



## **INVITATION TO BID**

**ITB-013/17**

**Supply and Delivery of Electrical Materials for Qayara Electrical  
Distribution Network - Ninewa Governorate  
IRAQ**



**United Nations Development Programme**

January, 2017



Iraq

## Section 1. Letter of Invitation

19 January 2017

**ITB-013/17**

### **Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network - Ninewa Governorate**

Dear Sir/Madam,

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:

- Section 1 – This Letter of Invitation
- Section 2 – Instructions to Bidders (including Bid Data Sheet)
- Section 3 – Schedule of Requirements and Technical Specifications
- Section 4 – Bid Submission Form
- Section 5 – Documents Establishing the Eligibility and Qualifications of the Bidder
- Section 6 – Technical Bid Form
- Section 7 – Price Schedule Form
- Section 8 – Technical Compliance Data Sheets (See Annex A attached)
- Section 9 – Bid Security Form
- Section 10 – Performance Security
- Section 11 – UNDP General Terms and Conditions for Goods

Your offer, comprising of a Technical Bid and Price Schedule, together in a sealed envelope should be submitted in accordance with Section-2 latest by 1st February 2017 on or before 1400 hours.

Email Address: [bids.iraq@undp.org](mailto:bids.iraq@undp.org).

Should you require any clarification, kindly communicate with the contact person identified in the attached Data Sheet as the focal point for queries on this ITB.

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

Yours sincerely,

Mohammedsiddig Mudawi

Operations Manager- Head of Operations Service Center

## Section 2: Instruction to Bidders

### Definitions

- a) *“Bid”* refers to the Bidder’s response to the Invitation to Bid, including the Bid Submission Form, Technical Bid and Price Schedule and all other documentation attached thereto as required by the ITB.
- b) *“Bidder”* refers to any legal entity that may submit, or has submitted, a Bid for the supply of goods and provision of related services requested by UNDP.
- c) *“Contract”* refers to the legal instrument that will be signed by and between the UNDP and the successful Bidder, all the attached documents thereto, including the General Terms and Conditions (GTC) and the Appendices.
- d) *“Country”* refers to the country indicated in the Data Sheet.
- e) *“Data Sheet”* refers to such part of the Instructions to Bidders used to reflect conditions of the tendering process that are specific for the requirements of the ITB.
- f) *“Day”* refers to calendar day.
- g) *“Goods”* refer to any tangible product, commodity, article, material, wares, equipment, assets or merchandise that UNDP requires under this ITB.
- h) *“Government”* refers to the Government of the country where the goods and related services provided/rendered specified under the Contract will be delivered or undertaken.
- i) *“Instructions to Bidders”* refers to the complete set of documents which provides Bidders with all information needed and procedures to be followed in the course of preparing their Bid
- j) *“ITB”* refers to the Invitation to Bid consisting of instructions and references prepared by UNDP for purposes of selecting the best supplier or service provider to fulfil the requirement indicated in the Schedule of Requirements and Technical Specifications.
- k) *“LOI”* (Section 1 of the ITB) refers to the Letter of Invitation sent by UNDP to Bidders.
- l) *“Material Deviation”* refers to any contents or characteristics of the bid that is significantly different from an essential aspect or requirement of the ITB, and (i) substantially alters the scope and quality of the requirements; (ii) limits the rights of UNDP and/or the obligations of the offeror; and (iii) adversely impacts the fairness and principles of the procurement process, such as those that compromise the competitive position of other offerors.
- m) *“Schedule of Requirements and Technical Specifications”* refers to the document included

in this ITB as Section 3 which lists the goods required by UNDP, their specifications, the related services, activities, tasks to be performed, and other information pertinent to UNDP's receipt and acceptance of the goods.

- n) "Services" refers to the entire scope of tasks related or ancillary to the completion or delivery of the goods required by UNDP under the ITB.

- o) “*Supplemental Information to the ITB*” refers to a written communication issued by UNDP to prospective Bidders containing clarifications, responses to queries received from prospective Bidders, or changes to be made in the ITB, at any time after the release of the ITB but before the deadline for the submission of Bid.

## A. GENERAL

1. UNDP hereby solicits Bids as a response to this Invitation to Bid (ITB). Bidders must strictly adhere to all the requirements of this ITB. No changes, substitutions or other alterations to the rules and provisions stipulated in this ITB may be made or assumed unless it is instructed or approved in writing by UNDP in the form of Supplemental Information to the ITB.
2. Submission of a Bid shall be deemed as an acknowledgement by the Bidder that all obligations stipulated by this ITB will be met and, unless specified otherwise, the Bidder has read, understood and agreed to all the instructions in this ITB.
3. Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of any Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.
4. UNDP implements a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical practices, and obstruction. UNDP is committed to preventing, identifying and addressing all acts of fraud and corrupt practices against UNDP as well as third parties involved in UNDP activities. (See [http://www.undp.org/about/transparencypdocs/UNDP\\_Anti\\_Fraud\\_Policy\\_English\\_FINAL\\_june\\_2011.pdf](http://www.undp.org/about/transparencypdocs/UNDP_Anti_Fraud_Policy_English_FINAL_june_2011.pdf) and [http://www.undp.org/content/undp/en/home/operations/procurement/procurement\\_p\\_rotest/](http://www.undp.org/content/undp/en/home/operations/procurement/procurement_p_rotest/) for full description of the policies)
5. In responding to this ITB, UNDP requires all Bidders to conduct themselves in a professional, objective and impartial manner, and they must at all times hold UNDP’s interests paramount. Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. All 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:
  - 5.1 Are, or have been associated in the past, with a firm or any of its affiliates which have been engaged UNDP to provide services for the preparation of the design, Schedule of Requirements and Technical Specifications, cost analysis/estimation, and other documents to be used for the procurement of the goods and related services in this selection process;
  - 5.2 Were involved in the preparation and/or design of the programme/project related to the goods and related services requested under this ITB; or
  - 5.3 Are found to be in conflict for any other reason, as may be established by, or at the discretion of, UNDP.

In the event of any uncertainty in the interpretation of what is potentially a conflict of interest, Bidders must disclose the condition to UNDP and seek UNDP’s confirmation on whether or not such conflict exists.

6. Similarly, the following must be disclosed in the Bid:

6.1 Bidders who are owners, part-owners, officers, directors, controlling shareholders, or key personnel who are family of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving the goods and related services under this ITB; and

6.4 Others that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices.

Failure of such disclosure may result in the rejection of the Bid.

7. 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 as an independent entity, the extent of Government ownership/share, receipt of subsidies, mandate, access to information in relation to this ITB, and others that may lead to undue advantage against other Bidders, and the eventual rejection of the Bid.

8. All Bidders must adhere to the UNDP Supplier Code of Conduct, which may be found at this link: <http://web.ng.undp.org/procurement/undp-supplier-code-of-conduct.pdf>

## **B. CONTENTS OF BID**

### **9. Sections of Bid**

Bidders are required to complete, sign and submit the following documents:

9.1 Bid Submission Cover Letter Form (see ITB Section 4);

9.2 Documents Establishing the Eligibility and Qualifications of the Bidder (see ITB Section 5);

9.3 Technical Bid (see prescribed form in ITB Section 6);

9.4 Price Schedule (see prescribed form in ITB Section 7);

9.5 Bid Security, if applicable (if required and as stated in the DS nos. 9-11, see prescribed Form in ITB Section 8). A scanned copy of this document must be attached with your proposal in the system and the original must be sent by mail. Original must arrive no later than [insert date and time];

9.6 Any attachments and/or appendices to the Bid (including all those specified under the **Data Sheet**)

### **10. Clarification of Bid**

10.1 Bidders may request clarification of any of the ITB documents no later than the number of days indicated in the **Data Sheet** (DS no. 16) prior to the Bid submission date. Any request for clarification must be sent in writing via courier or through electronic means to the UNDP address indicated in the **Data Sheet** (DS no. 17). UNDP will respond by uploading the document with the responses in the system (including an explanation of the query but without identifying the source of inquiry). After which, all Proposers who have accepted in the Invitation will be automatically alerted that such a clarification has been posted online.

10.2 UNDP shall endeavor to provide such 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 Bid, unless UNDP deems that such an extension is justified and necessary.

## 11. Amendment of Bid

- 11.1 At any time prior to the deadline for submission of Bid, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of a Supplemental Information to the ITB that will be uploaded in the system and made available to all Invited Bidders. All prospective Bidders (Bidders who have “accepted the Bid Invitation” in the system) will be notified in writing that changes have occurred through the method specified in the **Data Sheet** (DS No. 18).
- 11.2 In order to afford prospective Bidders reasonable time to consider the amendments in preparing their Bid, UNDP may, at its discretion, extend the deadline for submission of Bid, if the nature of the amendment to the ITB justifies such an extension.

## C. PREPARATION OF BID

### 12. Cost

The Bidder shall bear any and all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid was selected or not. UNDP shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.

### 13. Language

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 **Data Sheet** (DS No. 4). Any printed literature furnished by the Bidder written in a language other than the language indicated in the **Data Sheet**, must be accompanied by a translation in the preferred language indicated in the **Data Sheet**. For purposes of interpretation of the Bid, and in the event of discrepancy or inconsistency in meaning, the version translated into the preferred language shall govern. Upon conclusion of a contract, the language of the contract shall govern the relationship between the contractor and UNDP.

### 14. Bid Submission Form

The Bidder shall submit the Bid Submission Form using the form provided in Section 4 of this ITB.

### 15. Technical Bid Format and Content

Unless otherwise stated in the **Data Sheet** (DS no. 28), the Bidder shall structure the Technical Bid as follows:

- 15.1 Expertise of Firm/Organization – this section should provide details regarding management structure of the organization, organizational capability/resources, and experience of organization/firm, the list of projects/contracts (both completed and on-going, both domestic and international) which are related or similar in nature to the requirements of the ITB, manufacturing capacity of plant if Bidder is a manufacturer, authorization from the manufacturer of the goods if Bidder is not a manufacturer, and proof of financial stability and adequacy of resources to complete

the delivery of goods and provision of related services required by the ITB (see ITB



Clause 18 and DS No. 26 for further details). The same shall apply to any other entity participating in the ITB as a Joint Venture or Consortium.

- 15.2 Technical Specifications and Implementation Plan – this section should demonstrate the Bidder’s response to the Schedule of Requirements and Technical Specifications by identifying the specific components proposed; how each of the requirements shall be met point by point; providing a detailed specification and description of the goods required, plans and drawings where needed; the essential performance characteristics, identifying the works/portions of the work that will be subcontracted; a list of the major subcontractors, and demonstrating how the bid meets or exceeds the requirements, while ensuring appropriateness of the bid to the local conditions and the rest of the project operating environment during the entire life of the goods provided. Details of technical bid must be laid out and supported by an Implementation Timetable, including Transportation and Delivery Schedule where needed, that is within the duration of the contract as specified in the **Data Sheet** (DS nos. 29 and 30).

Bidders must be fully aware that the goods and related services that UNDP require may be transferred, immediately or eventually, by UNDP to the Government partners, or to an entity nominated by the latter, in accordance with UNDP’s policies and procedures. All bidders are therefore required to submit the following in their bids:

- a) A statement of whether any import or export licences are required in respect of the goods to be purchased or services to be rendered, including any restrictions in the country of origin, use or dual use nature of the goods or services, including any disposition to end users;
- b) Confirmation that the Bidder has obtained license of this nature in the past, and have an expectation of obtaining all the necessary licenses, should their bid be rendered the most responsive; and
- c) Complete documentation, information and declaration of any goods classified or may be classified as “Dangerous Goods”.

- 15.3 Management Structure and Key Personnel – This section should include the comprehensive curriculum vitae (CVs) of key personnel that will be assigned to support the implementation of the technical bid, clearly defining their roles and responsibilities. CVs should establish competence and demonstrate qualifications in areas relevant to the requirements of this ITB.

In complying with this section, the Bidder assures and confirms to UNDP that the personnel being nominated are available to fulfil the demands of the Contract during its stated full term. If any of the key personnel later becomes unavailable, except for unavoidable reasons such as death or medical incapacity, among other possibilities, UNDP reserves the right to render the Bid non-responsive. Any deliberate substitution of personnel arising from unavoidable reasons, including delay in the implementation of the project of programme through no fault of the Bidder, shall be made only with UNDP’s acceptance of the justification for substitution, and UNDP’s approval of the qualification of the replacement who shall be either of equal or superior credentials as the one being replaced.

- 15.4 Where the **Data Sheet** requires the submission of the Bid Security, the Bid Security shall be included along with the Technical Bid. The Bid Security may be forfeited by

UNDP, and reject the Bid, in the event of any or any combination of the following conditions:

- a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the **Data Sheet** (DS no. 11), or;
- b) If the Bid Security amount is found to be less than what is required by UNDP as indicated in the **Data Sheet** (DS no. 9), or;
- c) In the case the successful Bidder fails:
  - i. to sign the Contract after UNDP has awarded it;
  - ii. to comply with UNDP's variation of requirement, as per ITB Clause 35; or
  - iii. to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering effective the contract that may be awarded to the Bidder.

## 16. Price Schedule

The Price Schedule shall be prepared using the attached standard form (Section 7). It shall list all major cost components associated with the goods and related services, and the detailed breakdown of such costs. All goods and services described in the Technical Bid must be priced separately on a one-to-one correspondence. Any output and activities described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of the items or activities, as well as in the final total price of the bid.

## 17. Currencies

All prices shall be quoted in the currency indicated in the **Bid Event** (DS no. 15). However, where Bids are quoted in different currencies, for the purposes of comparison of all Bid:

- 17.1 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 Bid; and
- 17.2 In the event that the Bid found to be the most responsive to the ITB requirement is quoted in another currency different from the preferred currency as per **Bid Event** (DS no. 15), then UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.

