



# **BANGLADESH POWER DEVELOPMENT BOARD**

## **TENDER DOCUMENT (AS PER CPTU STD PG3)**

### **FOR THE PROCUREMENT**

**OF**

- Lot-1: Supply of 11/0.4kV, 250KVA Distribution Transformer- 480 Nos.**  
**Lot-2: Supply of 11/0.4kV, 250KVA Distribution Transformer- 485 Nos.**

**UNDER OPEN TENDERING METHOD (OTM)**

**AGAINST LOCAL TENDER**

INVITATION FOR TENDER No: 27.11.6100.849.19.096.21-712

ISSUED ON: 06.09.2021

TENDER PACKAGE No: **GOODS-6(LOT-1 & LOT-2)**

**Project Director (Addl. Chief Engineer)**  
**Power Distribution System Development Project, Mymensingh Zone,**  
**Camp Office: Level-10, Room No-1005, Bidyut Bhaban,**  
**1-Abdul Gani Road, BPDB, Dhaka.**

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## **REJECTION CLAUSES**

**(Tender shall be rejected if the Tenderer in its Tender, does not comply but not limited to the following criteria)**

1. Tenderer shall have to comply with Eligibility criteria [ITT 5], Litigation history [ITT 13], Experience criteria [ITT 14], Financial Criteria [ITT15.1];
2. Goods and related Services to be supplied must be eligible [ITT 6.1];
3. Tenderer shall submit only one Tender for each lot as per ITT 17;
4. Tender must be accompanied by Letter of Authorization to the Signatory to sign the Tender on behalf of the Tenderer [ITT 21.1(g); ITT 36.3];
5. Tender Submission Letter (Form PG3-1), Tenderer Information sheet Form PG3-2) shall be properly filled up by the Tenderer [ITT 21.1(a); ITT 21.1(b); ITT 22.1]
6. The Price Schedule for Goods and Related Services (Form PG3-4A, 4B) shall be properly filled up by the Tenderer [ITT21.1(c),ITT 22.2, ITT22.3] Tenderers are not allowed to change/ modify the format of Price Schedule;
7. Technical Alternatives shall not be considered [ITT 23.1];
8. The Specifications Submission and Compliance Sheet (Form PG3-5) and deviation list (Form PG3-13) shall be properly filled up by the Tenderer [ITT 21.1 (e), ITT 27.2];
9. Tenderer must quote 100% of items specified for each lot and 100% of the quantities specified for each item of that lot [ITT 24.6];
10. Tenderer shall submit documentary evidence for Valid Trade License, Tax Identification Number and Value Added Tax (VAT) [ITT 5.4, ITT 21.1(h),ITT 21.1(i)];
11. If Tenderer does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization Letter (ITT 28.1(f);Form PG3-6) ;
12. Tender shall remain valid for the period specified in the TDS after the date of Tender submission deadline [ITT 29.1];
13. Tender must be accompanied by a valid Tender Security [ITT 31.1; ITT32.1];
14. Tenderer shall have to comply with the payment terms [GCC 25.1];
15. Tenderer shall submit Guaranteed Technical Particulars (GTP) in Section: 8 shall be properly filled up in Manufacturer Official Pad with submission of related supporting documents and seal & signed by both Manufacturer & Tenderer [ITT 21.1(l)xiv] ;
16. Tender shall have to comply with the Delivery and Completion Schedule [ specified in Price Schedules & Section 6: Schedule of Requirements] shall be properly filled up by the Tenderer, Tenderers are not allowed to change/ modify the format of this Schedule [ITT 21.1(c), ITT 21.1(l) i];
17. Tenderer shall submit Warranty Certificate (Form PG3-14) as stated in TDS [ITT 21.1(l)v];
18. Manufacturer's Authorization is required for all the items listed in Section 6: Schedule of Requirements; if the Tenderer does not manufacturer or produce the Goods it offers to supply [ITT 28.1(f)];
19. All pages of original and copies of the Tender shall be numbered sequentially and signed as per ITT 36.3;
20. Tenderer shall submit sample(s) as per TDS [ITT 37.6; Technical Specification 7] sample (where applicable);
21. Tenderer shall have to submit Manufacturer's Supply Record as stated in TDS [ITT 21.1(l)iv];
22. Tenderer shall have to submit End User Certificate(s) as stated in TDS [ITT 21.1(l)iv];
23. Tenderer shall have to submit Type Test Certificate & Report as per section 7 [ITT 21.1(l)xiii];
24. Tenderer shall have to submit Manufacturer's constructional drawing of the proposed Goods as per TDS [ITT 21.1(l)ix];
25. Tenderer shall have to submit Manufacturer's Printed Catalogue as per TDS [21.1(l) viii];
26. Tenderer shall have to submit sealed & signed original Tender Document as per TDS [21.1(l)xv].

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## Section 1. Instructions to Tenderers

### A. General

- 1. Scope of Tender**
- 1.1 The Procuring Entity, as indicated in the Tender Data Sheet (**TDS**) issues this Tender Document for the supply of Goods and related services incidental thereto, as specified in the **TDS** and as detailed in Section 6: Schedule of Requirements. The name of the Tender and the number and identification of its constituent lot(s) are stated in the **TDS**.
- 1.2 The successful Tenderer shall be required to complete the delivery of the Goods and related services as specified in the General Conditions of Contract.
- 2. Interpretation**
- 2.1 Throughout this Tender Document
- (a) the term “in writing” means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail;
  - (b) if the context so requires, singular means plural and vice versa; and
  - (c) “day” means calendar days unless otherwise specified as working days;
  - (d) “Person” means and includes an individual, body of individuals, sole proprietorship, partnership, company, association or cooperative society that wishes to participate in Procurement proceedings;
  - (e) “Tenderer” means a Person who submits a Tender;
  - (f) “Tender Document”, means the Document provided by the Procuring Entity to a Tenderer as a basis for preparation of its Tender;
  - (g) “Tender”, depending on the context, means a Tender submitted by a Tenderer for delivery of Goods and Related Services to the Procuring Entity in response to an Invitation for Tender ;
- 3. Source of Funds**
- 3.1 The Procuring Entity has been allocated public funds from the source as indicated in the **TDS** and intends to apply a portion of the funds to eligible payments under the contract for which this Tender Document is issued.
- 3.2 For the purpose of this provision, “public funds” means any funds allocated to the Procuring Entity under Government budget, or loan, grants and credits placed at the disposal of the Procuring Entity through the Government by the Development Partners or foreign states or organizations.
- 3.3 Payments by the Development Partner, if so indicated in the **TDS**, will be made only at the request of the Government and upon approval by the Development Partner in accordance with the applicable Loan/Credit/Grant Agreement, and will be subject in all respects to the terms and conditions of that Agreement.

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**4. Corrupt, Fraudulent, Collusive, Coercive (or Obstructive in case of Development Partner) Practices**

- (a) The Government and the Development Partner, if applicable requires that the Procuring Entity as well as the Tenderers and Suppliers (including their manufacturers, sub-contractors, agents, personnel, consultants, and service providers) shall observe the highest standard of ethics during implementation of procurement proceedings and the execution of Contracts under public funds.
- (b) For the purposes of ITT Sub Clause 4.3, the terms set forth below as follows:
- (c) **“corrupt practice”** means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of the Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by the Procuring Entity in connection with a Procurement proceeding or Contract execution;
- (d) **“fraudulent practice”** means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;
- (e) **“collusive practice”** means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Procuring Entity, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying the Procuring Entity the benefits of competitive price arising from genuine and open competition;
- (f) **“coercive practice”** means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Tenders.
- (g) **“Obstructive practice” (applicable in case of Development Partner)** means deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and /or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.
- (h) Should any corrupt, fraudulent, collusive, coercive (or obstructive in case of Development Partner) practice of any kind is determined by the Procuring Entity or the Development Partner, if applicable, this will be dealt in accordance with the provisions of the Public Procurement Act and Rules and Guidelines of the Development Partners as stated in the ITT sub-clause 3.3. In case of obstructive practice, this will be dealt in accordance with Development Partners Guidelines.

