welding of New Eco. Lower tube to Existing Eco. Upper tube panel. (Tube to Tube Joints) 2. Fit-up and Welding of New Eco. Lower Tube panel to New Eco. Inlet Header tube. (Tube to Tube Joints) 3. RT must be carried out after the weld. <p>③ - 9 Final Adjustment of the New Eco. Lower Tube Block.</p> <ol style="list-style-type: none"> 1. Adjust each New Eco. Lower Tube Block to a required spacing as per Issued Approved Drawing. | <p>③ - 6 - CARRYING IN OF NEW ECO. LOWER TUBE BLOCKS</p>  <p>③ - 7 - INSTALLATION and WELDING OF SUPPORT LINK PLATE, PIN and WASHER</p>  |

SAMPLE

| PROCEDURE | SCHEMATIC DRAWING |
|---|---|
| <p>2. After the final adjustment, start with the installation of Spacer Bars, Seismic and Puff Tie. Make sure not to damage Furnace and SCW Rear wall during installation and welding.</p> <p>③ - 10 Fit-up and Welding of New SCW Rear Wall Tube Panel.</p> <ol style="list-style-type: none"> 1. Fit-up and welding of New SCW Rear Wall Tube Panel shall commence after the completion New Eco. Tube Block fit-up and welding works. 3. RT must be carried out after the the weld. <p>③ - 11 Re-Installation of Buckstay, Leveler and Corner links</p> <ol style="list-style-type: none"> 1. Buckstay, Leveler and Comer Links re-Installation will be carried out after the completion works Inside the Economizer Area and SCW Rear Wall re-Installation works 2. For the Corner Links Installation, off-set setting should be confirmed base on the issued approved Drawing prior to final welding. 3. Buckstay keeper plates, bolts and nuts shall be done tack welding prior to insulation and outer casing works. <p>③ - 12 Removal of Temporary Scaffolding</p> <ol style="list-style-type: none"> 1. Removal of Temporary Scaffolding must be carried out after final inspection. 2. Make sure not to damage Water Wall Tubes and Eco. Tubes during the dismantling of scaffolding. 3. Avoid any material drop that might cause damage to permanent materilas. 4. After removal of the scaffolding, make sure to lift all the material outside the Boiler so that there will be no accumulation of material around the working area. <p>③ - 13 Removal of Temporary Stage</p> <ol style="list-style-type: none"> 1. Removal of Temporary Scaffolding must be carried out after final inspection. 2. Avoid any material drop that might cause damage to permanent materilas. 3. After removal of the scaffolding, make sure to lift all the material outside the Boiler so that there will be no accumulation of material around the working area. <div data-bbox="334 989 526 1024" style="border: 1px solid black; padding: 2px; text-align: center;">HYDROTEST</div> | <p>③ - 8 - FIT-UP / WELDING / RT of NEW ECO. LOWER TUBE BLOCK</p> <p>③ - 9 - FINAL ADJUSTMENT of the NEW ECO. LOWER TUBE BLOCK</p>  <p>③ - 10 - FIT-UP and WELDING of NEW SCW REAR WALL TUBE PANEL</p> <p>③ - 11 - RE-INSTALLATION OF BUCKSTAY, LEVELER and CORNER LINKS</p> <p>③ - 12 - REMOVAL of TEMPORARY SCAFFOLDING</p> <p>③ - 13 - REMOVAL OF TEMPORARY STAGE</p>  |