## 18. Documents Establishing the Eligibility and Qualifications of the Bidder

18.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the forms provided under Section 5, Bidder Information Forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfactions. These include, but are not limited to the following:

- a) That, in the case of a Bidder offering to supply goods under the Contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' manufacturer or producer to supply the goods in the country of final destination;
- b) That the Bidder has the financial, technical, and production capability necessary to perform the Contract; and

- c) That, to the best of the Bidder's knowledge, it is not included in the UN 1267 List or the UN Ineligibility List, nor in any and all of UNDP's list of suspended and removed vendors.

18.2 Bids submitted by two (2) or more Bidders shall all be rejected by UNDP if they are found to have any of the following:

- 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
- f) an expert proposed to be in the bid of one Bidder participates in more than one Bid received for this ITB process. This condition does not apply to subcontractors being included in more than one Bid.

## **19. Joint Venture, Consortium or Association**

If the Bidder is a group of legal entities that will form or have formed a joint venture, consortium or association at the time of the submission of 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 joint venture jointly and severally, and this shall be duly evidenced by a duly notarized Agreement among the legal entities, which shall be submitted along 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 entities that comprise the joint venture.

After the bid has been submitted to UNDP, the lead entity identified to represent the joint venture shall not be altered without the prior written consent of UNDP. Furthermore, neither the lead entity nor the member entities of the joint venture can:

- a) Submit another Bid, either in its own capacity; nor
- b) As a lead entity or a member entity for another joint venture submitting another Bid.

The description of the organization of the joint venture/consortium/association must clearly define the expected role of each of the entity in the joint venture in delivering the requirements of the ITB, both in the bid and in the Joint Venture Agreement. All entities that comprise the joint venture shall be subject to the eligibility and qualification assessment by UNDP.

Where a joint venture is presenting its track record and experience in a similar undertaking as those required in the ITB, it should present such information in the following manner:

- a) Those that were undertaken together by the joint venture; and

- b) Those that were undertaken by the individual entities of the joint venture expected to be involved in the performance of the services defined in the ITB.

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 joint venture or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials.

If the Bid of a joint venture is determined by UNDP as the most responsive Bid that offers the best value for money, UNDP shall award the contract to the joint venture, in the name of its designated lead entity, who shall sign the contract for and on behalf of all the member entities.

## **20. Alternative Bid**

Unless otherwise specified in the **Data Sheet** (DS nos. 5 and 6), alternative bid shall not be considered. 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.

## **21. Validity Period**

21.1 Bid shall remain valid for the period specified in the **Data Sheet** (DS no. 8), commencing on the submission deadline date also indicated in the **Data Sheet** (DS no. 21). A Bid valid for a shorter period shall be immediately rejected by UNDP and rendered non-responsive.

21.2 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bid. The request and the responses shall be made in writing, and shall be considered integral to the Bid.

## **22. Bidder's Conference**

When appropriate, a Bidder's conference will be conducted at the date, time and location specified in the **Data Sheet** (DS no. 7). 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 uploaded on the system. No verbal statement made during the conference shall modify the terms and conditions of the ITB unless such statement is specifically written in the Minutes of the Conference, or issued/posted as an amendment in the form of a Supplemental Information to the ITB.

# **D. SUBMISSION AND OPENING OF BID**

## **23. Submission**

23.1 The Technical Bid and all other documents required online in the eTendering system. Bids submitted in any other form will not be accepted unless explicitly authorized by UNDP in advance.

23.2 In the unlikely and exceptional event that the Bidder encounter technical problems when submitting the proposal in the system, then the Bid can be sent via email as

instructions in Data Sheet (DS nos. 22 & 23). Bidders are however strongly advised to undertake all necessary efforts, including requesting support from UNDP, to submit the Bid through the online system. In all cases, email submissions must be authorized and accepted by UNDP prior to the submission deadline indicated. ***Bids submitted via email which do not have prior authorization by UNDP will not be accepted.***

- 23.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder accepts the General Contract Terms and Conditions of UNDP as attached hereto as Section 9.

#### **24. Withdrawal, Substitution, and Modification of Bid**

- 24.1 Bidders are expected to have sole responsibility for taking steps to carefully examine in detail the full consistency of its Bid to the requirements of the ITB, keeping in mind that material deficiencies in providing information requested by UNDP, or lack clarity in the description of goods and related services to be provided, may result in the rejection of the Bid. The Bidder shall assume any responsibility regarding erroneous interpretations or conclusions made by the Bidder in the course of understanding the ITB out of the set of information furnished by UNDP.
- 24.2 A Bidder may withdraw, substitute or modify its Bid after it has been submitted by cancelling or editing their bid in the system

#### **25. Confidentiality**

Information relating to the examination, evaluation, and comparison of Bid, 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.

Any effort by a Bidder to influence UNDP in the examination, evaluation and comparison of the Bid or contract award decisions may, at UNDP's decision, result in the rejection of its Bid.

In the event that a Bidder is unsuccessful, the Bidder may seek a meeting with UNDP for a debriefing. The purpose of the debriefing is discussing the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving the bid presented to UNDP. The content of other bid and how they compare to the Bidder's submission shall not be discussed.

### **E. EVALUATION OF BID**

#### **26. Preliminary Examination of Bid**

UNDP shall examine the Bid to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, whether or not the Bidder is in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's list of suspended and removed vendors, and whether the Bid are generally in order, among other indicators that may be used at this stage. UNDP may reject any Bid at this stage.

## **27. Evaluation of Bid**

- 27.1 The evaluation team shall review and evaluate the 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 **Data Sheet** (DS No. 25). Absolutely no changes may be made by UNDP in the criteria after all Bids have been received.
- 27.2 UNDP reserves the right to undertake a post-qualification exercise, aimed at determining, to its satisfaction the validity of the information provided by the Bidder. Such post-qualification shall be fully documented and, among those that may be listed in the **Data Sheet** (DS No.33), may include, but need not be limited to, all or any combination of the following :
- a) Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;
  - 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 any other entity that may have done business with the bidder;
  - d) Inquiry and reference checking with other previous clients on the quality of performance on on-going or previous contracts completed;
  - e) Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder;
  - f) Testing and sampling of completed goods similar to the requirements of UNDP, where available; and
  - g) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.

## **28. Clarification of Bid**

To assist in the examination, evaluation and comparison of bids, UNDP may, at its discretion, ask any Bidder to clarify its Bid.

UNDP's request for clarification and the Bidder's response shall be in writing. Notwithstanding the written communication, 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 Bid, in accordance with ITB Clause 35.

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 Bid.

## **29. Responsiveness of Bid**

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, and specifications of the ITB without material deviation, reservation, or omission.

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.

## **30. Nonconformities, Repairable Errors and Omissions**

- 30.1 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.
- 30.2 In the event when provided that the Bid is substantially responsive, the system automatically calculates the final bid prices by multiplying the unit price by the quantity.
- 30.3 The system automatically calculates the final bid prices by multiplying the unit price by the quantity. In the event when the Bidder put a quantity that is different from the quantity required, provided that the Bid is substantially responsive, UNDP will re-calculate the Bidders total price based on the correct quantity and using the unit prices offered by the Bidder. Unit prices cannot be changed:
- 30.4 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.

## **F. AWARD OF CONTRACT**

### **31. Right to Accept, Reject, or Render Non-Responsive Any or All Bid**

- 31.1 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. Furthermore, UNDP is not obligated to award the contract to the lowest price offer.
- 31.2 UNDP shall also verify, and immediately reject their respective Bid, if the Bidders are found to appear in the UN's Consolidated List of Individuals and Entities with Association to Terrorist Organizations, in the List of Vendors Suspended or Removed from the UN Secretariat Procurement Division Vendor Roster, the UN Ineligibility List, and other such lists that as may be established or recognized by UNDP policy on Vendor Sanctions. (See [http://www.undp.org/content/undp/en/home/operations/procurement/procurement\\_protest/](http://www.undp.org/content/undp/en/home/operations/procurement/procurement_protest/))

### **32. Award Criteria**

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 (See DS No. 32).

### **33. Right to Vary Requirements at the Time of Award**

At the time of award of Contract, UNDP reserves the right to vary the quantity of the goods and/or related 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.

### **34. Contract Signature**

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 of the successful Bidder to comply with the requirement of ITB Section F.3 and this provision shall 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 Bidder with the second highest rated Bid, or call for new Bid.

### **35. Performance Security**

A performance security, if required, shall be provided in the amount and form provided in Section 9 and by the deadline indicated in the **Data Sheet** (DS no. 14), as applicable. Where a Performance Security will be required, the submission of the said document, and the confirmation of its acceptance by UNDP, shall be a condition for the effectivity of the Contract that will be signed by and between the successful Bidder and UNDP.

### **36. Bank Guarantee for Advanced Payment**

Except when the interests of UNDP so require, it is the UNDP's preference to make no advanced payment(s) on contracts (i.e., payments without having received any outputs). In the event that the Bidder requires an advanced payment upon contract signature, and if such request is duly accepted by UNDP, and the said advanced payment exceeds 20% of the total Bid price, or exceed the amount of USD 30,000, UNDP shall require the Bidder to submit a Bank Guarantee in the same amount as the advanced payment.

### **37. Vendor Protest**

UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a purchase order or 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:  
<http://www.undp.org/procurement/protest.shtml>



## Instructions to Bidders

### DATA SHEET

The following data for the supply of goods and related services shall complement / supplement the provisions in the Instruction to Bidders. In the case of a conflict between the Instruction to Bidders and the Data Sheet, the provisions in the Data Sheet shall prevail.

DS No.	Cross Ref. to Instructions	Data	Specific Instructions / Requirements
1		Project Title:	<b>Funding Facility for Immediate Stabilization - FFIS</b>
2		Title of Goods/Services/Work Required:	<b>ITB-013/17 – Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network - Ninewa Governorate, Iraq</b>
3		Country:	Iraq
4	C.13	Language of the Bid:	<input checked="" type="checkbox"/> English
5	C.20	Conditions for Submitting Bid for Parts or sub-parts of the Total Requirements;	<input checked="" type="checkbox"/> Not allowed
6	C.20	Conditions for Submitting Alternative Bid	<input checked="" type="checkbox"/> <b><u>Shall not be considered.</u></b>
7	C.22	A pre-Bid conference will be held on:	N/A
8	C.21.1	Period of Bid Validity commencing on the submission date	<input checked="" type="checkbox"/> 120 days
9	B.9.5 C.15.4 b)	Bid Security	<input checked="" type="checkbox"/> Required <b>Amount: United States Dollars: Thirty Thousand Only (US\$ 30,000)</b> Issued in the name of The <b>Resident Representative, UNDP Iraq</b> . The original bid Security must be kept by the bidder to be presented at a later date upon request. Contact Person: benjamn.arthur@undp.org <b>Note: Bids without bid security will not be accepted and will not be included in the evaluation process.</b>  <b>Copy of the bid security should be submitted separately and properly marked along with the Offer.</b>
10	B.9.5	Acceptable forms of Bid Security	<input checked="" type="checkbox"/> Bank Guarantee (See Section 8 for template) <input checked="" type="checkbox"/> Any Bank-issued Check / Cashier's Check / Certified Cheque ( <b>Bank issued cheque only</b> )
11	B.9.5 C.15.4 a)	Validity of Bid Security	<input checked="" type="checkbox"/> 120 days

12		Advanced Payment upon signing of contract	<input checked="" type="checkbox"/> Not allowed
13		Liquidated Damages	<input checked="" type="checkbox"/> Will be imposed under the following conditions: Percentage of contract price per day of delay: 0.5% Max. no. of days of delay: Thirty (30) calendar days Next course of action: Thereafter the contract may be terminated;
14	F.37	Performance Security	<input checked="" type="checkbox"/> Required Amount: 10% of Total Contract Value in Form of: a. Bank guarantee OR certified cheque issued by a reputable bank (shall be in accordance with Form included in the Invitation to Bid (Section-9); b. Should be submitted within 7 days upon issuance of letter of intent/contract. c. The proceeds of the Performance Security shall be payable to UNDP as a compensation for any loss resulting from the Contractor's failure to complete its obligations under the contract. d. The Performance Security shall be denominated in the currency of the contract valid for a period of 12 months to cover defect liability period. e. If, within 12 months after the goods/system have been put into service, any defects are discovered or arise in the normal course of usage, the Supplier shall remedy the defect either by replacement or by repair; f. Upon successfully completion of Defect Liability period of 12 months and upon issuance of final completion certificate, UNDP will return the Performance Security to the bidder. Please refer to general terms and conditions clause 47.1
15	C.17 C.17.2	Preferred Currency of Bid and Method for Currency conversion	<input checked="" type="checkbox"/> <b><u>United States Dollars (US\$)</u></b>  <i>Reference date for determining UN Operational Exchange Rate: This ITB submission deadline date</i>
16	B.10.1	Deadline for submitting requests for clarifications/ questions	Three (3) days before the deadline.