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- (i) If corrupt, fraudulent, collusive, coercive (or obstructive in case of Development Partner) practices of any kind is determined by the Procuring Entity against any Tenderer or Supplier (including its manufacturers, sub-contractors, agents, personnel, consultants, and service providers) in competing for, or in executing, a contract under public fund;
    - i. Procuring Entity and/or the Development Partner shall exclude the concerned Tenderer from further participation in the concerned procurement proceedings;
    - ii. Procuring Entity and/or the Development Partner shall reject any recommendation for award that had been proposed for that concerned Tenderer;
    - iii. Procuring Entity and/or the Development Partner shall declare, at its discretion, the concerned Tenderer to be ineligible to participate in further Procurement proceedings, either indefinitely or for a specific period of time;
    - iv. Development Partner shall sanction the concerned Tenderer or individual, at any time, in accordance with prevailing Development Partner' sanctions procedures, including by publicly declaring such Tenderer or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Development Partner-financed contract; and (ii) to be a nominated sub-contractor, consultant, manufacturer or Supplier, or service provider of an otherwise eligible firm being awarded a Development Partner-financed contract: and
    - v. Development Partner shall cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Procuring Entity or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, coercive or obstructive practices during the procurement or the execution of that Development Partner financed contract, without the Procuring Entity having taken timely and appropriate action satisfactory to the Development Partner to remedy the situation
  - 4.1 Tenderer shall be aware of the provisions on corruption, fraudulence, collusion, coercion (and obstruction, in case of Development Partner) of the Public Procurement Act, 2006, the Public Procurement Rules, 2008 and others as stated in GCC Clause 6.
  - 4.2 In further pursuance of this policy, Tenderers, Suppliers and their manufacturers, sub-contractors, agents, personnel, consultants, service providers shall permit the Government and the Development Partner to inspect any accounts and records and other documents relating to the Tender submission and contract performance, and to have them audited by auditors appointed by the Government and/or the Development Partner during the procurement or the execution of that Development Partner financed contract.

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- 5. Eligible Tenderers**
- 5.1 This Invitation for Tenders is open to eligible Tenderers from all countries, except for any specified in the **TDS**.
  - 5.2 Tenderers shall have the legal capacity to enter into the Contract.
  - 5.3 Tenderers may be a physical or juridical individual or body of individuals, or company invited to take part in public procurement or seeking to be so invited or submitting a Tender in response to an Invitation for Tenders.
  - 5.4 Tenderers shall have fulfilled its obligations to pay taxes and social security contributions under the provisions of laws and regulations of the country of its origin.
  - 5.5 Tenderers should not be associated, or have been associated in the past, directly or indirectly, with a consultant or any of its affiliates which have been engaged by the Procuring Entity to provide consulting services for the preparation of the specifications and other documents to be used for the procurement of the Goods to be supplied under this Invitation for Tenders.
  - 5.6 Tenderers in its own name or its other names or also in the case of its Persons in different names, shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive, coercive practices as stated under ITT Sub Clause 4.4 (or obstructive practice, in case of Development Partner) in relation to the Development Partner's Guidelines in projects financed by Development Partner.
  - 5.7 Tenderers are not restrained or barred from participating in public Procurement on grounds of execution of defective supply in the past under any Contract.
  - 5.8 Tenderers shall not be insolvent, be in receivership, be bankrupt, be in the process of bankruptcy, be not temporarily barred from undertaking business and it shall not be the subject of legal proceedings for any of the foregoing.
  - 5.9 Government-owned enterprise in Bangladesh may also participate in the Tender if it is legally and financially autonomous, it operates under commercial law, and it is not a dependent agency of the Procuring Entity.
  - 5.10 Tenderers shall provide such evidence of their continued eligibility satisfactory to the Procuring Entity, as the Procuring Entity will reasonably request.
  - 5.11 These requirements for eligibility will extend, as applicable, to Sub-contractor proposed by the Tenderer.
- 6. Eligible Goods and Related Services**
- 6.1 All goods and related services to be supplied under the contract are eligible, unless their origin is from a country specified in the **TDS**.

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6.2 For purposes of this Clause, the term “**goods**” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, transportation, installation, and commissioning, training, and initial maintenance.

For purposes of this clause, “**origin**” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or through manufacturing, processing, or assembling, another commercially recognized new product results that differs substantially in its basic characteristics from its components.

6.3 The origin of Goods and related services is distinct from the nationality of the Tenderer.

## 7. Site Visit

7.1 The costs of visiting the Site shall be at the Tenderer’s own expense.

## B. Tender Document

### 8. Tender Document: General

8.1 The Sections comprising the Tender Document are listed below and should be read in conjunction with any addendum issued under ITT Clause 11.

- Section 1 Instructions to Tenderers (ITT)
- Section 2 Tender Data Sheet (TDS)
- Section 3 General Conditions of Contract (GCC)
- Section 4 Particular Conditions of Contract (PCC)
- Section 5 Tender and Contract Forms
- Section 6 Schedule of Requirements
- Section 7 Technical Specifications
- Section 8 Drawings

8.2 The Procuring Entity is not responsible for the completeness of the Tender Document and their addenda, if these were not purchased directly from the Procuring Entity, or through its agent as specified in the **TDS**

8.3 Tenderers are expected to examine all instructions, forms, terms, and specifications in the Tender Document as well as in addendum to Tender, if any.

### 9. Clarification of Tender Documents

9.1 A prospective Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity’s address and within time as specified in the **TDS**

9.2 The Procuring Entity is not obliged to answer any clarification received after that date requested under ITT Sub Clause 9.1.

9.3 The Procuring Entity shall respond in writing within five (5) working days of receipt of any such request for clarification received under ITT Sub-Clause 9.1

9.4 The Procuring Entity shall forward copies of its response to all those who have purchased the Tender Document, including a description of the enquiry but without identifying its source.

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**10. Pre-Tender Meeting**

- 9.5 Should the Procuring Entity deem it necessary to amend the Tender Document as a result of a clarification, it shall do so following the procedure under ITT Clause 11.
- 10.1 To clarify issues and to answer questions on any matter arising in the Tender Document, the Procuring Entity may, if stated in the **TDS**, hold a pre-Tender Meeting at the place, date and time as specified in the **TDS**. All Potential Tenderers are encouraged to attend the meeting, if it is held.
- 10.2 Tenderers are requested to submit any questions in writing so as to reach the Procuring Entity not later than one day prior to the date of the meeting.
- 10.3 Minutes of the pre-Tender meeting, including the text of the questions raised and the responses given, together with any responses prepared after the meeting, will be transmitted within five (5) working days after holding the meeting to all those who purchased the Tender document and to even those who did not attend the meeting. Any revision to the Tender Document listed in ITT Sub Clause 8.1 that may become necessary as a result of the pre-Tender meeting will be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT Sub Clause 11 and not through the minutes of the pre-Tender meeting.
- 10.4 Non-attendance at the pre-Tender meeting will not be a cause for disqualification of a Tenderer.

**11. Addendum to Tender Documents**

- 11.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity on its own initiative or in response to a clarification request in writing from a Tenderer, having purchased the Tender Document or as a result of a pre-Tender meeting, may revise the Tender Document by issuing an Addendum.
- 11.2 The Addendum issued under ITT Sub Clause 11.1 shall become an integral part of the Tender Document and shall have a date and an issue number and shall be circulated by fax, mail or e-mail, to Tenderers who have purchased the Tender Documents within five (5) working days of issuance of such Addendum, to enable Tenderers to take appropriate action.
- 11.3 The Procuring Entity shall also ensure posting of the relevant addenda with the reference number and date on their websites including notice boards. where the Procuring Entity had originally posted the IFTs
- 11.4 To give a prospective Tenderer reasonable time in which to take an amendment into account in preparing its Tender, the Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders, pursuant to ITT Clause 37.2.
- 11.5 If an Addendum is issued when time remaining is less than **one-third** of the time allowed for the preparation of Tenders, the Procuring Entity shall extend the deadline by an appropriate number of days for the submission of Tenders{ XE "deadline for the submission of Tenders" \i }, depending upon the nature of the Procurement requirement and the addendum. The minimum time for such extension shall not be less than three days.