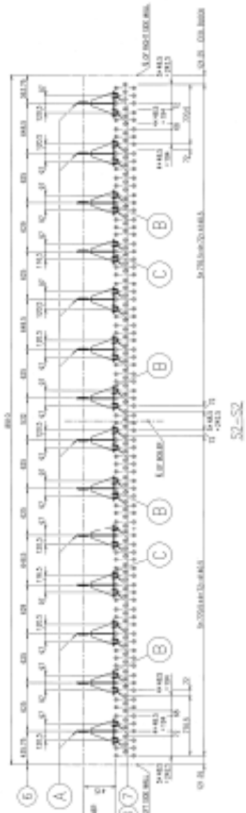
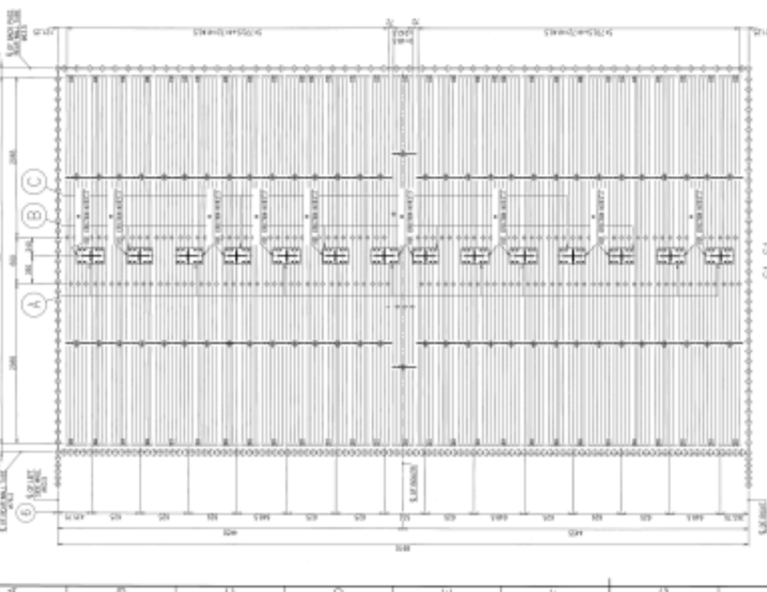
SAMPLE

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| <p style="text-align: center;">PROCEDURE</p> <p>⑭ - 14 Re-Installation of Insulation, Outer Casing, Handrails and etc.</p> <ol style="list-style-type: none"> 1. Re-Installation of Insulation and Outer Casing shall be done after the confirmation and acceptance of the Hydrotest result. 2. Insulation inspection must be carried out prior to Outer Casing Installation. <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 20px;"> CONSTRUCTION COMPLETION </div> | <p style="text-align: center;">SCHEMATIC DRAWING</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 20px;"> HYDROTEST </div> <p>⑭ - 14 - RE-INSTALLATION OF INSULATION, OUTER CASING HANDRAILS AND ETC.</p> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 20px;"> CONSTRUCTION COMPLETION </div> |
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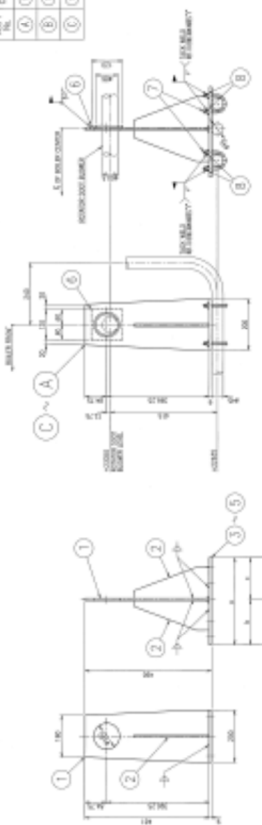
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NOTES
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ERECTION NOTES
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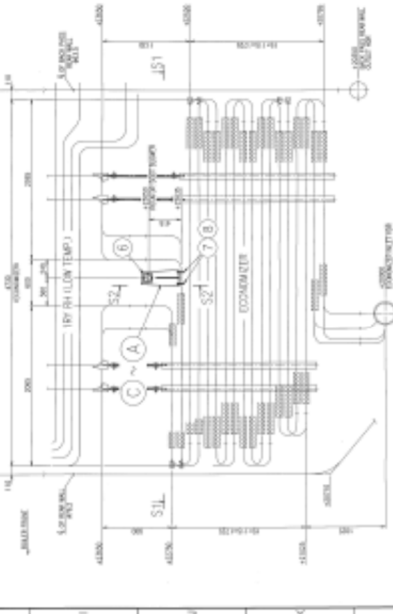
| ITEM NO. | DESCRIPTION | QUANTITY |
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| 2 | CONCRETE | 14 |
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MARK (6) (7) (8) FITTING PROCEDURE