17	B.10.1	Contact Details for submitting clarifications/questions <sup>1</sup>	<p>Focal Person in UNDP: Attn: Benjamin Arthur, Procurement Specialist, UNDP Erbil <a href="mailto:benjamin.arthur@undp.org">benjamin.arthur@undp.org</a> Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers</p>
18	B.11.1	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	<p><input checked="" type="checkbox"/> Direct communication to prospective Bidders by email <input checked="" type="checkbox"/> Direct communication to prospective Bidders through websites (Refer to ITB Ref No:) <a href="http://procurement-notices.undp.org/">http://procurement-notices.undp.org/</a> and <a href="https://www.ungm.org/Public/Notice">https://www.ungm.org/Public/Notice</a></p>
21	C.21.1 D.24	Deadline of Bid Submission	<p><b>Date and Time: 1st February 2017, 1400 Hours</b> <b>Note:</b> Bidders must ensure that sufficient lead time is considered in order to comply with UNDP's submission deadline. Please do not wait until last minute. If you face any issues submitting your bid at the last minute, UNDP may not be able to provide any assistance.</p>
22	D.23.2	Manner of Submitting Bid	<p><input checked="" type="checkbox"/> Electronic submission of Bid Email for submission of bids: <a href="mailto:bids.iraq@undp.org">bids.iraq@undp.org</a></p>
23	D.23.2 D.26	Conditions and Procedures for electronic submission and opening, if allowed	<p><input checked="" type="checkbox"/> <b>MANDATORY SUBJECT OF E-MAIL:</b> <b>ITB 013/17 - Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network + Company Name</b> <input checked="" type="checkbox"/> Format: PDF files only <input checked="" type="checkbox"/> Max. File Size per transmission: 5MB <input checked="" type="checkbox"/> Max. No. of transmission: no limit <input checked="" type="checkbox"/> Scan documents for Virus prior to transmission <input checked="" type="checkbox"/> No. of copies to be transmitted: 1 <input checked="" type="checkbox"/> Time Zone to be Recognized: <i>Baghdad Iraq Time / EST- 3HOURS FROM UTC.</i></p>
24		Date of Bid Opening	<p>Date and Time: <b>1st February 2017, 1500 Hours</b> In presence of UNDP authorized bid opening committee.</p>
25		Evaluation method to be used in selecting the most responsive Bid	<p><input checked="" type="checkbox"/> Non-Discretionary "Pass/Fail" Criteria on the Technical Requirements; and <input checked="" type="checkbox"/> Lowest price offer of technically qualified/responsive Bid;</p>
26	C.15.1	Required Documents that must be Submitted to Establish Qualification	<p><input checked="" type="checkbox"/> <b>Company Profile</b>, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product</p>

<sup>1</sup>This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was officially received.  
ITB-013/17, Supply and Delivery of Electrical Materials for Qayara, Ninewa Gov.

		of Bidders (In “Certified True Copy” form only)	<p>catalogues relevant to the goods/services being procured.</p> <p><input checked="" type="checkbox"/> <b>Certificate of Registration of the business</b>, including Articles of Incorporation, or equivalent document if Bidder is a corporation</p> <p><input checked="" type="checkbox"/> Bid Submission Form duly filled, signed and stamped <b>(See ITB Section 4).</b></p> <p><input checked="" type="checkbox"/> Documents Establishing the Eligibility and Qualifications of the Bidder <b>(See ITB Section 5)</b></p> <p><input checked="" type="checkbox"/> Technical Bid Form <b>(See ITB Section 6).</b></p> <p><input checked="" type="checkbox"/> Filled Price schedule <b>(See ITB Section 7);</b></p> <p><input checked="" type="checkbox"/> <b>Properly filled-in and signed Technical Compliant Data sheets attached at Annex-A</b></p> <p><input checked="" type="checkbox"/> <b>Catalogues for Transformers and Distribution Boards</b></p> <p><input checked="" type="checkbox"/> <b>Quality Certificate (e.g., ISO, etc.)</b> and/or other similar certificates, accreditations, awards and citations received for the offered Generator or by the Bidder,</p> <p><input checked="" type="checkbox"/> List and value of on-going projects with contact details;</p> <p><input checked="" type="checkbox"/> List and value of <b>similar</b> projects performed for the last 5 years, plus client’s contact details; <input checked="" type="checkbox"/> <b>Last Two Years Audited Financial Statement</b> (Income Statement and Balance Sheet) including Auditor’s Report for the <b>last three years (2014-2015-2016).</b></p>
27		Other documents that may be Submitted to Establish Eligibility	As per the evaluation criteria mentioned in the bidding document.
28	C.15	Structure of the Technical Bid and List of Documents to be Submitted	<p>Technical bid should be prepared and documents submitted as per Section 2, Clause 15 (Instruction to Bidders) and as per Section 3a (Schedule of Requirements and Technical Specifications), data listed under Section 6 Technical Bid Form and Annexes A – Detailed Technical Specifications and Requirements;</p> <p>The technical Bid should contain clear descriptions and specifications of the items being offered. These specifications must meet the standards and technical requirements of the items listed in this ITB. This should include operational and training (brochures) requirements for operators as well as all applicable warranties.</p> <p>Provided documents should be in line with Data sheet requirements</p>
29	C.15.2	Latest Expected date for commencement of Contract	2 March 2017
30	C.15.2	Maximum Expected duration of contract	<b>Anticipated delivery time is 6-8 weeks after issuance of PO/contract (This includes supply and delivery at the site.)</b>

31		UNDP will award the contract to:	<input checked="" type="checkbox"/> Only One Bidder considered technically qualified and offering lowest price for complete set of requirements.
32	F.34	Criteria for the Award and Evaluation of Bid	<p><b><u>Award Criteria</u></b></p> <p><input checked="" type="checkbox"/> Non-discretionary “Pass” or “Fail” rating on the detailed contents of the Schedule of Requirements and Technical Specifications</p> <p><input checked="" type="checkbox"/> Compliance on the following qualification requirements:</p> <p><b><u>Bid Evaluation Criteria</u></b></p> <p>Minimum <b>three</b> years of experience in supply of similar equipment/materials to the Government or national/multinational organizations</p> <p>Full Compliance of Bid to the Technical Requirements of the equipment and specifications;</p> <p>The annual average Turnover should be =&gt; US\$1 Million/-</p> <p>Warranty against defects arising from faults in design, materials and workmanship, for a period of twelve (12) months for (Transformers and Distribution Boards) from delivery date.</p> <p>Compliance with the delivery terms and conditions of <b>(6-8 weeks)</b>.</p>
33	E.29	Post qualification Actions	<p><input checked="" type="checkbox"/> Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;</p> <p><input checked="" type="checkbox"/> Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team;</p> <p><input checked="" type="checkbox"/> Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder;</p>

			<input checked="" type="checkbox"/> Inquiry and reference checking with other previous clients on the quality of performance on ongoing or previous contracts completed; <input checked="" type="checkbox"/> Testing and sampling of completed goods similar to the requirements of UNDP, where available;
34		Conditions for Determining Contract Effectivity	<input checked="" type="checkbox"/> UNDP's issuance of Purchase Order/Contract;
35		Other Information Related to the ITB	N/A

### **Section 3a: Schedule of Requirements and Technical Specifications**

The Bidder is required to prepare the Price Schedule as indicated in the Instruction to Bidders.

1. All prices/rates quoted must be exclusive of all taxes, since the UNDP is exempt from taxes as detailed in Annex II, Conditions of Contract, Section, and Clause 18.
2. The rates shall be used for the price analyses and evaluation purposes or any other requirements during the project implementation and shall be **fixed and firm** for the duration of the contract and any claim for price adjustment will not be entertained. The prices shall be inclusive of all facilities, office running cost, communication, transportation, and company overheads ....etc.
3. The price of the items in the schedules (unless otherwise indicated) include: Supply of new and best quality materials approved by the supervisor engineer, manpower, instruments and installation, purchase or hire of machines and equipment used in the execution of the work and transport materials from stored areas and whatever necessary to provide best quality workmanship required for the respective works.
4. The General Technical Specifications (GTS) of Iraq, Ministry of Electricity (MOE) - Iraq applies to all items unless otherwise stated as well as supervisor engineer instructions and approval.
5. No new items shall be added unless otherwise expressly allowed for in the Schedules.
6. Offers are expected to reflect realistic prices. Any gross deviations from the prevailing market prices or unethical manipulations may cause the offeror to be disqualified.
7. UNDP has the right to increase or decrease for any item quantity or minor modifications to the structures for the same unit price in the BOQ or to omit any item / structure considered not necessary without any compensation to the contractor.
8. Any damage resulted from defect in execution by the Contractor on the executed works during the defects liability period (one year after Substantial completion of the work) should be repaired by the contractor and at his own expense and during a week after receiving a notice in writing from UNDP. **Not Applicable**
9. If the Contractor fails to deliver the services within the time period(s) stipulated by the contract, UNDP shall, without prejudice to its other remedies under the contract, invoke Section 5: Special Conditions, Liquidated Damages.
10. All electrical materials and equipment must pass the required tests by the End-User, Directorate of Electricity Distribution in accordance to the GTS of MOE, Iraq, and approved by the supervisor engineer upon completion of the works.

## Section 3b: Related Services

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:

Delivery Terms of the Equipment	DAP
Exact Address	Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network - Ninewa Governorate DAP
Testing Requirements	All electrical materials to be supplied shall be brand new items.
Technical Support Requirements	As per the BoQs.
Duration of Contract	6-8 weeks from date of contract award /Purchase Order and includes supply and delivery to the site.
Payment Terms (max advanced payment is 20% of total price as per UNDP policy) upon receipt of Bank Guarantee	100% Payment within 30 days upon UNDP's acceptance of the works as based on written acceptance certificate of completion of works.
Conditions for Release of Payment	Satisfactory completion of supply and delivery of required materials as per the BOQs/specifications duly certified by the UNDP Project Engineer and Directorate of Ninewa Governorate as the end user.
Inspection upon delivery	Required
Testing Requirements	Required
Conditions for Release of Payment	<input checked="" type="checkbox"/> Inspection upon arrival at destination <i>Inspection by UNDP/ Focal Point and Technical experts from Stabilization Project</i> <input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements.
After-sale services required	<input checked="" type="checkbox"/> Warranty on (Transformers and Distribution Boards) for minimum period of 12 months. <input checked="" type="checkbox"/> Guarantee on manufacturing defects of the supplied equipment for 12 months. <input checked="" type="checkbox"/> Others: 1. Confirmation letter from the bidder to provide the Guarantee and Warranty cards/documents.
All documentations, including catalogs, instructions and operating manuals, shall be in this language	<input checked="" type="checkbox"/> English



## Section 4: Bid Submission Form<sup>2</sup>

***(This should be written in the Letterhead of the Bidder. Except for indicated fields, no changes may be made in this template.)***

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Insert: Location

Insert: Date

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to supply the goods and related services required for **ITB-013/17 Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network - Ninewa Governorate** in accordance with your Invitation to Bid dated Insert: bid date. We are hereby submitting our Bid, which includes the Technical Bid and Price Schedule.

We hereby declare that:

- a) All the information and statements made in this Bid are true and we accept that any misrepresentation contained in it may lead to our disqualification;
- b) We are currently not on the removed or suspended vendor list of the UN or other such lists of other UN agencies, nor are we associated with, any company or individual appearing on the 1267/1989 list of the UN Security Council;
- c) We have no outstanding bankruptcy or pending litigation or any legal action that could impair our operation as a going concern; and
- d) We do not employ, nor anticipate employing, any person who is or was recently employed by the UN or UNDP.

We confirm that we have read, understood and hereby fully accept the Schedule of Requirements and Technical Specifications describing the duties and responsibilities required of us in this ITB, and the General Terms and Conditions of UNDP's Standard Contract for this ITB.

We agree to abide by this Bid for *120 Days*.

We undertake, if our Bid is accepted, to initiate the supply of goods and provision of related services not later than the date indicated in the Data Sheet.

We fully understand and recognize that UNDP is not bound to accept this Bid, that we shall bear all costs associated with its preparation and submission, and that UNDP will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the evaluation.

We remain,

Yours sincerely,

Authorized Signature [*In full and initials*]: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Contact Details: \_\_\_\_\_

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*[please mark this letter with your corporate seal, if available]*

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<sup>2</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

## Section 5: Documents Establishing the Eligibility and Qualifications of the Bidder

### Bidder Information Form<sup>3</sup>

Date: *[insert date (as day, month and year) of Bid Submission]*

ITB No.: *[insert number of bidding process]*

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>		
2. In case of Joint Venture (JV), legal name of each party: <i>[insert legal name of each party in JV]</i>		
3. Actual or intended Country/ies of Registration/Operation: <i>[insert actual or intended Country of Registration]</i>		
4. Year of Registration in its Location: <i>[insert Bidder's year of registration]</i>		
5. Countries of Operation	6. No. of staff in each Country	7. Years of Operation in each Country
8. Legal Address/es in Country/ies of Registration/Operation: <i>[insert Bidder's legal address in country of registration]</i>		
9. Value and Description of Top three (3) Biggest Contract for the past five (5) years		
10. Latest Credit Rating (Score and Source, if any)		
11. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved.		
12. Bidder's Authorized Representative Information  Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>		
13. Are you in the UNPD List 1267.1989 or UN Ineligibility List? <input type="checkbox"/> YES or <input type="checkbox"/> NO		
14. Attached are copies of original documents of:  <div style="margin-left: 20px;"> <input type="checkbox"/> All eligibility document requirements listed in the Data Sheet   <input type="checkbox"/> If Joint Venture/Consortium – copy of the Memorandum of Understanding/Agreement or Letter of Intent to form a JV/Consortium, or Registration of JV/Consortium, if registered   <input type="checkbox"/> If case of Government corporation or Government-owned/controlled entity, documents establishing legal and financial autonomy and compliance with commercial law.         </div>		

<sup>3</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, no alterations to its format shall be permitted and no substitutions shall be accepted.

# Joint Venture Partner Information Form (if Registered)<sup>4</sup>

Date: *[insert date (as day, month and year) of Bid Submission]*

ITB No.: *[insert number of bidding process]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>		
2. JV's Party legal name: <i>[insert JV's Party legal name]</i>		
3. JV's Party Country of Registration: <i>[insert JV's Party country of registration]</i>		
4. Year of Registration: <i>[insert Party's year of registration]</i>		
5. Countries of Operation	6. No. of staff in each Country	7. Years of Operation in each Country
8. Legal Address/es in Country/ies of Registration/Operation: <i>[insert Party's legal address in country of registration]</i>		
9. Value and Description of Top three (3) Biggest Contract for the past five (5) years		
10. Latest Credit Rating (if any) : <a href="#">Click here to enter text.</a>		
1. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved. <a href="#">Click here to enter text.</a>		
13. JV's Party Authorized Representative Information Name: <i>[insert name of JV's Party authorized representative]</i> Address: <i>[insert address of JV's Party authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i> Email Address: <i>[insert email address of JV's Party authorized representative]</i>		
14. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> All eligibility document requirements listed in the Data Sheet <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2. <input type="checkbox"/> In case of government owned entity, documents establishing legal and financial autonomy and compliance with commercial law.		