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## C. Qualification Criteria

- 12. General Criteria**
- 12.1 Tenderers shall possess the necessary professional and technical qualifications and competence, financial resources, equipment and other physical facilities, managerial capability, specific experience, reputation, and the personnel, to perform the contract, which entails setting pass/fail criteria, which if not met by the Tenderers, will result in consideration of its Tender as non-responsive.
- 12.2 In addition to meeting the eligibility criteria, as stated under ITT Clause 5, the Tenderer must satisfy the other criteria as stated under ITT Clause 13 to 15 inclusive.
- 12.3 To qualify for multiple number of contracts/lots in a package made up of this and other individual contracts/lots for which Tenders are invited in the Invitation for Tenders, the Tenderer shall demonstrate having resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts. The requirement of general experience as stated under ITT Sub Clause 14.1(a) and specific experience, unless otherwise of different nature, as stated under ITT Sub Clause 14.1(b) shall not be separately applicable for each individual lot.
- 13. Litigation History**
- 13.1 Litigation history shall comply with the requirement as stated under ITT Sub Clause 15.1(b).
- 14. Experience Criteria**
- 14.1 Tenderers shall have the following minimum level of supply experience to qualify for supplying the Goods and related Services under the contract:
- (a) a minimum number of years of general experience in the supply of Goods and related services as specified in the **TDS**;
  - (b) specific experience of satisfactory completion of supply of Goods similar to the proposed goods in at least a number of contract(s) and, each with a minimum value, over the period, as specified in **TDS**; and
  - (c) a minimum supply and/or production capacity of Goods as specified in the **TDS**.
- 15. Financial Criteria**
- 15.1 Tenderers shall have the following minimum level of financial capacity to qualify for the supply of goods under the contract:
- (a) availability of minimum liquid assets i.e. working capital or credit line(s) from any scheduled Bank of Bangladesh, net of other contractual commitments, of the amount as specified in the **TDS**
  - (b) satisfactory resolution of all claims under litigation cases and shall not have serious negative impact on the financial capacity of the Tenderers. All pending litigation shall be treated as resolved against the Tenderers.

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- 16. Subcontractor(s)**
- 16.1** Tenderers may intend to subcontract an activity or portion of the Goods, in which case such elements and the proposed Subcontractor shall be clearly identified.
- 16.2 The Procuring Entity may require Tenderers to provide more information about their subcontracting arrangements. If any Subcontractor is found ineligible or unsuitable to carry out the subcontracted tasks, the Procuring Entity may request the Tenderers to propose an acceptable substitute.
- 16.3** A Subcontractor may participate in more than one Tender, but only in that capacity.

## **D. Tender Preparation**

### **17. Only One Tender**

- 17.1 If a Tender for Goods is invited for one or more items on an 'item-by-item' basis, in such case the offer for each item shall correspond to full quantity under that particular item and each such item shall constitute a Tender. A Tenderer who submits or participates in more than one (1) Tender for each item will cause all the Tenders with that Tenderer's participation to be rejected.
- 17.2 If a Tender for Goods is invited for a single lot/package, the single lot/package shall constitute a Tender. Tenderers shall submit only one (1) Tender for the lot/package. Tenderer who submits more than one (1) Tender in the lot/package will cause all the Tenders of that particular Tenderer to be rejected.
- 17.3 If a Tender for Goods is invited for a number of lots on a "lot-by-lot" basis, each such lot shall constitute a Tender. Tenderers shall submit only one (1) Tender for each lot. Tenderer who submits more than one (1) Tender in one (1) lot of the package will cause all the Tenders of that particular Tenderer to be rejected.

### **18. Cost of Tendering**

- 18.1 Tenderers shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

### **19. Issuance and Sale of Tender Document**

- 19.1 The Procuring Entity shall make Tender Documents available immediately to the potential Tenderers, requesting and willing to purchase at the corresponding price by the date the advertisement has been published in the newspaper.
- 19.2 There shall not be any pre-conditions whatsoever, for sale of Tender Document and the sale of such Document shall be permitted up to the day prior to the day of deadline for the submission of Tender.

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- 20. Language of Tender**
- 20.1 Tenders shall be written in the English language. Correspondences and documents relating to the Tender may be written in English or *Bangla*. Supporting documents and printed literature furnished by the Tenderer that are part of the Tender may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the English or *Bangla* language, in which case, for purposes of interpretation of the Tender, such translation shall govern.
- 20.2 Tenderers shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.
- 21. Contents of Tender**
- 21.1 The Tender prepared by the Tenderer shall comprise the following:
- (a) the Tender Submission Letter (**Form PG3-1**), as stated under with ITT Sub Clause 22.1;
  - (b) the Tenderer Information as stated under ITT Clauses 5,26 and 27(**Form PG3-2**);
  - (c) the priced Schedule for each lot (**Form PG3-4A and PG3-4B**)as stated under ITT Clauses 22, 24and 25;
  - (d) the Tender Security as stated under ITT Clause 31, 32 and 33;
  - (e) the completed Specifications Submission and Compliance Sheet (**Form PG3-5**)as stated under ITT clause 27.2;
  - (f) the alternatives, if permissible, as stated under with ITT Clause 23;
  - (g) the written confirmation authorising the signatory of the Tender to commit the Tenderer, as stated under ITT SubClause 36.3;
  - (h) the Valid Trade License;
  - (i) documentary evidence of Tax Identification Number (TIN) and Value Added Tax (VAT) as a proof of taxation obligations as stated under ITT Sub Clause 5.4;
  - (j) documentary evidence as stated under ITT **Clause 26, 27and 28**; establishing the Tenderer's eligibility, eligibility and conformity of the Goods and related services and, the minimum qualifications of the Tenderers required to be met for due performance of the Goods and related services under the Contract;
  - (k) documents establishing legal and financial autonomy and compliance with commercial law, as stated under ITT Sub Clause 5.9 in case of government owned entity; and
  - (l) any other document as specified in the **TDS**.
- 22. Tender Submission Letter and**
- 22.1 Tenderers shall submit the Tender Submission Letter (**Form PG3-1**), which shall be completed without any alterations to its format, filling in all blank spaces with the information requested, failing which the Tender may be rejected as being incomplete.

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- Price Schedule**
- 22.2 Tenderers shall submit the priced Schedule using the form(s) furnished in **Section 5: Price Schedule**.
- 22.3 If in preparing its Tender, the Tenderer has made errors in the unit rate or the total price, and wishes to correct such errors prior to submission of its Tender, it may do so, but shall ensure that each correction is initialled by the authorised person of the Tenderer
- 23. Alternatives**
- 23.1 Unless otherwise stated in the **TDS**, Technical alternatives shall not be considered.
- 23.2 Only the technical alternatives, if any, of the lowest evaluated Tenderer conforming to the basic technical requirements will be considered by the Procuring Entity.
- 24. Tender Prices and Discounts**
- 24.1 The prices and discounts quoted by the Tenderer in the Tender Submission Letter (**Form PG3-1**) and in the Price Schedule (**Form PG3-4A and PG3-4B**) shall conform to the requirements specified below.
- 24.2 Tenderers shall fill in unit rates for the items of the Goods both in figures and in words as described in the Price Schedule.
- 24.3 Tenders are being invited either for one or more items on an 'item-by-item' basis or for a single lot or for a number of lots on 'lot-by-lot' basis, as specified in the **TDS**.
- 24.4 All items or lots in Section 6: **Schedule of Requirements** must be listed and priced separately on the Price Schedule following the Form **PG3-4A** and **PG3-4B**.
- 24.5 Tenders being invited either for one or more items on an 'item-by-item' basis or for a single lot/package or for number of lots on 'lot-by-lot' basis as stated under ITT Sub Clause 24.3, price quoted for an item shall correspond to full quantity under that particular item; otherwise the Tenders shall be considered non-responsive.
- 24.6 Tenders being invited for a single lot or for a number of lots on 'lot-by-lot' basis, price quoted shall correspond to 100% of the items specified for each lot and to 100% of the quantities specified for each item of that particular lot and shall correspond to 100% of the total offered lot value, unless otherwise stated in the **TDS**.
- Tenders being invited for a number of lots on "lot-by-lot" basis, the lot not quoting at least eighty (80) percent of the total number of items under that lot and, not representing at least sixty five (65) percent of the equivalent lot value shall be considered non-responsive.