ASSY (A ~ C)

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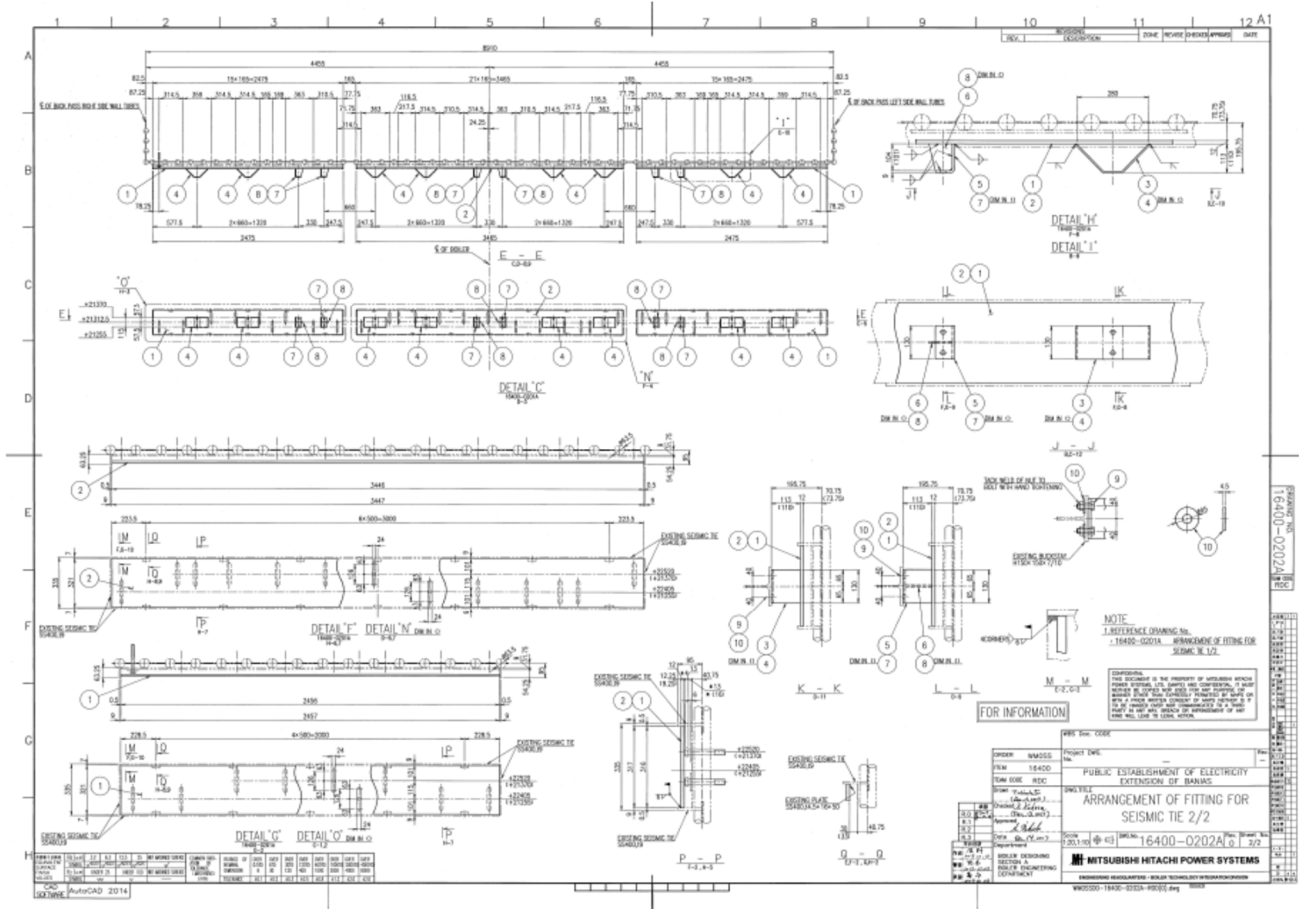