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<sup>4</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, No alterations to its format shall be permitted and no substitutions shall be accepted.

## Section 6: Technical Bid Form<sup>5</sup>

### ITB-013/16 Supply and Delivery of Electrical Materials for Qayara Electrical Distribution Network - Ninewa Governorate

<b>Name of Bidding Organization / Firm:</b>	
<b>Country of Registration:</b>	
<b>Name of Contact Person for this Bid:</b>	
<b>Address:</b>	
<b>Phone / Fax:</b>	
<b>Email:</b>	

#### SECTION 1: EXPERTISE OF FIRM/ ORGANISATION

*This section should fully explain the Bidder's resources in terms of personnel and facilities necessary for the performance of this requirement.*

**1.1 Brief Description of Bidder as an Entity:** Provide a brief description of the organization / firm submitting the Bid, its legal mandates/authorized business activities, the year and country of incorporation, and approximate annual budget, etc. Include reference to reputation, or any history of litigation and arbitration in which the organisation / firm has been involved that could adversely affect or impact the delivery of goods and/or performance of related services, indicating the status/result of such litigation/arbitration.

**1.2. Financial Capacity:** Based on the latest Audited Financial Statement (Income Statement and Balance Sheet) describe the financial capacity (liquidity, stand-by credit lines, etc.) of the bidder to engage into the contract. Include any indication of credit rating, industry rating, etc.

**1.3. Track Record and Experiences:** Provide the following information regarding corporate experience within at least the last five (5) years which are related or relevant to those required for this Contract.

Name of project	Client	Contract Value	Period of activity	Types of activities undertaken	Status or Date Completed	References Contact Details (Name, Phone, Email)

#### SECTION 2 - SCOPE OF SUPPLY, TECHNICAL SPECIFICATIONS, AND RELATED SERVICES

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

<sup>5</sup> Technical Bids not submitted in this format may be rejected.

**2.1. Scope of Supply:** Please provide a detailed description of the goods to be supplied, indicating clearly how they comply with the technical specifications required by the ITB (see below table); describe how the organisation/firm will supply the goods and any related services, keeping in mind the appropriateness to local conditions and project environment.

Item No.	Description/ Specification of Goods	Source/ Manufacturer	Country of Origin	Qty.	Quality Certificate/ Export Licenses, etc. (indicate all that applies and if attached)
Please fill here	Please fill here	Please fill here	Please fill here	Please fill here	Please fill here

*A supporting document with full details may be annexed to this section*

**2.2. Technical Quality Assurance Mechanisms:** The bid shall also include details of the Bidder's internal technical and quality assurance review mechanisms, all the appropriate quality certificates, export licenses and other documents attesting to the superiority of the quality of the goods and technologies to be supplied.

**2.3. Reporting and Monitoring:** Please provide a brief description of the mechanisms proposed for this project for reporting to the UNDP and partners, including a reporting schedule.

**2.4. Subcontracting:** Explain whether any work would be subcontracted, to whom, how much percentage of the work, the rationale for such, and the roles of the proposed sub-contractors. Special attention should be given to providing a clear picture of the role of each entity and how everyone will function as a team.

**2.5. Risks / Mitigation Measures:** Please describe the potential risks for the implementation of this project that may impact achievement and timely completion of expected results as well as their quality. Describe measures that will be put in place to mitigate these risks.

**2.6 Implementation Timelines:** The Bidder shall submit a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.

**2.7. Partnerships (Optional):** Explain any partnerships with local, international or other organizations that are planned for the implementation of the project. Special attention should be given to providing a clear picture of the role of each entity and how everyone will function as a team. Letters of commitment from partners and an indication of whether some or all have successfully worked together on other previous projects is encouraged.

**2.8. Anti-Corruption Strategy (Optional):** Define the anti-corruption strategy that will be applied in this project to prevent the misuse of funds. Describe the financial controls that will be put in place.

**2.9 Statement of Full Disclosure:** This is intended to disclose any potential conflict in accordance with the definition of "conflict" under Section 4 of this document, if any.

**2.10 Other:** Any other comments or information regarding the bid and its implementation.

### SECTION 3: PERSONNEL

**3.1 Management Structure:** Describe the overall management approach toward planning and implementing the contract. Include an organization chart for the management of the contract, if awarded.

**3.2 Staff Time Allocation:** Provide a spreadsheet will be included to show the activities of each personnel involved in the implementation of the contract. Where the expertise of the personnel is critical to the success of the contract, UNDP will not allow substitution of personnel whose qualifications had been reviewed and accepted during the bid evaluation. (If substitution of such a personnel is unavoidable, substitution or replacement will be subject to the approval of UNDP. No increase in costs will be considered as a result of any substitution).

**3.3 Qualifications of Key Personnel.** Provide the CVs for key personnel (Team Leader, Managerial and general staff) that will be provided to support the implementation of this project. CVs should demonstrate qualifications in area of expertise relevant to the Contract. Please use the format below:

<b>Name:</b>		
<b>Role in Contract Implementation:</b>		
<b>Nationality:</b>		
<b>Contact information:</b>		
<b>Countries of Relevant Work Experience:</b>		
<b>Language Skills:</b>		
<b>Education and other Qualifications:</b>		
<b>Summary of Experience:</b> <i>Highlight experience in the region and on similar projects.</i>		
<b>Relevant Experience (From most recent):</b>		
<b>Period: From – To</b>	<b>Name of activity/ Project/ funding organization, if applicable:</b>	<b>Job Title and Activities undertaken/Description of actual role performed:</b>
<i>e.g. June 2010-January 2011</i>		
<i>Etc.</i>		
<i>Etc.</i>		
<b>References (minimum of 3):</b>	<i>Name</i> <i>Designation</i> <i>Organization</i> <i>Contact Information – Address; Phone; Email; etc.</i>	
<b>Declaration:</b>		
<p>I confirm my intention to serve in the stated position and present availability to serve for the term of the proposed contract. I also understand that any willful misstatement described above may lead to my disqualification, before or during my engagement.</p> <p>_____</p> <p>Signature of the Nominated Team Leader/Member</p>		
		Date Signed

## Section 7: Price Schedule Form<sup>6</sup>

The Bidder is required to prepare the Price Schedule as indicated in the Instruction to Bidders.

The Price Schedule must provide 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.

The format shown on the following pages is suggested for use as a guide in preparing the Price Schedule. The format includes specific expenditures, which may or may not be required or applicable but are indicated to serve as examples.

### Bills of Quantity (BoQ)

**ITB 188/16 - Supply Electrical Materials to the Electricity Network of Al Qayara Sub-district/  
Ninwa Governorate**

No	Item Description	Unit	Qty	Unit Price USD	Total Price in USD
1	Supply New Distributer Transformer 11/0.416 kV with power 400 KVA according to the technical specifications in attached Annex D-26.	EA	35		
	تجهيز محولة توزيع Electrical Transformer جهد 11 / 0.416kv وسعة 400 KVA ذات منشأ جيد معتمد وبموجب المواصفة الفنية المواصفات الفنية والمخططات الواردة بالملاحق الفنية المرفقة (A).				
2	Supply New Distributer Transformer 11/0.416 kV with power 250 kVA according to specifications in attached Annex D-26.	EA	25		
	تجهيز محولة توزيع Electrical Transformer جهد 11 / 0.416kv وسعة 250 KVA ذات منشأ جيد معتمد وبموجب المواصفة الفنية والمخططات الواردة بالملاحق الفنية المرفقة (A).				
3	Supply New Electrical Galvanized Circular Steel Pole , length 11m for high voltage compatible with Iraqi MoE technical specification and according to technical details mentioned in attached Annex (D-22 )	EA	50		



	تجهيز أعمدة حديدية مدورة مغلونة طول 11متر وسمك mm5.5 للضغط العالي نوعية جيدة بموجب المواصفات الفنية المعتمدة لوزارة الكهرباء العراقية وبموجب الملاحق الفنية المرفقة (D22).				
4	Supply New Electrical Galvanized Lattice Steel Pole, length 11m for high voltage compatible according to MOE Iraqi technical specifications (D-46).	EA	20		
	تجهيز عمود مشبك حديدي طول 11متر للضغط العالي نوعية جيدة بموجب المواصفات الفنية والتفاصيل المذكورة في الملحق الفني المرفق (D-46).				
5	Supply New Electrical Galvanized Circular Steel Pole, length 9m for low voltage compatible according to MOE Iraqi technical specifications (D-22).	EA	50		
	تجهيز أعمدة حديدية مدورة مغلونة للضغط الواطئ بطول 9متر وسمك mm5.5 نوعية جيدة بموجب المواصفات الفنية المعتمدة لوزارة الكهرباء العراقية وموافقة اللجنة المشرفة الملحق الفني المرفق (D22).				
6	Supply New Electrical Galvanized Lattice Steel Pole, length 9m for low voltage compatible with technical specification and details mentioned in attached Annex (D-46).	EA	15		
	تجهيز عمود مشبك حديدي طول 9 متر للضغط الواطئ وبسمك ملم من منشأ جيدة بموجب المواصفات الفنية المعتمدة المذكورة في الملاحق الفنية المرفقة (D-46).				
7	Supply ACSR Wire (Aluminum) 120/20 mm2 according to MOE Iraqi technical specifications (D-47).	ML	20000		
	تجهيز سلك المنيوم حجم 20/120 ملم2 نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (D47).				
8	Supply AAC Wire (Aluminum) size 95 mm2 according to MOE Iraqi technical specifications (D-47).	ML	30000		
	تجهيز سلك المنيوم حجم 95 ملم2 نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (D47).				
9	Supply Cable (1x95)mm2 Copper according to MOE Iraqi technical specifications (D-4)	ML	10000		

	تجهيز قابلو (1*95) ملم 2 نحاس من القاطع الى الشبكة نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (D-4).				
10	Supply Single Core Cable 150 mm2 Copper type according to MOE Iraqi technical specifications D-4.	ML	3000		
	تجهيز قابلو سنكل كور 150 ملم 2 نوعية جيدة وبموجب المواصفات الفنية				
11	Supply Single Core Cable 120 mm2 Copper type according to MOE Iraqi technical specifications D-4.	ML	3000		
	تجهيز قابلو سنكل كور 120 ملم 2 نوعية جيدة وبموجب المواصفات الفنية				
12	Supply Single Core Cable 50 mm2 Copper type according to MOE Iraqi technical specifications D-4.	ML	2000		
	تجهيز قابلو سنكل كور 50 ملم 2 نوعية جيدة وبموجب المواصفات الفنية				
13	Supply new Transformer Distribution Board including Circuit breaker 400 Amp with accessories according to MOE Iraqi technical specifications D-09 and shown in detailed Drawing.	EA	200		
	تجهيز قاطع دورة 400 أمبير مع الصندوق نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملحق الفني المرفق (4) وكما موضح بالمخطط المرفق (1)				
14	Supply new Transformer Distribution Board including Circuit breaker 250 Amp with accessories according to MOE Iraqi technical specifications D-09 and shown in detailed Drawing.	EA	200		
	تجهيز قاطع دورة 250 أمبير مع الصندوق نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملحق الفني المرفق (4) وكما موضح بالمخطط المرفق (1)				
15	Supply load break Switches (33kV) according to MOE Iraqi technical Specification No D-41	EA	2		
	تجهيز Load break Switch جهد 33 كي في نوعية جيدة ومطابق للمواصفات الفنية العراقية				
16	Supply load break Switches (11kV) according to MOE Iraqi technical Specification No D-41	EA	40		

	تجهيز Load Switch جهد 11 كي في نوعية جيدة ومطابق للمواصفات الفنية العراقية				
17	Supply H.V Pin Insulator 33 KV with Spindle according to MOE Iraqi technical Specification No D-24	EA	500		
	تجهيز عازل ضغط عالي فنجان مع الأسبندل 33 كي في نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (D-24).				
18	Supply H.V Pin Insulator 11KV with Spindle according to MOE Iraqi technical Specification No D-24	EA	1000		
	تجهيز عازل ضغط عالي فنجان مع الأسبندل 11 كي في نوعية جيدة وبموجب المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (D-24).				
19	Supply L.V shackle Insulator according to MOE Iraqi technical Specification No D-24	EA	1000		
	تجهيز عازل ضغط واطيء مع الملحقات نوعية جيدة ومطابق للمواصفات الفنية العراقية				
20	Supply Line Taps (Aluminum-Copper)	EA	1000		
	تجهيز لاين تابس (المنيوم-نحاس) نوعية جيدة ومطابق للمواصفات الفنية العراقية				
21	Supply Line Taps (Aluminum-Aluminum)	EA	750		
	تجهيز لاين تابس (المنيوم-المنيوم) نوعية جيدة ومطابق للمواصفات الفنية العراقية				
22	Supply new Cable terminal (lugs) size 150 mm2 according and compatible with MoE technical specification.	EA	1000		
	تجهيز كابل ثمل قياس 150 ملم2 نوعية جيدة ومطابق للمواصفات الفنية لوزارة الكهرباء العراقية.				
23	Supply new Cable terminal (lugs) size 120 mm2 according and compatible with MoE technical specification.	EA	1000		
	تجهيز كابل ثمل قياس 120 ملم2 نوعية جيدة ومطابق للمواصفات الفنية لوزارة الكهرباء العراقية.				
24	Supply new Cable terminal (lugs) size 50 mm2 according and compatible with MoE technical specification.	EA	500		
	تجهيز كابل ثمل قياس 50 ملم2 نوعية جيدة ومطابق للمواصفات الفنية لوزارة الكهرباء العراقية.				