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- 24.7 A Lot Tender not offering minimum number of items of those being priced based on percentage of the total number of items as specified in the ITT Sub-Clause 24.6 and the corresponding minimum value based on percentage of the total lot value as specified in the ITT Sub-Clause 24.6 shall also be considered non-responsive
- 24.8 Subject to ITT Sub-Clause 24.6, a Lot tender not offering a particular item which represents more than fifty percent (50%) of the estimated lot value identified by the Procuring Entity and specified in the **TDS**, even if it complies with the requirement of minimum number of items based on percentage of the total number of items as stated under ITT Sub Clause 24.6, shall be considered non-responsive.
- 24.9 The price to be quoted in Tender Submission Letter (**Form PG3-1**) shall be the total price of the Tender, excluding any discounts offered.
- 24.10 Tenderers shall quote any unconditional discounts and the methodology for application of that discount in the Tender Submission Letter as stated under ITT Sub Clause **24.12**
- 24.11 Tenderers wishing to offer any unconditional discount for the award of more than one lot shall specify the discount applicable to each lot, or alternatively, to any combination of lots within the package in their Tender. Discounts will be submitted as stated under ITT Sub Clause 24.11, provided the Tenders for all lots are submitted and opened together.
- 24.12 All applicable taxes, custom duties, VAT and other levies payable by the Contractor under the Contract, or for any other causes, as of the date twenty-eight (28) days prior to the deadline for submission of Tenders, shall be included in the unit rates and the total Tender price submitted by the Tenderers.
- 24.13 The price of a Contract shall be fixed in which case the unit prices may not be modified in response to changes in economic or commercial conditions.
- 25. Tender Currency** 25.1 Tenderers shall quote all prices in the Tender Submission Letter and in the Price schedule in Bangladesh Taka (BDT) currency.
- 26. Documents Establishing the Eligibility of the Tenderer** 26.1 Tenderers, if applying as a sole Tenderer, shall submit documentary evidence to establish its eligibility as stated under ITT Clause 5 and, in particular, it shall:
- (a) complete the eligibility declarations in the Tender Submission Letter (**Form PG3-1**);
  - (b) complete the Tenderer Information (**Form PG3-2**);
  - (c) complete Subcontractor Information (**Form PG3-3**), if it intends to engage any Subcontractor(s).
- 27. Documents Establishing the Eligibility and Conformity** 27.1 Tenderers shall complete the country of origin declarations in the Price Schedule Forms and, submit documentary evidence to establish the origin of all Goods and related services to be supplied under the Contract as stated under ITT Clause 6.

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**of the Goods  
and Related  
services**

27.2 To establish the conformity of the Goods and related services to the Tender Documents, the Tenderer shall furnish as part of its Tender the documentary evidence that the Goods and related services conform to the technical specifications and standards in **Section 7, Technical Specifications.**

27.3 Documentary evidence of conformity of the Goods and related services to the Tender Documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) a detailed description of the essential technical and performance characteristics of the Goods;
- (b) an “item-by-item” commentary on the Procuring Entity’s Technical Specifications demonstrating substantial responsiveness of the Goods and related services to those specifications.

**28. Documents  
Establishing  
the Tenderer’s  
Qualifications**

28.1 Tenderers shall complete and submit the Tenderer Information (**Form PG3-2**) and shall include documentary evidence, as applicable to satisfy the following:

- (a) general experience in the supply of Goods and related services as stated under ITT Sub Clause 14.1(a), substantiated by the year of Tenderer’s registration/constitution/licensing in its country of origin;
- (b) specific experience of satisfactory completion of supply of Goods and related services under public or private sector of similar nature and size as stated under ITT Sub Clause 14.1(b), substantiated by Completion Certificate (s) issued, or duly certified, by the relevant Procuring Entity(s);
- (c) a minimum supply and/or production capacity of Goods and related services as stated under ITT Sub Clause 14.1(c), substantiated by the relevant documents or updated brochures of the supplier and/or manufacturer;
- (d) adequacy of minimum liquid assets i.e working capital substantiated by Audit Reports or bank statement or credit line(s) substantiated by any scheduled Bank of Bangladesh in the format as specified (**Form PG3-8**), without alteration as stated under ITT Sub Clause 15.1(a);
- (e) information regarding claims under litigation, current or during the last years as specified in the **TDS**, in which the Tenderer is involved, the parties concerned, and value of claim as stated under ITT Sub Clause 15.1(b), substantiated by statement in its letter-head pad;
- (f) if required in the **TDS**, a Tenderer that does not manufacture or produce the Goods shall submit the **Manufacturer’s Authorization Letter (Form PG3-6)**;
- (g) authority to seek references from the Tenderer’s Bankers or any other sources in its letter-head pad; and
- (h) reports on the financial standing of the Tenderers, such as

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profit and loss statements and audited balance sheet for the past years as specified in the **TDS**, substantiated by Audit Reports.

- 29. Validity Period of Tender** 29.1 Tenders shall remain valid for the period specified in the **TDS** after the date of Tender submission deadline prescribed by the Procuring Entity. A Tender valid for a period shorter than that specified will be considered non- responsive.
- 30. Extension of Tender Validity and Tender Security** 30.1 In exceptional circumstances, prior to the expiration of the Tender Validity period, the Procuring Entity may solicit all the Tenderers' consent to an extension of the period of validity of their Tenders; provided that those Tenderers have passed the preliminary examination as stated under ITT Sub Clause 47.2.
- 30.2 The request for extension of Tender Validity period shall state the new date of the validity of the Tender.
- 30.3 The request and the responses shall be made in writing. Validity of the Tender Security provided under ITT Clause 31 shall also be suitably extended for twenty-eight (28) days beyond the new date for the expiry of the Tender Validity. If a Tenderer does not respond or refuses the request it shall not forfeit its Tender Security, but its Tender shall no longer be considered in the evaluation proceedings. A Tenderer agreeing to the request will not be required or permitted to modify its Tender.
- 31. Tender Security** 31.1 Tenderers shall furnish as part of its Tender, in favour of the Procuring Entity or as otherwise directed on account of the Tenderer, a Tender Security in original form (not copy) and in the amount, as specified in the **TDS**.
- 31.2 One Tender Security, in a separate envelope, at the percentage as specified in **TDS**, of the total value of the items quoted by the Tenderer, shall be submitted, if so indicated that the Tenders for one or more items are invited on an "item-by-item" basis.
- 31.3 In case of substitution of the Tender as stated under ITT Clause 42a new Tender Security shall be required in the substituted Tender.
- 32. Form of Tender security** 32.1 The Tender Security shall:
- (a) at the Tenderer's option, be either;
    - i. in the form of a Bank Draft or Pay Order, or
    - ii. in the form of an irrevocable unconditional Bank Guarantee issued by any scheduled Bank of Bangladesh, in the format **(Form PG3-7)**, without any alteration, furnished in Section 5: Tender and Contract Forms;
  - (b) be payable promptly upon written demand by the Procuring Entity in the case of the conditions, as stated under ITT Clause 35.1 being invoked; and
  - (c) remain valid for at least twenty-eight (28) days beyond the expiry date of the Tender Validity in order to make a claim in due course against a Tenderer in the

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circumstances as stated under ITT Clause 35.1.