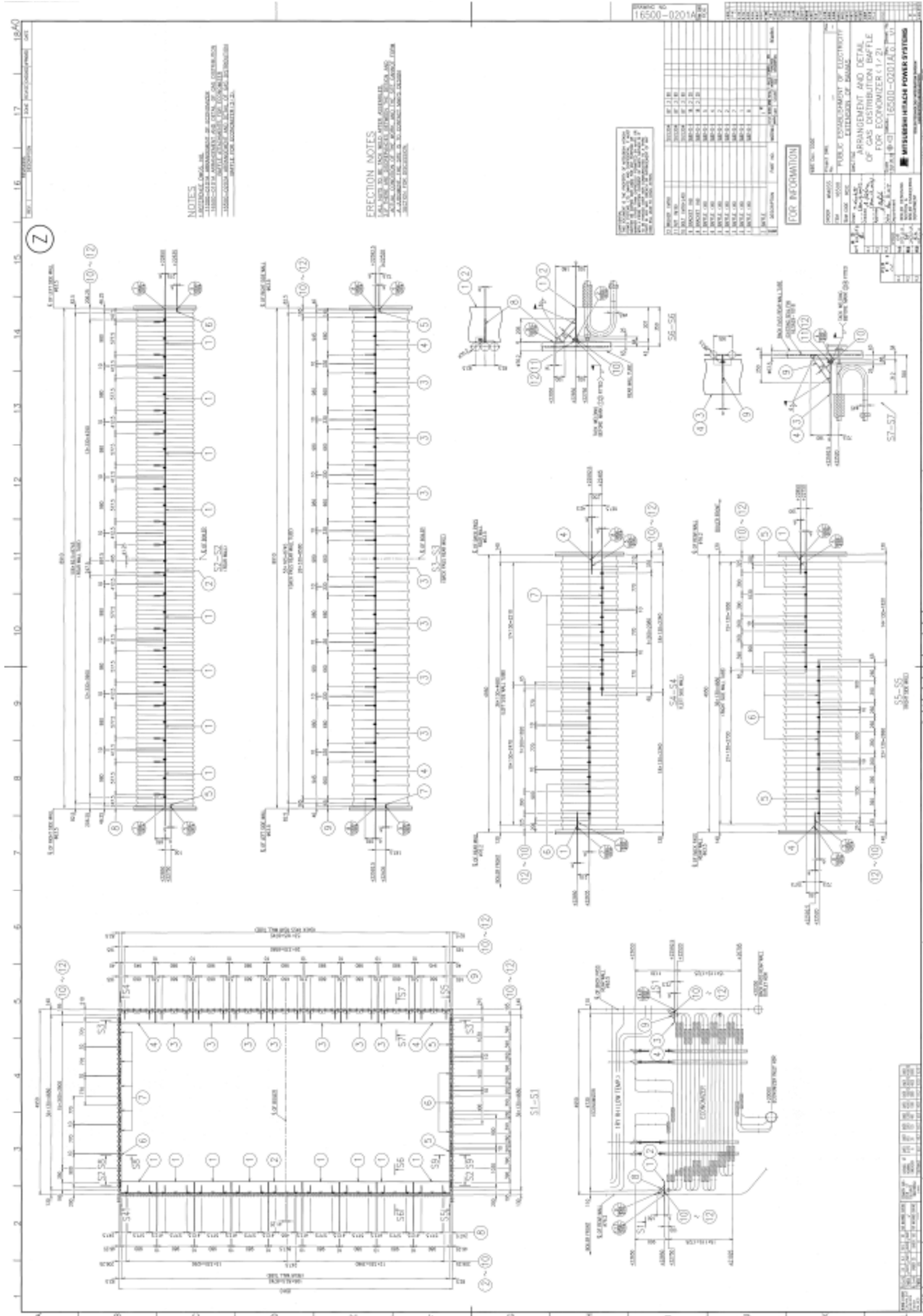
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Section 5b: Other Related Requirements