25	Supply new Expulsion Fuse Cut-Out with suitable fuse link 20 Amp for Transformer 250KV compatible with the MOE technical specification and details mentioned in attached Annexe D-25.	EA	100		
	تجهيز كتاوت مع فيوز لينك 20 امبير (طخم) مطابق المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (7) وموافقة اللجنة المشرفة على العمل .				
26	Supply new Expulsion Fuse Cut-Out with suitable fuse link 40 Amp for Transformer 400KV compatible with the MOE technical specification and details mentioned in attached Annexe D-25.	EA	140		
	تجهيز كتاوت مع فيوز لينك 40 امبير (طخم) مطابق المواصفات الفنية المذكورة في الملاحق الفنية المرفقة (7) وموافقة اللجنة المشرفة على العمل .				
Total Cost in US Dollars					

#### ADDITIONAL IMPORTANT INFORMATION:

Completion Period: 6-8 weeks

Agree: Yes

☐

No

☐

Warranty period: One Year from the date of receipt of items for the Transformers, load break switches, all insulators, expulsion fuse cutouts and Distribution Boards

Agree: Yes

☐

No

☐

Materials supplied are brand new and never used before

Agree: Yes

☐

No

☐

DAP Delivery INCOTERMS

Agree: Yes

☐

No

☐

<sup>5</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

Brand of Transformer: \_\_\_\_\_

Brand of load break switches: \_\_\_\_\_

Brand of insulators: \_\_\_\_\_

Brand of expulsion fuse cutouts: \_\_\_\_\_

Brand of Distribution Boards: \_\_\_\_\_

**Name of Bidder:** \_\_\_\_\_

**Authorized signature:** \_\_\_\_\_

**Name of authorized signatory:** \_\_\_\_\_

Official E-mails of the Company: \_\_\_\_\_

Company official Stamp:

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

## **SECTION 8: Annex-A TECHNICAL COMPLIANCE SHEET**

**The following Technical data shall be furnished and filled by the bidders:**

**Table 1: Distribution Transformer 11/0.416 kV 400 KVA**

No	Description	UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer		
3	Type:	Oil-immersed hermetically sealed - bolted type	
4	Country of origin		
5	Reference standard	IEC 60076-1, 2,3,5,8, IEC 60214, IEC 60137	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Number of poles	3	
10	Indoor or outdoor	Outdoor	
11	Highest system voltage	12 kV	
12	Short circuit current on 11 kV side	25 KA	
13	Short circuit current on LV side		kA
14	11 kV system earthing	Neutral isolated / earthed through a resistor	
15	Low voltage side earthing	Neutral solidly earthed	
16	Voltage Ratio	11/0.416 KV	
17	Type of cooling	ONAN	
18	Rated power - Continuous	400 kVA	
19	Rated Frequency	50Hz	
20	Altitude:	1000M above MSL	
21	Impedance voltage at 75 deg at nominal tap	4%	
22	Nominal Voltage of winding a) H.V.	11 kV	
	b) L.V	0.416 kV	
23	Insulation level 11 kV a) Lightning Impulse	75 kV	
	b) AC power frequency	28 kV	

24	Insulation level LV -phases/neutral AC power frequency	3 V	
25	Short circuit withstand capacity of transformer	.....KA for .....seconds	
26	Winding temperature rise at rated power	50 C	
27	Top oil temperature rise at rated power	45 C	
28	No load loss	.....KW	
29	Load loss at full load at 75 deg temperature	.....KW	
30	Guaranteed magnetizing current	.....A	
31	Maximum flux density in iron at rated frequency and at rated voltage ratio at nominal voltage	≤ 1.65 Tesla	
32	Maximum current density in windings at rated power a) H.V. winding b) L.V. winding		
33	Zero sequence impedance		
34	No load current at rated voltage	...A	
35	Material of windings	Copper	
36	Type of winding a) H.V. b) L.V.		
37	Type of insulation of winding a) H.V. b) L.V.		
38	Type of insulation of a) Core assembly b) Core laminations		
39	Thickness of transformer a) tank b) sides	Minimum 3 mm Minimum 3 mm	

	c) bottom	Minimum 3 mm	
40	Thickness of radiator plates and for cooling tube	..... mm	
41	Winding connection a) H.V.  b) L.V.	Delta  Star (Neutral brought out)	
42	Vector group symbol	Dyn11	
43	Type of core		
44	Core sheet materials		
45	Tap changer	Off-load tap changer with 5 positions in the HV winding giving $\pm 2 \times 2.5 \%$ .	
46	11 kV side terminal arrangement	Clamp type for terminating up to 150 mm <sup>2</sup> copper conductor	
47	Low voltage terminal arrangement	Suitable for terminating copper cables of cross section area 7x1x 150 mm <sup>2</sup> copper (two holes per phase )	
48	Test pressure of oil leak test of tank		
49	Noise level at 0.3 m distance		
50	Transformer oil		
1	Type of oil	IEC60296 class 1	
2	Manufacturer		
3	Place of manufacture		
4	Manufactruer's type designation		
5	Applied IEC standard	IEC 60296	
6	Kinematic viscosity mm <sup>2</sup> /s		
	At 40 deg	$\leq 16.5$	
	At -15 deg	$\leq 800$	



7	Flash point	$\geq 140\text{ C}$	
8	Pour point	$\leq - 30\text{ C}$	
9	Density at 20 deg C – kg/dm <sup>3</sup>	$\leq 0.895$	
10	Breakdown strength	kV	
11	Dielectric dissipation factor		
51	Dimensions of transformer – maximum	L1400 ( mm) x W 1000 (mm) x H 1400(mm)	
52	Weight of transformer	Kg	
53	Type of corrosion protection on steel parts a) Inside tank  b) Outside tank	Oil resistant paint  Metalized, aluminium paint or equivalent	
54	11 kV bushings		
54-1	Name of manufacturer		
54-2	Make/Brand/Model:		
54-3	Reference standard	IEC 60137	
54-4	Type of bushing		
54-5	Rated current	A	
54-6	Rated voltage	KV	
54-7	Material	Porcelain	
54-8	Color	Brown	
54-9	Creepage distance		
55	L V bushings		
55-1	Name of manufacturer		
55-2	Make/Brand/Model:		
55-3	Reference standard	IEC 60137	
55-4	Type of bushing		

55-5	Rated current	A	
55-6	Rated voltage	KV	
55-7	Material	Porcelain	
55-8	Color	Brown	
55-9	Creepage distance		
56	Warranty period	One year	
<b>57</b>	<b>Submit Manufacturer certification:</b>		
<b>58</b>	<b>Submit type test certificates or reports :</b>		
<b>59</b>	<b>Submit Detail drawings, brochures and catalogues:</b>		

<b>2-Distribution Transformer 11/0.416 kV 250 KVA</b>			
<b>No</b>	<b>Description</b>	<b>UNDP required specifications</b>	<b>Offered specification</b>
1	Make/Brand/Model:		
2	Name of manufacturer		
3	Type:	Oil-immersed hermetically sealed - bolted type	
4	Country of origin		
5	Reference standard	IEC 60076-1, 2,3,5,8, IEC 60214, IEC 60137	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Number of poles	3	
10	Indoor or outdoor	Outdoor	
11	Highest system voltage	12 kV	
12	Short circuit current on 11 kV side	25 KA	
13	Short circuit current on LV side		KA
14	11 kV system earthing	Neutral isolated / earthed through a resistor	

15	Low voltage side earthing	Neutral solidly earthed	
16	Voltage Ratio	11/0.416 KV	
17	Type of cooling	ONAN	
18	Rated power - Continuous	250 kVA	
19	Rated Frequency	50Hz	
20	Altitude:	1000M above MSL	
21	Impedance voltage at 75 deg at nominal tap	4%	
22	Nominal Voltage of winding a) H.V.	11 kV	
	b) L.V	0.416 kV	
23	Insulation level 11 kV a) Lightning Impulse  b) AC power frequency	75 kV  28 kV	
24	Insulation level LV -phases/neutral AC power frequency	3 V	
25	Short circuit withstand capacity of transformer	.....KA for .....seconds	
26	Winding temperature rise at rated power	50 C	
27	Top oil temperature rise at rated power	45 C	
28	No load loss in	.....KW	
29	Load loss at full load at 75 deg temperature	.....KW	
30	Guaranteed magnetizing current	.....A	
31	Maximum flux density in iron at rated frequency and at rated voltage ratio at nominal voltage	$\leq 1.65$ Tesla	

32	Maximum current density in windings at rated power a) H.V. winding b) L.V. winding		
33	Zero sequence impedance		
34	No load current at rated voltage	...A	
35	Material of windings	Copper	
36	Type of winding a) H.V. b) L.V.		
37	Type of insulation of winding a) H.V. b) L.V.		
38	Type of insulation of a) Core assembly b) Core laminations		
39	Thickness of transformer a) tank b) sides c) bottom	Minimum 3 mm Minimum 3 mm Minimum 3 mm	
40	Thickness of radiator plates and for cooling tube	..... mm	
41	Winding connection a) H.V. b) L.V.	Delta Star (Neutral brought out)	
42	Vector group symbol	Dyn11	
43	Type of core		
44	Core sheet materials		
45	Tap changer	Off-load tap changer with 5 positions in the HV winding giving $\pm 2 \times 2.5 \%$ .	
46	11 kV side terminal arrangement	Clamp type for terminating up to 150 mm <sup>2</sup> copper conductor	

47	Low voltage terminal arrangement	Suitable for terminating copper cables of cross section area 6x1x95+1x70 mm <sup>2</sup> ( 1 hole per phase )	
48	Test pressure of oil leak test of tank		
49	Noise level at 0.3 m distance		
50	Transformer oil		
1	Type of oil	IEC60296 class 1	
2	Manufacturer		
3	Place of manufacture		
4	Manufacturer's type designation		
5	Applied IEC standard	IEC 60296	
6	Kinematic viscosity mm <sup>2</sup> /s		
	At 40 deg	≤ 16.5	
	At -15 deg	≤ 800	
7	Flash point	≥ 140 C	
8	Pour point	≤ - 30 C	
9	Density at 20 deg C – kg/dm <sup>3</sup>	≤ 0.895	
10	Breakdown strength	kV	
11	Dielectric dissipation factor		
51	Dimensions of transformer	L 1230 ( mm) x W 700.(mm) x H 1300.(mm)	
52	Weight of transformer	Kg	
53	Type of corrosion protection on steel parts a) Inside tank  b) Outside tank	Oil resistant paint  Metalized, aluminum paint or equivalent	

54	11 kV bushings		
54-1	Name of manufacturer		
54-2	Make/Brand/Model:		
54-3	Reference standard	IEC 60137	
54-4	Type of bushing		
54-5	Rated current	A	
54-6	Rated voltage	KV	
54-7	Material	Porcelain	
54-8	Color	Brown	
54-9	Creepage distance		
55	L V bushings		
55-1	Name of manufacturer		
55-2	Make/Brand/Model:		
55-3	Reference standard	IEC 60137	
55-4	Type of bushing		
55-5	Rated current	A	
55-6	Rated voltage	KV	
55-7	Material	Porcelain	
55-8	Color	Brown	
55-9	Creepage distance		
56	Warranty period	One year	
57	<b>Submit Manufacturer certification:</b>		
58	<b>Submit type test certificates or reports:</b>		
59	<b>Submit Detail drawings, brochures and catalogues:</b>		

### 3-Tubular Steel Poles 11 m for 11 kV

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Ambient temperature:	Maximum:55/C Minimum: -10/C	
5	Air humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Nominal voltage:	11 KV	
8	Reference standard	BS, JIS, DIN or equivalent standard	
9	Properties of steel		
9-1	Type of steel used		
9-2	Tensile strength -min	Kgf/mm2	
9-3	Yield strength –min	Kgf/mm2	
9-4	Design bending stress- min	Kgf/mm2	
10	Effective length of pole	11m	
11	Weight	Kg	
12	Wall thickness		
12-1	Bottom section	Mm	
12-2	Middle section	Mm	

12-3	Top section	Mm	
13	Lengths of sections		
13-1	Bottom section	5500 mm	
13-2	Middle section	3000 mm	
13-3	Top section	2500 mm	
14	Outside diameter of sections		
14-1	Bottom section	165 mm	
14-2	Middle section	139 mm	
14-3	Top section	114 mm	
15	Manufacturing method (swaged/welded)		
16-1	Working load ( Ps)	Kgf 285	
16-2	Deflection at (Pp )		
16-3	Breaking load ( Pb)	kgf	
16-4	Factor of safety		
17	Type of corrosion prevention system used	Hot dip galvanized	
18	<b>Submit Manufacturer certification:</b>		
19	<b>Submit type test certificates or reports :</b>		
20	<b>Submit Detail drawings, brochures and catalogues:</b>		

#### 4-Lattice Steel Poles 11 m for 11 kV

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	



2	Name of manufacturer		
3	Country of origin		
4	Ambient temperature:	Maximum:55/C Minimum: -10/C	
5	Air humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Nominal voltage:	11 KV	
8	Reference standard	BS, JIS, DIN or an equivalent standard	
9	Properties of steel		
9-1	Type of steel used		
9-2	Tensile strength -min	Kgf/mm2	
9-3	Yield strength –min	Kgf/mm2	
9-4	Design bending stress- min	Kgf/mm2	
10	Effective length of pole	11m	
11	Weight	Kg	
12-1	Working load ( Ps)	Kgf 700	
12-2	Deflection at (Pp )		
12-3	Breaking load ( Pb)	kgf	
12-4	Factor of safety		
13	Type of corrosion prevention system used	Hot dip galvanized	
14	Manufacturing	Confirmation that the lattice pole shall be manufactured as per the Specification No. D 46 and the drawing attached to the specification	Yes /No
15	Submit Manufacturer certification:		