- 33. Authenticity of Tender Security**
- 33.1 The authenticity of the Tender Security submitted by a Tenderer may be examined and verified by the Procuring Entity at its discretion in writing from the Bank issuing the security.
- 33.2 If a Tender Security is found to be not authentic, the Procuring Entity may proceed to take measures against that Tenderer as stated under ITT Sub Clause 4.4.
- 33.3 A Tender not accompanied by a valid Tender Security will be considered non-responsive.
- 34. Return of Tender Security**
- 34.1 No Tender Security shall be returned to the Tenderers before contract signing.
- 34.2 Unsuccessful Tenderer's Tender Security will be discharged or returned as soon as possible but within twenty-eight (28) days after the expiry of the Tender Validity period as stated under ITT Sub Clause 29.1
- 34.3 The Tender Security of the successful Tenderer will be discharged upon the Tenderer's furnishing of the performance security and signing of the Agreement.
- 35. Forfeiture of Tender Security**
- 35.1 The Tender Security may be forfeited, if a Tenderer:
- (a) withdraws its Tender after opening of Tenders but within the validity of the Tender, as stated under ITT Sub Clause 29 and 30; or
  - (b) refuses to accept a Notification of Award, as stated under ITT Sub Clause 61.3{ XE "Contract award" \i }; or
  - (c) fails to furnish performance security, as stated under ITT Sub Clause 62.1; or
  - (d) refuses to sign the Contract, as stated under ITT Sub Clause 67.2; or
  - (e) does not accept the correction of the Tender price following the correction of arithmetic errors, as stated under ITT Sub Clause 51.
- 36. Format and Signing of Tender**
- 36.1 Tenderers shall prepare one (1) original of the documents comprising the Tender as described in ITT Clause 21 and clearly mark it "ORIGINAL". In addition, the Tenderer shall prepare the number of copies of the Tender, as specified in the TDS and clearly mark each of them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail.
- 36.2 Alternatives, if permitted under ITT Clause 23, shall be clearly marked "Alternative".
- 36.3 The original and each copy of the Tender shall be typed or written

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in indelible ink and shall be signed by the Person duly authorized to sign on behalf of the Tenderer. This Tender specific authorization shall be attached to the Tender Submission Letter (**Form PG3-1**). The name and position held by each Person(s) signing the authorization must be typed or printed below the signature. All pages of the original and of each copy of the Tender, except for un-amended printed literature, shall be numbered sequentially and signed by the person signing the Tender.

- 36.4 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the Person(s) signing the Tender.

## **E. Tender Submission**

### **37. Sealing, Marking and Submission of Tender**

- 37.1 Tenderer shall enclose the original in one (1) envelope and all the copies of the Tender, including the alternative , if permitted under ITT Clause 23 in another envelope, duly marking the envelopes as “ORIGINAL (O)” “ALTERNATIVE (A)” (if permitted) and “COPY.” These sealed envelopes will then be enclosed and sealed in one (1) single outer envelope.

- 37.2 The inner and outer envelopes shall:
- be addressed to the Procuring Entity as stated under ITT SubClause 38.1;
  - bear the name of the Tender and the Tender Number as stated under ITT Sub Clause 1.1;
  - bear the name and address of the Tenderer;
  - bear a statement “DO NOT OPEN BEFORE...” the time and date for Tender opening, as stated under ITT Sub Clause 44.1
  - bear any additional identification marks as specified in the **TDS**

- 37.3 Tenderers are solely and entirely responsible for pre-disclosure of Tender information if the envelope(s) are not properly sealed and marked.

- 37.4 Tenders shall be delivered by hand or by mail, including courier services to location as designated in the ITT Sub Clause 38.1.

- 37.5 The Procuring Entity will, on request, provide the Tenderer with a receipt showing the date and time when it's Tender was received.

### **38. Deadline for Submission of Tenders**

- 38.1 Tenders shall be delivered to the Procuring Entity at the address specified in the **TDS** and not later than the date and time specified in the **TDS**.

- 38.2 The Procuring Entity may, at its discretion, extend the deadline for submission of Tender as stated under ITT Sub Clause 37.1, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline will thereafter be subject to the new deadline as extended.

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- 38.3 If submission of Tenders is allowed in more than one location, the date and time, for submission of Tenders for both the primary and the secondary place(s), shall be the “**same and not different**” as specified in the **TDS**.
- 38.4 The Procuring Entity shall ensure that the Tenders received at the secondary place(s) are hand-delivered at the primary place as stated under ITT Sub Clause 38.1, within THREE (3) HOURS after the deadline for submission of Tenders at the secondary place (s), in case of MULTIPLE DROPPING as stated under ITT Sub Clause 38.3, as specified in the **TDS**.
- 39. Late Tender** 39.1 Any Tender received by the Procuring Entity after the deadline for submission of Tenders as stated under ITT Sub Clause 38.1, shall be declared LATE and returned unopened to the Tenderer.
- 40. Modification, Substitution or Withdrawal of Tenders** 40.1 Tenderers may modify, substitute or withdraw its Tender after it has been submitted by sending a written notice duly signed by the authorised signatory properly sealed, and shall include a copy of the authorisation; provided that such written notice including the affidavit is received by the Procuring Entity prior to the deadline for submission of Tenders as stated under ITT Sub Clause 38.1.
- 41. Tender Modification** 41.1 Tenderers shall not be allowed to retrieve its original Tender, but shall be allowed to submit corresponding modification to its original Tender marked as “**MODIFICATION**”.
- 42. Tender Substitution** 42.1 Tenderers shall not be allowed to retrieve its original Tender, but shall be allowed to submit another Tender marked as “**SUBSTITUTION**”.
- 43. Withdrawal of Tender** 43.1 Tenderers shall be allowed to withdraw its Tender by a Letter of Withdrawal marked as “**WITHDRAWAL**”.

## F. Tender Opening and Evaluation

- 44. Tender Opening** 44.1 Tenders shall be opened immediately after the deadline for submission of Tenders at the primary place as specified in the **TDS** but not later than **ONE HOUR** after expiry of the submission deadline at the same primary place unless otherwise stated under ITT Sub Clause 44.2.
- 44.2 If submission of Tenders is allowed in more than one location as stated under ITT Sub Clause 38.3 and 38.4, Tenders shall be opened, immediately after receipt of Tenders from all the secondary place(s), at the primary place.
- 44.3 Persons not associated with the Tender may not be allowed to attend the public opening of Tenders.
- 44.4 Tenderers’ representatives shall be duly authorized by the Tenderer. Tenderers or their authorised representatives will be allowed to attend and witness the opening of Tenders, and will sign a register evidencing their attendance.

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- 44.5 The authenticity of withdrawal or substitution of, or modifications to original Tender, if any made by a Tenderer in specified manner, shall be examined and verified by the Tender Opening Committee (TOC) based on documents submitted under ITT Sub Clause 40.1.
- 44.6 Ensuring that only the correct (M), (S), (A),(O) envelopes are opened, details of each Tender will be dealt with as follows:
- (a) the Chairperson of the TOC will read aloud each Tender and record in the Tender Opening Sheet (TOS);
    - (i) the name and address of the Tenderer;
    - (ii) state if it is a withdrawn, modified, substituted, or original Tender;
    - (iii) the Tender price;
    - (iv) any discounts;
    - (v) any alternatives;
    - (vi) the presence or absence of any requisite Tender Security; and
    - (vii) such other details as the Procuring Entity, at its discretion, may consider appropriate;
  - (b) only discounts and alternative read aloud at the Tender opening will be considered in evaluation;
  - (c) all pages of the original version of the Tender, except for un-amended printed literature, will be initialled by members of the TOC.
- 44.7 Upon completion of Tender opening, all members of the TOC and the Tenderers or Tenderer's duly authorised representatives attending the Tender opening shall sign by name, address, designation, the TOS, copies of which shall be issued to the Head of the Procuring Entity or an officer authorised by him or her and also to the members of the Tender Opening Committee and any authorised Consultants and, to the Tenderers immediately
- 44.8 The omission of a Tenderer's signature on the record shall not invalidate the contents and effect of the record under ITT Sub-Clause 44.7.
- 44.9 No Tender will be rejected at the Tender opening stage except the LATE Tenders as stated in the ITT Clause 39.
- 45. Evaluation of Tenders**
- 45.1 Tenders shall be examined and evaluated only on the basis of the criteria specified in the Tender Document.
- 45.2 **Tender Evaluation Committee (TEC)** shall examine, evaluate and compare Tenders that are responsive to the requirements of Tender Documents in order to identify the successful Tenderer.