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) | DAP |
| Exact Address of Delivery/Installation Location | Banias Power Plant, Syria |
| Mode of Transport Preferred | No preferred mode of transport |
| UNDP Preferred Freight Forwarder, if any ² | No preferred freight forwarder |
| Distribution of shipping documents (if using freight forwarder) | N/A |
| Customs, if required, clearing shall be done by: | UNDP |
| Ex-factory / Pre-shipment inspection | N/A |
| Inspection upon delivery | Will be conducted by UNDP and project beneficiaries. |
| Installation Requirements | Please see the terms of reference |
| Testing Requirements | Please see the terms of reference |
| Scope of Training on Operation and Maintenance | N/A |
| Commissioning | N/A |
| Warranty Period | One year |
| Local Service Support | N/A |
| Technical Support Requirements | N/A |
| After-sale services Requirements | <input checked="" type="checkbox"/> Warranty on all works shall be for one year starting from the date of issuing the official provisional acceptance letter from the beneficiary after the completion of all related works to the contract. |
| Payment Terms (max. advanced payment is 20% as per UNDP policy) | <input checked="" type="checkbox"/> 100% within 30 days upon UNDP's acceptance of the works and goods delivered as specified and receipt of invoice |
| Conditions for Release of Payment | <input checked="" type="checkbox"/> Inspection upon completion of works <input checked="" type="checkbox"/> Written Acceptance of works based on full compliance with ITB requirements |
| All documentations, including catalogues, instructions and operating manuals, shall be in this language | English |

²A 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.

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:

| | |
|--|--------------------------|
| Have you duly completed all the Returnable Bidding Forms? | |
| ▪ 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 | |
| ▪ [Add other forms as necessary] | <input type="checkbox"/> |
| Have you provided the required documents to establish compliance with the evaluation criteria in Section 4? | <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. [Insert ITB Reference Number] 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

| | |
|--|---|
| Legal name of Bidder | [Complete] |
| Legal address | [Complete] |
| Year of registration | [Complete] |
| Bidder's Authorized Representative Information | Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete] |
| Are you a UNGM registered vendor? | <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, [insert UGNM vendor number] |
| Are you a UNDP vendor? | <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, [insert UNDP vendor number] |
| Countries of operation | [Complete] |
| No. of full-time employees | [Complete] |
| Quality Assurance Certification (e.g. ISO 9000 or Equivalent) <i>(If yes, provide a Copy of the valid Certificate):</i> | [Complete] |
| Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? <i>(If yes, provide a Copy of the valid Certificate):</i> | [Complete] |
| Does your Company have a written Statement of its Environmental Policy? <i>(If yes, provide a Copy)</i> | [Complete] |
| 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 | [Complete] |
| Is your company a member of the UN Global Compact | [Complete] |
| Contact person that UNDP may | Name and Title: [Complete] |

| | |
|---|--|
| <p>contact for requests for clarifications during Bid evaluation</p> | <p>Telephone numbers: [Complete] Email: [Complete]</p> |
| <p>Please attach the following documents:</p> | <ul style="list-style-type: none"> ☒ Company Profile, which should not exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods/services being procured ☒ Certificate of Registration of the business, including Articles of Incorporation, or equivalent document if Bidder is not a corporation. ☒ Latest Audited Financial Statement (Income Statement and Balance Sheet) including Auditor's Report for the past 3 years ☒ Statement of Satisfactory Performance from the Top 3 Clients in terms of Contract Value the past 5 years ☒ List of tools and equipment to be used for the execution of this work. ☒ List and value of projects performed by the company with similar nature and complexity, plus client's contact details who may be contacted for further information on those contracts; ☒ CVs of the Key Staff and Engineers who will execute the work. ☒ List of equipment in line with or exceed the requirements of performance and size of the ITB (for all components and/or requirements); ☒ Proof that the contractor owns or will rent the proposed equipment; ☒ All information regarding any past and current litigation during the last five (5) years, in which the bidder is involved, indicating the parties concerned, the subject of the litigation, the amounts involved, and the final resolution if already concluded. |

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 <i>(address, telephone numbers, fax numbers, e-mail address)</i> | Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed |
|----|--|--|
| 1 | [Complete] | [Complete] |
| 2 | [Complete] | [Complete] |
| 3 | [Complete] | [Complete] |

| | |
|--|------------|
| Name of leading partner (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 3 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

| | | |
|--|------|-----|
| Annual Turnover for the last 3 years | Year | USD |
| | Year | USD |
| | Year | USD |
| Latest Credit Rating (if any), indicate the source | | |

| 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 (Please fill)

- 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.