16	Submit type test certificates or reports :		
15	Submit Detail drawings, brochures and catalogues:		

#### 5-Tubular Steel Poles 9 m for LV

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Ambient temperature:	Maximum:55/C Minimum: -10/C	
5	Air humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Nominal voltage:	400V	
8	Reference standard	BS, JIS, DIN or equivalent standard	
9	Properties of steel		
9-1	Type of steel used		
9-2	Tensile strength -min	Kgf/mm2	
9-3	Yield strength –min	Kgf/mm2	
9-4	Design bending stress- min	Kgf/mm2	

10	Effective length of pole	9m	
11	Weight	Kg	
12	Wall thickness		
12-1	Bottom section	mm	
12-2	Middle section	mm	
12-3	Top section	mm	
13	Lengths of sections		
13-1	Bottom section	4700 mm	
13-2	Middle section	2300 mm	
13-3	Top section	2000 mm	
14	Outside diameter of sections		
14-1	Bottom section	139 mm	
14-2	Middle section	114 mm	
14-3	Top section	89 mm	
15	Manufacturing method (swaged/welded)		
16-1	Working load ( Ps)	Kgf 210	
16-2	Deflection at (Pp )		
16-3	Breaking load ( Pb)	kgf	
16-4	Factor of safety		
17	Type of corrosion prevention system used	Hot dip galvanized	

18	Submit Manufacturer certification:		
19	Submit type test certificates or reports :		
20	Submit Detail drawings, brochures and catalogues:		

#### 6-Lattice Steel Poles 9 m for LV

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Ambient temperature:	Maximum:55/C Minimum: -10/C	
5	Air humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Nominal voltage:	400 V	
8	Reference standard	BS, JIS, DIN or an equivalent standard	
9	Properties of steel		
9-1	Type of steel used		
9-2	Tensile strength -min	Kgf/mm2	
9-3	Yield strength –min	Kgf/mm2	
9-4	Design bending stress- min	Kgf/mm2	
10	Effective length of pole	9m	
11	Weight	Kg	

12-1	Working load ( Ps)	Kgf 700	
12-2	Deflection at (Pp )		
12-3	Breaking load ( Pb)	kgf	
12-4	Factor of safety		
13	Type of corrosion prevention system used	Hot dip galvanized	
14	Manufacturing	Confirmation that the lattice pole shall be manufactured as per the Specification No. D 46 and the drawing attached to the specification	Yes /No
15	<b>Submit Manufacturer certification:</b>		
16	<b>Submit type test certificates or reports :</b>		
17	<b>Submit Detail drawings, brochures and catalogues:</b>		

**7—ACSR Conductor (120/20 mm2):**

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Reference standards	IEC/ BS/DIN (48204)	
5	Ambient temperature:	Maximum:55/C Minimum: -10/C	
6	Air humidity:	92% maximum	
7	Altitude:	1000M above MSL	

8	Number and diameter of stranding Aluminium/Steel Aluminium Steel	26/2.44mm 7/1.9mm	
9	Over all diameter	mm	
10	Cross section area	mm <sup>2</sup>	
11	Rated / ultimate tensile strength ( UTS ) – kg	kg	
12	Weight , kg/km	kg	
13	DC resistance , ohms/km at 20 deg C	ohms	
14	Modulus of Elasticity of stranded conductor kg/mm <sup>2</sup>		
15	Coefficient of linear expansion of stranded conductor , per deg C		
16	Maximum continuous load current at 55 deg outdoor temperature	A	
17	Maximum length of conductor and mass of conductor per drum	m kg	
18	<b>Submit Manufacturer certification:</b>		
19	<b>Submit type test certificates or reports :</b>		
20	<b>Submit Detail drawings, brochures and catalogues:</b>		

#### 8- AAC Conductor (95 mm<sup>2</sup>):

No	Description	UNDP specifications	Offered specification
1	Make:	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Reference standards AAC	IEC 61089 / DIN (48201)	
5	Ambient temperature:	Maximum:55/C Minimum: -10/C	

6	Air humidity:	92% maximum	
7	Altitude:	1000M above MSL	
8	Number and diameter of stranding Aluminium	19/2.5mm	
9	Over all diameter	mm	
10	Cross section area	mm <sup>2</sup>	
11	Rated / ultimate tensile strength ( UTS ) – Kg	kg	
12	Weight , kg/km	kg	
13	DC resistance , ohms/km at 20 deg C	ohms	
14	Modulus of Elasticity of stranded conductor kg/mm <sup>2</sup>		
15	Coefficient of linear expansion of stranded conductor , per deg C		
16	Assumed maximum continuous load current A	A	
17	Maximum length of conductor and mass of conductor per drum	M kg	
18	<b>Submit Manufacturer certification:</b>		
19	<b>Submit type test certificates or reports :</b>		
20	<b>Submit Detail drawings, brochures and catalogues:</b>		

#### 9-Low Voltage Power Cables – 95mm<sup>2</sup>

No	Description	Low Voltage cables	
		UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer	According to Vender List in Iraq	
3	Type :	CU/PVC/PVC –	
4	Country of origin		
5	Reference standard	IEC 60502, IEC 60183, IEC 60228, IEC 60287, , IEC 60287, IEC 60811, IEC 60853,	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	

7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Nominal Voltage :	400 V	
10	Construction data		
	1) Number of conductor	1 Core	
	2) Cross sectional area	95 mm <sup>2</sup>	
	3) Shape of conductor	Circular stranded compacted	
	4) Material of conductor	Copper	
	5) Material of insulation	PVC	
	6) Thickness of insulation (Nominal)	mm	
	7) Material of sheath	PVC - ST2	
	8) Thickness of sheath (Nominal)	mm	
	9) Color of sheath	Gray	
	10) Type of treatment against termite in outer sheath		
	11) Overall diameter of cable (Approx.)		
	12) Marking of cable	As per the specification	
	13) Net weight (Approx.) (kg/km)	kg	
11	<b>Electrical data:</b>		
	1) AC. withstand voltage for 5 minutes	3 KV	
	2) Max. DC. conductor resistance at 20_C	0.193 ohm/km	
12	3) Rated Frequency	50 Hz	
	Insulating resistance between phase and earth	M ohm	
13	<b>Submit Manufacturer certification :</b>		
14	<b>Submit Detail drawings, brochures and catalogues:</b>		
15	<b>Submit type test certificates or reports :</b>		

#### 10-Low Voltage Power Cables – 150 mm<sup>2</sup>

No	Description	Low Voltage Cables	
		UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer	According to Vender List in Iraq	
3	Type :	CU/PVC/PVC –	
4	Country of origin		
5	Reference standard	IEC 60502, IEC 60183, IEC 60228, IEC 60287, , IEC 60287, IEC 60811, IEC 60853,	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	



7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Nominal Voltage :	400 V	
10	Construction data		
	1) Number of conductor	1 Core	
	2) Cross sectional area	150 mm2	
	3) Shape of conductor	Circular stranded compacted	
	4) Material of conductor	Copper	
	5) Material of insulation	PVC	
	6) Thickness of insulation (Nominal)	mm	
	7) Material of sheath	PVC- ST2	
	8) Thickness of sheath (Nominal)	mm	
	9) Color of sheath	Gray	
	10) Type of treatment against termite in outer sheath		
	11) Overall diameter of cable (Approx.)		
	12) Marking of cable	As per the specification	
	13) Net weight (Approx.) (kg/km)	kg	
11	<b>Electrical data:</b>		
	1) AC. withstand voltage for 5 minutes	3 KV	
	2) Max. DC. conductor resistance at 20_C	0.124 ohm/km	
12	3) Rated Frequency	50 Hz	
	Insulating resistance between phase and earth	M ohm	
13	<b>Submit Manufacturer certification :</b>		
14	<b>Submit Detail drawings, brochures and catalogues:</b>		
15	<b>Submit type test certificates or reports :</b>		

#### 11-Low Voltage Power Cables – 120 mm2

No	Description	Low Voltage Cables	
		UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer	According to Vender List in Iraq	
3	Type :	CU/PVC/PVC –	
4	Country of origin		
5	Reference standard	IEC 60502, IEC 60183, IEC 60228, IEC 60287, , IEC 60287, IEC 60811, IEC 60853,	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	

8	Altitude:	1000M above MSL	
9	Nominal Voltage :	400 V	
10	Construction data		
	1) Number of conductor	1 Core	
	2) Cross sectional area	120 mm <sup>2</sup>	
	3) Shape of conductor	Circular stranded Compacted	
	4) Material of conductor	Copper	
	5) Material of insulation	PVC	
	6) Thickness of insulation (Nominal)	Mm	
	7) Material of sheath	PVC ST2	
	8) Thickness of sheath (Nominal)	Mm	
	9) Color of sheath	Gray	
	10) Type of treatment against termite in outer sheath		
	11) Overall diameter of cable (Approx.)		
	12) Marking of cable	As per the specification	
	13) Net weight (Approx.) (kg/km)	Kg	
11	<b>Electrical data:</b>		
	1) AC. withstand voltage for 5 minutes	3 KV	
	2) Max. DC. conductor resistance at 20_C	0.153 ohm/km	
	3) Rated Frequency	50 Hz	
12	Insulating resistance between phase and earth	M ohm	
13	<b>Submit Manufacturer certification :</b>		
14	<b>Submit Detail drawings, brochures and catalogues:</b>		
15	<b>Submit type test certificates or reports :</b>		

#### 12-Low Voltage Power Cables – 50 mm<sup>2</sup>

No	Description	Low Voltage Cables	
		UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer	According to Vender List in Iraq	
3	Type :	CU/PVC/PVC –	
4	Country of origin		
5	Reference standard	IEC 60502, IEC 60183, IEC 60228, IEC 60287, , IEC 60287, IEC 60811, IEC 60853,	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	

9	Nominal Voltage :	400 V	
10	Construction data		
	1) Number of conductor	1 Core	
	2) Cross sectional area	50 mm <sup>2</sup>	
	3) Shape of conductor	Circular stranded compacted	
	4) Material of conductor	Copper	
	5) Material of insulation	PVC	
	6) Thickness of insulation (Nominal)	mm	
	7) Material of sheath	PVC ST2	
	8) Thickness of sheath (Nominal)	mm	
	9) Color of sheath	Gray	
	10) Type of treatment against termite in outer sheath		
	11) Overall diameter of cable (Approx.)		
	12) Marking of cable	As per the specification	
	13) Net weight (Approx.) (kg/km)	kg	
11	<b>Electrical data:</b>		
	1) AC. withstand voltage for 5 minutes	3 KV	
	2) Max. DC. conductor resistance at 20_C	0.387 ohm/km	
12	3) Rated Frequency	50 Hz	
	Insulating resistance between phase and earth	M ohm	
13	<b>Submit Manufacturer certification :</b>		
14	<b>Submit Detail drawings, brochures and catalogues:</b>		
15	<b>Submit type test certificates or reports :</b>		

### 13 – Outdoor LV Switchgear Cabinets - Pole Mounted - 400 A

No	Description	UNDP required specifications	Offered specification
1	Name of manufacturer:	Original manufacturer (locally assembled not acceptable)	
2	Country of origin:		
3	Reference standards	IEC 60439	
4	Ambient temperature:	Maximum:55/C Minimum: -10/C	
5	Relative Humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Rated voltage	416/240 Volts	
8	Frequency	50 Hz	

9	Switchgear type:	Outdoor type, pole mounted cabinet	
10	Rated operating voltage		
11	Rated insulation voltage		
12	Rated impulse withstand voltage	kV	
13	Rated power frequency withstand voltage	2.5 kV	
14	Rated current at the maximum operating temperature	400 A	
15	Rated short circuit current for 1 second	KA	
16	The cabinet type:	Outdoor type	
17	Thickness of sheets	Minimum 2mm	
18	Painting type	Electro-static and thermal painting.	
19	IP class	IP 55	
20	Dimensions of the LV switchgear cabinet	L mm x W mm x H mm	
21	Weight of the LV switchgear cabinet	kg	
22	Circuit breaker	MCCB - shall be accommodated inside the panel for outgoing feeder and shall comply with IEC 947-2 category B	
22-1	Country of manufacture		
22-2	Name of manufacturer		
22-3	Model No-		
22-4	Rated operating voltage		
22-5	Rated insulating voltage		
22-6	Rated impulse withstand voltage		
22-7	Rated power frequency withstand voltage		
22-8	Rated current at the maximum operating temperature		
22-9	Thermal overload and magnetic release provided	Yes	Yes / No

22-10	Circuit breaker ultimate breaking capacity	35 kA	
22-11	Circuit breaker service breaking capacity	35 kA	
22-12	Short circuit making capacity	kA	
22-13	Fault clearing time		
<b>23</b>	<b>Submit Manufacturer certification for switchgear cabinet</b>		
<b>24</b>	<b>Submit type test certificates or reports</b>		
<b>25</b>	<b>Submit Detail drawings, brochures and catalogues of cabinet and MCCB</b>		

#### 14 – Outdoor LV Switchgear Cabinets, Pole Mounted – 250 A

No	Description	UNDP required specifications	Offered specification
1	Name of manufacturer:	Original manufacturer (locally assembled not acceptable)	
2	Country of origin:		
3	Reference standards	IEC 60439	
4	Ambient temperature:	Maximum: 55/C Minimum: -10/C	
5	Relative Humidity:	92% maximum	
6	Altitude:	1000M above MSL	
7	Rated voltage	416/240 Volts	
8	Frequency	50 Hz	
9	Switchgear type:	Outdoor type, pole Mounted cabinet.	
10	Rated operating voltage		
11	Rated insulation voltage		
12	Rated impulse withstand voltage		
13	Rated power frequency withstand voltage	2.5 kV	
14	Rated current at the maximum operating temperature	250 A	