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- 46. Evaluation process**
- 46.1 TEC may consider a Tender as responsive in the Evaluation, only if it is submitted in compliance with the mandatory requirements set out in the Tender Document. The evaluation process should begin immediately after tender opening following four steps:
- (a) Preliminary Examination;
  - (b) Technical Examinations and Responsiveness;
  - (c) Financial evaluation and price comparison;
  - (d) Post-qualification of the lowest evaluated responsive Tenders.
- 47. Preliminary Examination**
- 47.1 TEC shall examine the Tenders to confirm that all documentation as stated under ITT Clause 21 has been provided, to determine the completeness of each document submitted
- 47.2 TEC shall confirm that the following documents and information have been provided in the tender. If any of these documents or information is missing, the offer shall be rejected;
- (a) Tender Submission Letter;
  - (b) Priced Schedule;
  - (c) Written confirmation authorizing the signatory of the Tender to commit the Tenderer; and
  - (d) Valid Tender Security.
- 48. Technical Examinations and Responsiveness**
- 48.1 TEC's determination of a Tender's responsiveness is to be based on the contents of the Tender itself without recourse to extrinsic evidence.
- 48.2 A responsive Tender is one that conforms in all respects to the requirements of the Tender Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) affects in any substantial way the scope, quality, or performance of the Goods and related services specified in the Contract; or
  - (b) limits in any substantial way, or is inconsistent with the Tender Documents, the Procuring Entity's rights or the Tenderer's obligations under the Contract; or
  - (c) if rectified would unfairly affect the competitive position of other Tenderers presenting responsive tenders.

During the evaluation of Tenders, the following definitions shall apply:

**"Deviation"** is a departure from the requirements specified in the Tender Document;

**"Reservation"** is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Tender Document; and

**"Omission"** is the failure to submit part or all of the information or documentation required in the Tender Document.

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- 48.3 If a Tender is not responsive to the mandatory requirements set out in the Tender Document, shall not subsequently be made responsive by the Tenderer by correction of the material deviation, reservation, or omission.
- 48.4 There shall be no requirement as to the minimum number of responsive tenders.
- 48.5 There shall be no automatic exclusion of Tenders which are above or below the official estimate.
- 48.6 TEC will examine the adequacy and authenticity of the documentary evidence which may follow the order below:
- (a) verification of the completeness of the country of origin declaration in the Price Schedule for Goods and related services (**Form PG3-4A and 4B**) to determine the eligibility of the Goods and related services.
  - (b) verification and examination of the documentary evidence and completed Specification Submission Sheet (**Form PG3-5**) to determine the conformity of the Goods and related services .
  - (c) verification and examination of the documentary evidence that the Tenderer's qualifications conform to the Tender Document and the Tenderer meets each of the qualification criterion specified in SubSection C, Qualification Criteria.
- 48.7 Provided that a Tender is responsive, TEC may request that the Tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Tender related to documentation requirements. Such omission shall not be related to any aspect of the rates of the Tender reflected in the completed Price Schedule or any mandatory criteria. Failure of the Tenderer to comply with the request may result in the consideration of its Tender as non-responsive.
- 48.8 The TEC may regard a Tender as responsive even if it contains;
- (a) minor or insignificant deviations which do not meaningfully alter or depart from the technical specifications, characteristics and commercial terms and, conditions or other mandatory requirements set out in the Tender Document; or
  - (b) errors or oversights, that if corrected, would not alter the key aspects of the Tender.

**49. Clarification on Tender**

- 49.1 TEC may ask Tenderers for clarification of their Tenders, in order to facilitate the examination and evaluation of Tenders. The request for clarification by the TEC and the response from the Tenderer shall be in writing, and Tender clarifications which may lead to a change in the substance of the Tender or in any of the key elements of the Tender as stated under ITT Sub Clause 49.2, will neither be sought nor be permitted.

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- 49.2 Change in the Tender price shall not be sought or permitted, except to confirm correction of arithmetical errors discovered by the Procuring Entity in the evaluation of the Tender, as sated under ITT Clause 51.
- 49.3 Any request for clarifications by the TEC shall not be directed towards making an apparently non-responsive Tender responsive and reciprocally the response from the concerned Tenderer shall not be articulated towards any addition, alteration or modification to its Tender.
- 49.4 If a Tenderer does not provide clarifications of its Tender by the date and time set in the TEC's written request for clarification, its Tender shall not be considered in the evaluation.
- 50. Restrictions on the Disclosure of Information**
- 50.1 Following the opening of { XE "Applications" \i }Tenders until issuance of Notification of Award no Tenderer shall, unless requested to provide clarification to its Tender or unless necessary for submission of a complaint, communicate with the concerned Procuring Entity.
- 50.2 Tenderers shall not seek to influence in anyway, the examination and evaluation of the { XE "Applications" \i }Tenders.
- 50.3 Any effort by a Tenderer to influence a Procuring Entity in its decision concerning the evaluation of Tenders, { XE "Applications" \i }Contract awards may result in the rejection of its Tender as well as further action in accordance with Section 64 (5) of the Public Procurement Act 2006.
- 50.4 All clarification requests shall remind Tenderers of the need for confidentiality and that any breach of confidentiality on the part of the Tenderer may result in their Tender being non-responsive.
- 51. Correction of Arithmetical Errors**
- 51.1 Provided that the Tender is responsive, TEC shall correct arithmetical errors on the following basis:
- (a) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the TEC there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted will govern and the unit price will be corrected;
  - (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
  - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 51.2 TEC shall correct the arithmetic errors and shall promptly notify

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## 52. Financial Evaluation

the concerned Tenderer(s), if the Tenderer does not accept the correction of arithmetic errors, its Tender shall be rejected.

- 52.1 TEC will evaluate each Tender that has been determined, up to this stage of the evaluation, to be responsive to the requirements set out in the Tender Document.
- 52.2 To evaluate a Tender, TEC will consider the following:
- (a) Tender price for Item(s) or Lot
  - (b) adjustment for correction of arithmetical errors as stated under ITT Sub Clause 51.2;
  - (c) adjustment for application of the methodology for determining the equivalent lot value, as stated under ITT Sub Clause 23.8, if any;
  - (d) adjustment for application of the economic factors, as stated under ITT Sub Clause 52.6, if any;
  - (e) adjustment in order to take into consideration the unconditional discounts and methodology for application of the discount offered for being awarded more than one lot, as stated under ITT Sub Clauses 24.11 and 24.12, if any.
- 52.3 Variations, deviations, alternatives and other factors which are in excess of the requirements of the Tender Document or otherwise result in unsolicited benefits for the Procuring Entity will not be taken into account in Tender evaluation
- 52.4 If so indicated in the ITT Sub Clause 24.3 the TEC may award one or multiple lots to one Tenderer following the methodology specified in ITT Sub Clause 52.5
- 52.5 To determine the lowest-evaluated lot or combination of lots, the TEC will take into account:
- (a) the lowest-evaluated Tender for each item(s) or lot, as applicable .
  - (b) the resources sufficient to meet the qualifying criteria for the individual lot or aggregate of the qualifying criteria for the multiple lots; and
  - (c) the price reduction on account of discount per lot or combination of lots and the methodology for application of the discount as offered by the Tenderer in its Tender.
- 52.6 The Procuring Entity's evaluation of a Tender may require the consideration of other factors, in addition to the Tender price quoted as stated under ITT Clause 24. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Tenders. The factors, methodologies and criteria to be used shall be as specified in **TDS**. The applicable economic factors, for the purposes of evaluation of Tenders shall be:
- (a) adjustment for deviations in the Delivery and Completion Schedule;