SECTION 2: Scope of Supply, Technical Specifications, and Related Services (Please fill)

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.

| Other Related services and requirements <i>(based on the information provided in Section 5b)</i> | Compliance with requirements | | Details or comments on the related requirements |
|---|------------------------------|---|---|
| | Yes, we comply | No, we cannot comply <i>(indicate discrepancies)</i> | |
| Delivery Term | | | |
| Warranty | | | |
| Delivery Time | | | |

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

| | |
|-------------------------------------|---|
| Name of Personnel | [Insert] |
| Position for this assignment | [Insert] |
| Nationality | [Insert] |
| Language proficiency | [Insert] |
| Education/Qualifications | <i>[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]</i> [Insert] |
| Professional certifications | <i>[Provide details of professional certifications relevant to the scope of goods and/or services]</i> ▪ Name of institution: [Insert] ▪ Date of certification: [Insert] |
| Employment Record/Experience | <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] |
| References | <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.

Currency of the Bid: [Insert Currency]

Price Schedule

| No. | Description/Specifications of Goods | Unit | Unit Price | Total Price | Latest Delivery Time |
|-----|---|----------|------------|-------------|----------------------|
| 1 | Charges for installing and uninstalling the internal and external scaffoldings, decks, cranes and hoists after checking the site and identifying all the works required including: Iron rods, ties, wooden boards, ropes, marking ribbons, come-along winches, mobile/fixed cranes and hoists | Lump sum | | | |
| 2 | Charges for uninstalling the boiler's external cover next to the economizer, and thermal insulation with reinstalling them (in reverse order) including: Uninstalling the rails, pathways that hinder the work, uninstalling the electric and control equipment, uninstalling 2mm thick metal plates of an approximate area of 20m ² , cutting the gas ducts and the boiler's external cover, removing the expansion joints | Lump sum | | | |

| | | | | | |
|--|--|----------|--|--|--|
| | and the economizer's output plates | | | | |
| 3 | Charges for identifying, cutting and transferring the old coils to a suitable area on the company's premises (overall weight 60 tonnes approx.) | Lump sum | | | |
| 4 | Charges for transferring, preparing/fitting (*) and welding the new coils (31 blocks, each is made from 5-6 coils) with an overall weight of 55 tonnes approx. with accessories weighing around 4 tonnes as per the measures set by Mitsubishi Co. | Lump sum | | | |
| 5 | Charges for the x-ray imaging of all the welding positions (about 800 positions) | Lump sum | | | |
| 6 | Charges for the external mobile crane for three months (crane reaching an altitude shown in Annex 1 page 2/11) | Lump sum | | | |
| 7 | Cost of consumed items and tools including: Welding rods, argon welding, cutting drill bits, abrasive drill bits, oxygen, butane gas, welding machines, abrasive drills, bevelling machines, electric panels, lighting devices, personal protection outfits | Lump sum | | | |
| Total all-inclusive price DAP Banias Power Plant | | | | | |

Cost breakdown of consumed items and tools:

| Serial | Detail description | Qty | Unit | Unit Price | Total Price |
|--------|--|-----|------|------------|-------------|
| 1 | Varied welding rods (regular – argon) | 700 | Kg | | |
| 2 | Cutting and polishing bits | 600 | Item | | |
| 3 | High-pressure oxygen cylinder – 120 bar | 400 | Item | | |
| 4 | Butane gas cylinder – 20kg | 200 | Item | | |
| 5 | Protection outfit for the workers | 20 | Suit | | |
| 6 | Charges for welding, beveling and polishing machines and electric panels | 90 | days | | |

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]