15	Rated short circuit current for 1 second		kA
16	The cabinet type:	Outdoor type	
17	Thickness of sheets	Minimum 2mm	
18	Painting type	Electro-static and thermal painting.	
19	IP class	IP 55	
20	Dimensions of the LV switchgear cabinet	L mm x W mm x H mm	
21	Weight of the LV switchgear cabinet	kg	
22	Circuit breaker	MCCB - shall be accommodated inside the panel for outgoing feeder and shall comply with IEC 947-2 category B	
22-1	Country of manufacture		
22-2	Name of manufacturer		
22-3	Model No-		
22-4	Rated operating voltage		
22-5	Rated insulating voltage		
22-6	Rated impulse withstand voltage		
22-7	Rated power frequency withstand voltage		
22-8	Rated current at the maximum operating temperature		
22-9	Thermal overload and magnetic release provided	Yes	Yes / No
22-10	Circuit breaker ultimate breaking capacity	35 kA	
22-11	Circuit breaker service breaking capacity	35 kA	
22-12	Short circuit making capacity	kA	
22-13	Fault clearing time	ms	
23	<b>Submit Manufacturer certification for cabinet</b>		

24	Submit type test certificates or reports		
25	Submit Detail drawings, brochures and catalogues of cabinet and MCCB		

#### 15- 33 KV Pole Mounted Load Break Switch

No	Description	UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer		
3	Type:	33 kV Load break switch – pole mounted , Air type	
4	Country of origin		
5	Reference standard	IEC 62271-102, IEC 62271-103	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Number of poles	3	
10	Indoor or outdoor	Outdoor	
11	Nominal Voltage	33 kV	
12	Highest system voltage	36 kV	
13	Rated current	600 A	
14	Maximum overload breaking capacity	800 A	
15	Rated Frequency	50Hz	
16	Altitude:	1000M above MSL	
17	Insulation level 33 kV a) Lightning Impulse Phase – earth Phase-phase  b) AC power frequency Phase – earth Phase-phase	170 kV 195 kV  70 kV 80 kV	

18	Short circuit withstand capacity	25 KA for 1 second	
19	Breaking current capacity	KA	
20	Minimum clearance – phase to phase	mm	
21	Minimum clearance – phase to Earth	mm	
22	Main contact material		
23	Main contact plating material		
24	All current carrying parts copper or copper alloy		
25	Dimensions of operating rod/ pipe (Vertical) ;  i) Diameter  ii) Length  iii) Thickness (for pipe only)	mm  mm  mm	
26	Whether the operating mechanism provided with earthing terminal -	Yes	
27	Galvanizing  a) Thickness  b) Weight per square meter	mm  g/m <sup>2</sup>	
28	Whether the holding part of the operating handle is insulated	Yes/No	
29	Mechanical ON/OFF indication Available	Yes	
30	33 kV bushings		
30-1	Name of manufacturer		
30-2	Make/Brand/Model:		
30-3	Reference standard	IEC 60137	
30-4	Type of bushing		
30-5	Rated current	A	



30-6	Rated voltage	KV	
30-7	Material	Porcelain	
30-8	Color	Brown	
30-9	Creepage distance		
31	Warranty period	One year	
32	Submit Manufacturer certification:		
33	Submit type test certificates or reports :		
34	Submit Detail drawings, brochures and catalogues:		

#### 16- 11 KV POLE MOUNTED LOAD BREAK SWITCH

No	Description	UNDP required specifications	Offered specification
1	Make/Brand/Model:		
2	Name of manufacturer		
3	Type:	11 kV Load break switch – pole mounted , Air type	
4	Country of origin		
5	Reference standard	IEC 62271-102, IEC 62271-103	
6	Ambient temperature:	Maximum:55/C Minimum: -10/C	
7	Air humidity:	92% maximum	
8	Altitude:	1000M above MSL	
9	Number of poles	3	
10	Indoor or outdoor	Outdoor	
11	Nominal Voltage	11 kV	
12	Highest system voltage	12 kV	
13	Rated current	400 A	
14	Maximum overload breaking capacity	800 A	
15	Rated Frequency	50Hz	
16	Altitude:	1000M above MSL	

17	Insulation level 11kV c) Lightning Impulse Phase – earth Phase-phase  d) AC power frequency Phase – earth Phase-phase	75 kV 85 kV  28 kV 32 kV	
18	Short circuit withstand capacity	25 KA for 1 second	
19	Breaking current capacity	KA	
20	Minimum clearance – phase to phase	Mm	
21	Minimum clearance – phase to Earth	Mm	
22	Main contact material		
23	Main contact plating material		
24	All current carrying parts copper or copper alloy		
25	Dimensions of operating rod/ pipe (Vertical) ;  i) Diameter  ii) Length  iii) Thickness (for pipe only)	mm  mm  mm	
26	Whether the operating mechanism provided with earthing terminal	Yes	
27	Galvanizing  a) Thickness  b) Weight per square meter	mm  g/m <sup>2</sup>	
28	Whether the holding part of the operating handle is insulated	Yes/No	
29	Mechanical ON/OFF indication Available	Yes	
30	11 kV bushings		

30-1	Name of manufacturer		
30-2	Make/Brand/Model:		
30-3	Reference standard	IEC 60137	
30-4	Type of bushing		
30-5	Rated current	A	
30-6	Rated voltage	KV	
30-7	Material	Porcelain	
30-8	Color	Brown	
30-9	Creepage distance		
31	Warranty period	One year	
32	<b>Submit Manufacturer certification:</b>		
33	<b>Submit type test certificates or reports :</b>		
34	<b>Submit Detail drawings, brochures and catalogues:</b>		

#### 17 -33 KV PORCELAIN PIN INSULATORS WITH SPINDLE

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model	Original manufacturer (locally assembled not acceptable)	
2	Name of manufacturer		
3	Country of origin		
4	Reference standard	IEC 60383-1/ ANSI/BS/ASTM	
5	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
6	Relative Humidity :	92% maximum	
7	Altitude	1000 M above mean sea level	
8	Nominal voltage	33 kV	

9	System highest voltage	36 kV	
10	Impulse withstand voltage + ve	180-200 KV	
11	Impulse withstand voltage - ve	190-220 kV	
12	Power frequency withstand voltage- dry	100-110 KV	
13	Power frequency withstand voltage – wet	80-90 KV	
14	Puncture voltage	200-210 kV	
15	Mechanical failing load		
16	Creepage distance	580-685 mm	
17	Material of insulator	Ceramic	
18	Color of insulator	Brown	
19	Zn sleeve provided	Yes	
20	Radius of conductor groove	Suitable for a conductor of 20.3 mm diameter	
21	Total height	203-250 mm	
22	Total diameter	≥ 280 mm	
23	Cantilever strength	10-12 KN	
24	Weight of insulator	7.5-7.9 Kg	
25	Height of galvanized steel spindle- min	125 mm	
26	Diameter of spindle - min	18.5 mm	
27	<b>Submit Manufacturer certification</b>		
28	<b>Submit type test certificates or reports</b>		
29	<b>Submit Detail drawings, brochures and catalogues of insulator and spindle</b>		

#### 18 -11 KV Porcelain Pin Insulators with Spindle

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model	Original manufacturer (locally assembled not acceptable)	

2	Name of manufacturer		
3	Country of origin		
4	Reference standard	IEC 60383-1/ ANSI/BS/ASTM	
5	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
6	Relative Humidity :	92% maximum	
7	Altitude	1000 M above mean sea level	
8	Nominal voltage	11 kV	
9	System highest voltage	15 kV	
10	Impulse withstand voltage + ve	95-105 KV	
11	Impulse withstand voltage - ve	105-120 kV	
12	Power frequency withstand voltage- dry	65-75 KV	
13	Power frequency withstand voltage – wet	35-50 KV	
14	Puncture voltage	105-120 kV	
15	Mechanical failing load		
16	Creepage distance	270-320 mm	
17	Material of insulator	Ceramic	
18	Color of insulator	Brown	
19	Zn sleeve provided	Yes	
20	Radius of conductor groove	Suitable for a conductor of 15.5 mm diameter	
21	Total height	135-160 mm	
22	Total diameter	140-175 mm	
23	Cantilever strength	10-12 KN	
24	Net Weight	1.8-2.5 Kg	
25	Height of galvanized steel spindle – min	125 mm	
26	Diameter of spindle – min	18.5 mm	
27	<b>Submit Manufacturer certification</b>		

28	Submit type test certificates or reports		
29	Submit Detail drawings, brochures and catalogues of insulator and spindle		

#### 19 -400 V Porcelain Shackle Insulators

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard	BS or equivalent standard	
5	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
6	Relative Humidity :	92% maximum	
7	Altitude	1000 M above mean sea level	
8	Rated voltage	400 V	
9	System highest voltage	600 V	
10	Power frequency withstand voltage- dry	≥ 23 KV	
11	Power frequency withstand voltage – wet	≥ 10 KV	
12	Puncture voltage	1.3 x actual dry F.O.V	
13	Electro mechanical strength	15-16 KN	
14	Material of insulator	Ceramic	
15	Color of insulator	Brown	
16	Radius of conductor groove	15 mm	
17	Total height	65-100 mm	
18	Total diameter	75-115 mm	
19	Net Weight	0.6-1 Kg	

20	<b>Submit Manufacturer certification</b>		
21	<b>Submit type test certificates or reports</b>		
22	<b>Submit Detail drawings, brochures and catalogues of insulator</b>		

## 20 – L V line taps (Al-Cu)

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard		
5	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
6	Relative Humidity :	92% maximum	
7	Altitude	1000 M above mean sea level	
8	Rated voltage	400 V	
9	System highest voltage	600 V	
10	Applicable main conductor Size	35 mm <sup>2</sup> - 120 mm <sup>2</sup>	
11	Applicable tap conductor size	25 mm <sup>2</sup> - 95 mm <sup>2</sup>	
12	Length of the		
13	Temperature rise	deg C	
14	Whether the applicable conductor sizes are marked on the clamp	Yes/No -	
15	Bolt a) Size & Length of the bolt b) Thread length c) Tensile strength of the bolt d) Property Class	mm / mm mm N/mm <sup>2</sup>	
16	<b>Submit Manufacturer certification</b>		
17	<b>Submit type test certificates or reports</b>		
18	<b>Submit brochures and catalogues</b>		



**21 – L V line taps (Al-Al)**

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard		
5	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
6	Relative Humidity :	92% maximum	
7	Altitude	1000 M above mean sea level	
8	Rated voltage	400 V	
9	System highest voltage	600 V	
10	Applicable main conductor Size	35 mm <sup>2</sup> - 120 mm <sup>2</sup>	
11	Applicable tap conductor size	35 mm <sup>2</sup> - 120 mm <sup>2</sup>	
12	Length of the		
13	Temperature rise	deg C	
14	Whether the applicable conductor sizes are marked on the clamp	Yes/No -	
15	Bolt a) Size & Length of the bolt b) Thread length c) Tensile strength of the bolt d) Property Class	mm / mm mm N/mm <sup>2</sup>	
16	<b>Submit Manufacturer certification</b>		
17	<b>Submit type test certificates or reports</b>		
18	<b>Submit brochures and catalogues</b>		

## 22 – Cable Lugs- 150 mm<sup>2</sup> Cu cable

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard		
5	Current carrying capacity	A	
6	Temperature rise at rated current	Deg C	
7	Marking details- Cable size and No. of crimps	150 mm <sup>2</sup> /...	
8	<b>Submit type test certificates or reports</b>		
9	<b>Submit brochures and catalogues</b>		

**23 – Cable Lugs- 120 mm2 Cu cable**

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard		
5	Current carrying capacity	A	
6	Temperature rise at rated current	Deg C	
7	Marking details- Cable size and No. of crimps	120 mm2 /...	
8	<b>Submit type test certificates or reports</b>		
9	<b>Submit brochures and catalogues</b>		

#### 24 – Cable Lugs- 50 mm2 Cu cable

No	Description:	UNDP specifications	Offered specification
1	Make/brand / Model		
2	Name of manufacturer		
3	Country of origin		
4	Reference standard		
5	Current carrying capacity	A	
6	Temperature rise at rated current	Deg C	
7	Marking details- Cable size and No. of crimps	50 mm2 /...	
8	<b>Submit type test certificates or reports</b>		
9	<b>Submit brochures and catalogues</b>		

#### 25-& 26– 11 kV Expulsion Fuse Cutouts

No	Description	11 KV	
		UNDP required specifications	Offered specification
1-	Make/Brand/Model:		
2-	Name of manufacturer		
3-	Type :	11 kV Expulsion Fuse Cutouts	
4-	Country of origin		
5-	Reference standard	IEC 60282, IEC 60071, IEC 60071, IEC 60273	
6-	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
7-	Relative Humidity :	92% maximum	
8-	Altitude	1000 M above mean sea level	
9-	Rated Voltage :	11 KV	
10-	Rated frequency	50 Hz	
11-	Short circuit current	25 kA	
12	Rated continuous current	100 A	
13-	Mounting Angle to the vertical	15-20 Deg	
14	Rated insulation level –to earth a) Impulse withstand voltage (peak)	75 kV	

	b) One minute 50Hz withstand voltage (r.m.s.)	28 kV	
15	Rated insulation level – across isolating distance		
	a) Impulse withstand voltage (peak)	85 kV	
	b) One minute 50Hz withstand voltage (r.m.s.)	32 kV	
16	Conductor terminals tin plated	Required	
17	Size and Material of i) Upper Terminal Clamps ii) Lower Terminal Clamps iii) Moving Contacts iv) Fixed Contacts	Size/ Copper, copper alloy Size/ Copper, copper alloy Size/ Copper, copper alloy Size/ Copper, copper alloy	
18	Contracts silver clad	Required	
19	Temperature rise tests		
1	Ambient temperature during temperature rise		
2	Temperature rise for Contacts 1) Upper °C 2) Lower °C		
3	Temperature rise for terminals °C 1) Upper °C 2) Lower °C		
20	Symmetrical / Asymmetrical (rms) interrupting rating	8 KA /... KA	
21	Material of insulator	Porcelain	
22	Color of insulator	Glazed brown or grey	
23	Creepage distance	mm	
24	Type of Mounting Bracket		
25	Fuse cut-out with single or stand-off insulator NEMA brackets	Required	
26	Cut out suitable for removable button head fuse link	Required	
27	All assemblies potted into the porcelain	Required	
28	Shed to be incorporated into upper contract assembly	Required	
29	Load break hook fitting	Required	
30	Arc interrupting assisted by a spring operated flipper	Required	