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- (b) cost of major replacement components, mandatory spare parts and service.
- 52.7 If the winning lot is missing some item(s), as stated under ITT Sub Clause 23.8, comprising twenty(20) percent or less number of items in the lot, the Procuring Entity may procure those missing item(s) from the other responsive Tenderer(s) quoting the lowest price for the missing item(s).
- 52.8 TEC may recommend to increase the amount of the Performance Security above the amounts as stated under ITT Sub Clause 62.1 but not exceeding twenty-five (25) percent of the Contract Price, if in the opinion of the TEC, it is found that the Tender is significantly below the updated official estimated cost.
- 53. Assessing the Price of unpriced Items**
- 53.1 If it is so permitted under ITT Clause 24, any Tenderer offered only eighty percent (80%) the items of a lot as stated under ITT Sub-Clause 24.7, the TEC shall calculate the total lot value by adding up the average prices offered by other responsive Tenderers for the missing items to establish the winning lot Tender.
- 53.2 If the winning lot is missing some items as stated under ITT Sub Clause 53.1, comprising less than twenty percent (20%), the Procuring Entity may procure the missing items from the Tenderer offering the least cost for those remaining items.
- 54. Price Comparison**
- 54.1 TEC shall compare all responsive Tenders to determine the lowest-evaluated Tender, as stated under ITT Clause 52.
- 54.2 In the extremely unlikely event that there is a tie for the lowest evaluated price, the Tenderer with the superior past performance with the Procuring Entity shall be selected, whereby factors such as delivery period, quality of Goods delivered, complaints history and performance indicators could be taken into consideration.
- 54.3 In the event that there is a tie for the lowest price and none of the Tenderers has the record of past performance with the Procuring Entity, then the Tenderer shall be selected, subject to firm confirmation through the Post-qualification process described in ITT Clause 55, after consideration as to whether the quality of Goods that is considered more advantageous by the end-users.
- 54.4 The successful Tenderer as stated under ITT Sub Clauses 53.1, 53.2 and 53.3 shall not be selected through lottery under any circumstances.
- 55. Negotiation**
- 55.1 No negotiations shall be held during the Tender evaluation or award, with the lowest or any other Tenderer.
- 56. Post-qualification**
- 56.1 The determination on Post-qualification shall be based upon an examination of the documentary evidence of the Tenderer's eligibility and qualifications submitted by the Tenderer as stated under ITT Clause 26 and 28, clarifications as stated under ITT Clause 49 and the qualification criteria as stated under ITT Clause 12,13,14 and 15. Factors not included therein shall not

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be used in the evaluation of the Tenderer's qualification.

56.2 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in rejection of the Tenderer's tender, in which event the TEC shall proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform the Contract satisfactorily, if awarded.

56.3 TEC may verify information contained in the Tender by visiting the premises of the Tenderer as a part of the post qualification process, if practical and appropriate.

**57. Procuring Entity's Right to Accept any or to Reject Any or All Tenders**

57.1 The Procuring Entity reserves the right to accept any Tender or to reject any or all the Tenders any time prior to contract award and, to annul the Procurement proceedings with prior approval of the Head of the Procuring Entity, any time prior to the deadline for submission of Tenders following specified procedures, without thereby incurring any liability to Tenderers, or any obligations to inform the Tenderers of the grounds for the Procuring Entity's action.

**58. Rejection of All Tenders**

58.1 The Procuring Entity may, in the circumstances as stated under ITT SubClause 57.2, reject all Tenders following recommendations from the TEC only after the approval of such recommendations by the Head of the Procuring Entity.

58.2 All Tenders can be rejected, if -

- (a) the price of the lowest evaluated Tender exceeds the official estimated cost, provided the estimate is realistic; or
- (b) there is evidence of lack of effective competition; such as non-participation by a number of potential Tenderers; or
- (c) the Tenderers are unable to propose completion of the delivery within the stipulated time in its offer, though the stipulated time is reasonable and realistic; or
- (d) all Tenders are non-responsive; or
- (e) evidence of professional misconduct, affecting seriously the Procurement process, is established pursuant to Rule 127 of the Public Procurement Rules, 2008.

58.3 Notwithstanding anything contained in ITT Sub Clause 57.2 Tenders may not be rejected if the lowest evaluated price is in conformity with the market price.

**59. Informing Reasons for Rejection**

59.1 Notice of the rejection will be given promptly within seven (7) working days of decision taken by the Procuring Entity to all Tenderers and, the Procuring Entity will, upon receipt of a written request, communicate to any Tenderer the reason(s) for its rejection but is not required to justify those reason(s).

## **G. Contract Award**

**60. Award Criteria**

60.1 The Procuring Entity shall award the Contract to the Tenderer whose Tender is responsive to the Tender Document and that has been determined to be the lowest evaluated Tender, provided further that the Tenderer is determined to be Post-

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qualified as stated under ITT Clause 55.

60.2 Tenderers will not be required, as a condition for award, to undertake responsibilities not stipulated in the Tender documents, to change its price, or otherwise to modify its Tender.

**61. Procuring Entity's Right to Vary Quantities**

61.1 The Procuring Entity, within the amount approved, reserves the right at the time of Contract Award to increase or decrease the quantity per item of Goods and related Services originally specified in Section 6: Schedule of Requirements, provided this does not exceed the percentage specified in the **TDS**, and without any change in the unit prices or other terms and conditions of the Tender and the Tender Document.

**62. Notification of Award**

62.1 Prior to the expiry of the Tender Validity period and within one (1) week of receipt of the approval of the award by the Approving Authority{ XE "Approving Authority" \i }, the Procuring Entity shall issue the Notification of Award (NOA) to the successful Tenderer(s).

62.2 The NOA, attaching the contract as per the sample (**Form PG3-9**) to be signed, shall state:

- (a) the acceptance of the Tender by the Procuring Entity;
- (b) the price at which the contract is awarded;
- (c) the amount of the Performance Security and its format;
- (d) the date and time within which the Performance Security shall be furnished; and
- (e) the date and time within which the contract shall be signed.

62.3 The NOA shall be accepted in writing by the successful Tenderer within seven (7) working days from the date of its issuance.

62.4 In the event, the Tenders were invited for one (1) or more items on an "item-by-item" basis, contract(s) will comprise the corresponding item(s) awarded to the successful Tenderer(s) and, Contract(s) will be signed per each of the successful Tenderer(s), covering the corresponding item(s).

62.5 In the event, the Tenders were invited for a single lot , contract will comprise the corresponding items in the lot awarded to the successful Tenderer and, Contract will be signed with the successful Tenderer of the lot, covering the item(s).

62.6 In the event, the Tenders were invited for a number of lots on a "lot-by-lot" basis, contracts will comprise the corresponding items in a lot awarded to the successful Tenderer(s) and, Contract(s) will be signed per each of the successful Tenderer(s) per lot, covering the corresponding item(s).

62.7 Until a formal contract is signed, the NOA shall constitute a Contract, which shall become binding upon the furnishing of a

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		Performance Security and the signing of the Contract by both parties.
<b>63. Performance Security</b>	63.1	Performance Security shall be provided by the successful Tenderer in BDT currency, of the amount as specified in the <b>TDS</b> .
	63.2	The proceeds of the Performance Security shall be payable to the Procuring Entity unconditionally upon first written demand as compensation for Supplier's failure to complete its obligations under the Contract.
	63.3	In the event a Government owned enterprise as stated under ITT Sub Clause 5.10 is the successful Tenderer, there shall be Security Deposit as specified in the <b>TDS</b> , in lieu of the Performance Security, as stated under ITT Sub Clause 62.1.
<b>64. Form and Time Limit for Furnishing of Performance Security</b>	64.1	The Performance Security{ XE " <b>Performance Security</b> " } shall be in the form of a Bank Draft, Pay Order or an irrevocable unconditional Bank Guarantee in the format ( <b>Form PG3-11</b> ), without any alteration, issued by any scheduled Bank of Bangladesh acceptable to the Procuring Entity.
	64.2	Within fourteen (14) days from the date of receipt of the NOA but not later than the date specified therein, the successful Tenderer shall furnish the Performance Security for the due performance of the Contract in the amount specified under ITT Sub Clause 62.1.
<b>65. Validity of Performance Security</b>	65.1	The Performance Security shall be required to be valid until a date twenty-eight (28) days beyond the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations.
<b>66. Authenticity of Performance Security</b>	66.1	The Procuring Entity shall verify the authenticity of the Performance Security submitted by the successful Tenderer by sending a written request to the branch of the Bank issuing the Pay Order, Bank Draft or irrevocable unconditional Bank Guarantee in specified format.
<b>67. Contract Signing</b>	67.1	At the same time as the Procuring Entity issues the NOA, the Procuring Entity shall send the draft Contract Agreement and all documents forming the Contract to the successful Tenderer(s).
	67.2	Within twenty-eight (28) days of the issuance of NOA, the successful Tenderer(s) and the Procuring Entity shall sign the contract.
	67.3	Failure of the successful Tenderer(s) to furnish the Performance Security, as stated under ITT Sub Clause 62.1, or sign the Contract, as stated under ITT Sub Clause 66.2, shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the next