<b>31</b>	The protection of fuse link from mechanical shock by latching of toggle mechanism	Required	
<b>32</b>	Non expandable type fuse cap	Required	
<b>33</b>	Galvanizing thickness of all ferrous components		
<b>34</b>	<b>Submit Manufacturer certification :</b>		
<b>35</b>	<b>Submit Detail drawings, brochures and catalogues:</b>		
<b>36</b>	<b>Submit certification or report of type tests</b>		

#### 25 & 26- Expulsion Fuse links for 11 kV

No	Description	11 KV	
		UNDP required specifications	Offered specification
<b>1-</b>	Make/Brand/Model:		
<b>2-</b>	Name of manufacturer		
<b>3-</b>	Type :	Expulsion Fuse links for 11 kV	
<b>4-</b>	Country of origin		
<b>5-</b>	Reference standard	IEC60 282-2	
<b>6-</b>	Ambient temperature :	Maximum:55 deg C Minimum:-10 deg C	
<b>7-</b>	Relative Humidity :	92% maximum	
<b>8-</b>	Altitude	1000 M above mean sea level	
<b>9-</b>	Rated Voltage :	11 KV	
<b>10-</b>	Rated frequency	50 Hz	
<b>11-</b>	Rated continuous current	20 A, 40 A	
<b>12</b>	Diameter of Button Head Cap	mm	
<b>13-</b>	Material of Button head cap		
<b>14</b>	Diameter of removable washer		
<b>15</b>	Material of button head cap		
<b>16</b>	Material of current responsive element		
<b>17</b>	Does the current responsive fuse element enclosed with an insulating sleeve having arc extinguishing properties	Yes/No	
<b>18-</b>	Material of insulating sleeve enclosure		
<b>19</b>	Diameter of flexible conductor	mm	
<b>20</b>	Material of flexible conductor		

<b>21</b>	Whether the flexible conductor is tinned type	Yes/No	
<b>22</b>	Overall length of the fuse link	mm	
<b>23</b>	Tensile withstand strength	kg	
<b>24</b>	Whether the following information indelibly marked on the fuse link Rated continuous current Type (Fast “K” – Slow “T”) Manufacturers identification code	Yes/No Yes/No Yes/No	
<b>25</b>	Whether the following information indelibly marked on the sealed polythene cover of the fuse link. Rated Voltage Rated continuous current Type (Fast ‘K’ / Slow ‘T’) Manufacturer’s identification code	Yes/No Yes/No Yes/No Yes/No	
<b>26</b>	Melting Time/Current characteristics  a) For fuses of all current rating b) At what ambient temperature	Yes/No	
<b>27</b>	<b>Submit Detail drawings, brochures and catalogues:</b>		
<b>28</b>	<b>Submit certification or report of type tests</b>		

## Section 9: FORM FOR BID SECURITY

***(This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in this template.)***

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

WHEREAS *[name and address of Contractor]* (hereinafter called “the Bidder”) has submitted a Bid to UNDP dated [Click here to enter a date.](#) , to deliver goods and execute related services for *[indicate ITB title]* (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 in the event that 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 Bid;
- c) Fails to comply with UNDP’s variation of requirement, as per ITB Section F.3; 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 this 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 until 30 days after the date of validity of the bids.

### **SIGNATURE AND SEAL OF THE GUARANTOR BANK**

Date .....

Name of Bank .....

Address .....



## Section 10: FORM FOR PERFORMANCE SECURITY<sup>7</sup>

***(This must be finalized using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made in this template.)***

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

WHEREAS *[name and address of Contractor]* (hereinafter called “the Contractor”) has undertaken, in pursuance of Contract No. Click to enter dated Click to enter , to deliver the goods and execute related services *Click here to enter text.* (hereinafter called “the Contract”):

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract:

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

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, 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 Contract Price 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 until a date 30 days from the date of issue by UNDP of a certificate of satisfactory performance (certificate of final completion) and full completion of services by the Contractor.

### **SIGNATURE AND SEAL OF THE GUARANTOR BANK**

Date .....

Name of Bank .....

Address .....

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<sup>7</sup> If the RFP requires the submission of a Performance Security, which shall be made a condition to the signing and effectivity of the contract, the Performance Security that the Bidder’s Bank will issue shall use the contents of this template



## **Section 11: General Terms and Conditions for Goods**

### **1. ACCEPTANCE OF THE PURCHASE ORDER**

This Purchase Order may only be accepted by the Supplier's signing and returning an acknowledgement copy of it or by timely delivery of the goods in accordance with the terms of this Purchase Order, as herein specified. Acceptance of this Purchase Order shall effect a contract between the Parties under which the rights and obligations of the Parties shall be governed solely by the terms and conditions of this Purchase Order, including these General Conditions. No additional or inconsistent provisions proposed by the Supplier shall bind UNDP unless agreed to in writing by a duly authorized official of UNDP.

### **2. PAYMENT**

- 2.1.1 UNDP shall, on fulfillment of the Delivery Terms, unless otherwise provided in this Purchase Order, make payment within 30 days of receipt of the Supplier's invoice for the goods and copies of the shipping documents specified in this Purchase Order.
- 2.1.2 Payment against the invoice referred to above will reflect any discount shown under the payment terms of this Purchase Order, provided payment is made within the period required by such payment terms.
- 2.1.3 Unless authorized by UNDP, the Supplier shall submit one invoice in respect of this Purchase Order, and such invoice must indicate the Purchase Order's identification number.
- 2.1.4 The prices shown in this Purchase Order may not be increased except by express written agreement of UNDP.

### **3. TAX EXEMPTION**

3.1 Section 7 of the Convention on the Privileges and Immunities of the United Nations provides, inter alia, that the United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for utilities services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize UNDP's exemption from such taxes, duties or charges, the Supplier shall immediately consult with UNDP to determine a mutually acceptable procedure.

3.2 Accordingly, the Supplier authorizes UNDP to deduct from the Supplier's invoice any amount representing such taxes, duties or charges, unless the Supplier has consulted

with UNDP before the payment thereof and UNDP has, in each instance, specifically authorized the Supplier to pay such taxes, duties or charges under protest. In that event, the Supplier shall provide UNDP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized.

**4. RISK OF LOSS**

Risk of loss, damage to or destruction of the goods shall be governed in accordance with DDU Incoterms 2013, unless otherwise agreed upon by the Parties on the front side of this Purchase Order.

**5. EXPORT LICENCES**

Notwithstanding any INCOTERM 2000 used in this Purchase Order, the Supplier shall obtain any export licences required for the goods.

**6. FITNESS OF GOODS/PACKAGING**

The Supplier warrants that the goods, including packaging, conform to the specifications for the goods ordered under this Purchase Order and are fit for the purposes for which such goods are ordinarily used and for purposes expressly made known to the Supplier by UNDP, and are free from defects in workmanship and materials. The Supplier also warrants that the goods are contained or packaged adequately to protect the goods.

**7. INSPECTION**

1. UNDP shall have a reasonable time after delivery of the goods to inspect them and to reject and refuse acceptance of goods not conforming to this Purchase Order; payment for goods pursuant to this Purchase Order shall not be deemed an acceptance of the goods.
2. Inspection prior to shipment does not relieve the Supplier from any of its contractual obligations.

**8. INTELLECTUAL PROPERTY INFRINGEMENT**

The Supplier warrants that the use or supply by UNDP of the goods sold under this Purchase Order does not infringe any patent, design, trade-name or trade-mark. In addition, the Supplier shall, pursuant to this warranty, indemnify, defend and hold UNDP and the United Nations harmless from any actions or claims brought against UNDP or the United Nations pertaining to the alleged infringement of a patent, design, trade-name or trade-mark arising in connection with the goods sold under this Purchase Order.

**9. RIGHTS OF UNDP**

In case of failure by the Supplier to fulfil its obligations under the terms and conditions of this Purchase Order, including but not limited to failure to obtain necessary export licences, or to make delivery of all or part of the goods by the agreed delivery date or dates, UNDP may, after giving the Supplier reasonable notice to perform and without prejudice to

any other rights or remedies, exercise one or more of the following rights:

- a) Procure all or part of the goods from other sources, in which event UNDP may hold the Supplier responsible for any excess cost occasioned thereby.
- b) Refuse to accept delivery of all or part of the goods.
- c) Cancel this Purchase Order without any liability for termination charges or any other liability of any kind of UNDP.

#### **10. LATE DELIVERY**

Without limiting any other rights or obligations of the parties hereunder, if the Supplier will be unable to deliver the goods by the delivery date(s) stipulated in this Purchase Order, the Supplier shall (i) immediately consult with UNDP to determine the most expeditious means for delivering the goods and (ii) use an expedited means of delivery, at the Supplier's cost (unless the delay is due to Force Majeure), if reasonably so requested by UNDP.

#### **11. ASSIGNMENT AND INSOLVENCY**

- 11.1. The Supplier shall not, except after obtaining the written consent of UNDP, assign, transfer, pledge or make other disposition of this Purchase Order, or any part thereof, or any of the Supplier's rights or obligations under this Purchase Order.
- 11.2. Should the Supplier become insolvent or should control of the Supplier change by virtue of insolvency, UNDP may, without prejudice to any other rights or remedies, immediately terminate this Purchase Order by giving the Supplier written notice of termination.

#### **12. USE OF UNDP OR UNITED NATIONS NAME OR EMBLEM**

The Supplier shall not use the name, emblem or official seal of UNDP or the United Nations for any purpose.

#### **13. PROHIBITION ON ADVERTISING**

The Supplier shall not advertise or otherwise make public that it is furnishing goods or services to UNDP without specific permission of UNDP in each instance.

#### **14. CHILD LABOUR**

The Supplier represents and warrants that neither it nor any of its affiliates is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education,

or to be harmful to the child's health or physical, mental, spiritual, moral or social development.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

**15. MINES**

The Supplier represents and warrants that neither it nor any of its affiliates is actively and directly engaged in patent activities, development, assembly, production, trade or manufacture of mines or in such activities in respect of components primarily utilized in the manufacture of Mines. The term "Mines" means those devices defined in Article 2, Paragraphs 1, 4 and 5 of Protocol II annexed to the Convention on Prohibitions and Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects of 1980.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

**16. SETTLEMENT OF DISPUTES**

**16.1 Amicable Settlement**

The Parties shall use their best efforts to settle amicably any dispute, controversy or claim arising out of, or relating to this Purchase Order or the breach, termination or invalidity thereof. Where the Parties wish to seek such an amicable settlement through conciliation, the conciliation shall take place in accordance with the UNCITRAL Conciliation Rules then obtaining, or according to such other procedure as may be agreed between the Parties.

**16.2 Arbitration**

Unless, any such dispute, controversy or claim between the Parties arising out of or relating to this Purchase Order or the breach, termination or invalidity thereof is settled amicably under the preceding paragraph of this Section within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, such dispute, controversy or claim shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining, including its provisions on applicable law. The arbitral tribunal shall have no authority to award punitive damages. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

**17. PRIVILEGES AND IMMUNITIES**

Nothing in or related to these General Terms and Conditions or this Purchase Order shall be deemed a waiver of any of the privileges and immunities of the United Nations, including its subsidiary organs.

**18. SEXUAL EXPLOITATION:**

18.1 The Contractor shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by it or by any of its employees or any other persons who may be engaged by the Contractor to perform any services under the Contract. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, shall constitute the sexual exploitation and abuse of such person. In addition, the Contractor shall refrain from, and shall take all appropriate measures to prohibit its employees or other persons engaged by it from, exchanging any money, goods, services, offers of employment or other things of value, for sexual favors or activities, or from engaging in any sexual activities that are exploitive or degrading to any person. The Contractor acknowledges and agrees that the provisions hereof constitute an essential term of the Contract and that any breach of this representation and warranty shall entitle UNDP to terminate the Contract immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind.

18.2 UNDP shall not apply the foregoing standard relating to age in any case in which the Contractor's personnel or any other person who may be engaged by the Contractor to perform any services under the Contract is married to the person less than the age of eighteen years with whom sexual activity has occurred and in which such marriage is recognized as valid under the laws of the country of citizenship of such Contractor's personnel or such other person who may be engaged by the Contractor to perform any services under the Contract.

**19.0 OFFICIALS NOT TO BENEFIT:**

The Contractor warrants that no official of UNDP or the United Nations has received or will be offered by the Contractor any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of this Contract.

**20. AUTHORITY TO MODIFY:**

Pursuant to the Financial Regulations and Rules of UNDP, only the UNDP Authorized Official possess the authority to agree on behalf of UNDP to any modification of or change in this Agreement, to a waiver of any of its provisions or to any additional contractual relationship of any kind with the Contractor. Accordingly, no modification or change in this Contract shall be valid and enforceable against UNDP unless provided by an amendment to this Agreement signed by the Contractor and jointly by the UNDP Authorized Official.