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		lowest evaluated responsive Tenderer(s), who is determined by the TEC to be qualified to perform the Contract satisfactorily.
<b>68. Publication of Notification of Award of Contract</b>	68.1	The NOA for Contract of Taka one crore and above { XE "threshold value" \i } shall be notified by the Procuring Entity to the Central Procurement Technical Unit { XE "Central Procurement Technical Unit" \i } within 7(seven) days of its issuance for publication in their website, and that notice shall be kept posted for not less than a month.
	68.2	The NOA for Contract below Taka one crore, shall be published by the Procuring Entity on its Notice Board and where applicable on the website of the Procuring Entity and that notice shall be kept posted for not less than a month.
<b>69. Debriefing of Tenderers</b>	69.1	Debriefing of Tenderers by the Procuring Entity shall outline the relative status and weakness only of his or her Tender requesting to be informed of the grounds for not accepting the Tender submitted by him or her, without disclosing information about any other Tenderer.
	69.2	In the case of debriefing confidentiality of the evaluation process shall be maintained.
<b>70. Adjudicator</b>	70.1	The Procuring Entity proposes the person named in the <b>TDS</b> to be appointed as Adjudicator under the Contract, at an hourly fee and for those reimbursable expenses as specified in the <b>TDS</b> .
<b>71. Right to Complain</b>	71.1	Tenderer has the right to complain in accordance with the Public Procurement Act 2006 and the Public Procurement Rules, 2008.

## Section 2.Tender Data Sheet

*Instructions for completing the Tender Data Sheet are provided, as needed, in the notes in italics and under lined mentioned for the relevant ITT clauses.*

<b>ITT Clause</b>	<b>Amendments of, and Supplements to, Clauses in the Instruction to Tenderers</b>
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### A. General

<b>ITT 1.1</b>	<p>The Procuring Entity is Bangladesh Power Development Board (BPDB),</p> <p style="text-align: center;">Representative &amp; Consignee</p> <p>Project Director, Power Distribution System Development Project, Mymensingh Zone, Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh.</p> <p>Camp Office: 9th Floor, Bidyut Bhaban, 1, Abdul Goni Road, BPDB, Dhaka. E-mail: <a href="mailto:pd.mzpdspd.bpdb@gmail.com">pd.mzpdspd.bpdb@gmail.com</a> Ph: +8801708149484</p> <p style="text-align: center;">Engineer</p> <p>Director, Directorate of Design &amp; Inspection-II, 9/B, Motijheel C/A, Dhaka-1000. Tel - +880 2 955 0404, Fax: +880 2 955 0265.</p> <p>The Name of the Tender is: Procurement of <b>11/0.4kV, 250KVA Distribution Transformer</b></p> <p>Tender Ref.: _____ Dated:     /     /2020</p> <p>(Package No.: <b>Goods-6</b> Lot No(s): <b>2 (Two)</b> Lot-1: <b>11/0.4kV, 250KVA Distribution Transformer- 480 Nos.</b> Lot-2: <b>11/0.4kV, 250KVA Distribution Transformer- 485 Nos.</b></p>
<b>ITT 3.1</b>	The source of public fund is Government of Bangladesh.
<b>ITT3.3</b>	The name of the Development Partner is: Not Applicable.
<b>ITT5.1</b>	Tenderers from the following countries are not eligible: Other than the Government of Bangladesh.
<b>ITT 6.1</b>	Goods and related Services from the following countries are not eligible: Israel and the countries having no diplomatic relation with the Government of Bangladesh.

<b>B. Tender Document</b>	
<b>ITT8.2</b>	<p>The following are authorised agents/offices of the Procuring Entity for the purpose of issuing the Tender Document:</p> <p><u>Agent's/office Name:</u>  <b>Project Director</b>  <b>Power Distribution System Development Project, Mymensingh Zone.</b>  <b>Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh.</b></p> <p><b>Camp Office:</b>  <b>9th Floor, Bidyut Bhaban, 1, Abdul Goni Road, BPDB, Dhaka.</b>  <b>E-mail: pd.mzpdspd.bpdb@gmail.com</b>  <b>Ph: +8801708149484</b></p>
<b>ITT 9.1</b>	<p>For <b><u>clarification of Tender purposes</u></b> only, the Procuring Entity's address is:  <b>Attention:</b>  <b>Project Director</b>  <b>Power Distribution System Development Project, Mymensingh Zone,</b></p> <p><b>Address:</b>  <b>Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh.</b>  <b>Camp Office:</b>  <b>9th Floor, Bidyut Bhaban, 1, Abdul Goni Road, BPDB, Dhaka.</b>  <b>E-mail: pd.mzpdspd.bpdb@gmail.com</b>  <b>Ph: +8801708149484</b></p> <p>Time for seeking clarification- with 15 days from the date of tender publication.</p>
<b>ITT10.1</b>	A Pre- Tender meeting shall not be held.
<b>C. Qualification Criteria</b>	
<b>ITT 14.1(a)</b>	The minimum of years of general experience of the Tenderer in the supply of Goods and related services as Supplier shall be 3(three) years, years counting backward from the date of publication of IFT in the newspaper.
<b>ITT 14.1(b)</b>	<p>The minimum specific experience as Manufacturer/Supplier in supply of similar Goods** of at least 2(two) contract(s) successfully completed within the last 5 (Five) years, years counting backward from the date of publication of IFT in the newspaper, each with a value of at least <b>Tk. 13 (Thirteen) Crore for each Lot.</b></p> <p><b>[** Similar Goods means: Electrical Equipment/Materials]</b></p> <p>In addition, performance of the completed contracts as mentioned in <b>Annexure: 3-1</b> shall be taken into consideration during evaluation.</p> <p>[For Tenders where the package contains more than one (1) lot, this qualification requirement shall be combined for each lot in the package.]</p>
<b>ITT 14.1(c)</b>	<p>The minimum production capacity of similar type <b>Distribution Transformer</b> must satisfy the assessment of Production Capacity as mentioned in <b>Table- 3B of Annexure: 3-3.</b></p> <p>[For Tenders where the package contains more than one (1) lot, this</p>

	qualification requirement shall be combined for each lot in the package.]
<b>ITT 15.1(a)</b>	<p>The minimum amount of liquid assets i.e working capital or credit line(s) of the Tenderer must satisfy the assessment of Financial Resources Availability as mentioned in Table- 4B of <b>Annexure: 3-4</b>.</p> <p>[For Tenders where the package contains more than one (1) lot, this qualification requirement shall be combined for each lot in the package.]</p>
<b>D. Preparation of Tender</b>	
<b>ITT21.1(I)</b>	<p>The Tenderer shall submit the following additional documents with the bid:</p> <ol style="list-style-type: none"> <li>I. List of Goods and Delivery Schedule as stated in Schedule of Requirements, Section-6.</li> <li>II. Compliance Certificate conforming to the terms and condition of the tender document.</li> <li>III. Name of the Manufacturer, Certificate of the country of origin and port of shipment (where applicable) of offered equipment/ items.</li> <li>IV. Manufacturer's Supply Record and Satisfactory Performance Certificate <b>as per Section 7: Technical Specifications</b>.</li> <li>V. Warranty Certificate (Form PG3-14) according to Clause 31 of GCC.</li> <li>VI. Detail description of testing facilities at manufacturer's plant including calibration certificates of testing equipment.</li> <li>VII. Manufacturer's valid ISO 9001 Certificate.</li> <li>VIII. Manufacturer's Printed Catalogue for the offered type <b>Distribution Transformer</b> describing associated data and information.</li> <li>IX. <b>Manufacturer's constructional drawing i.e. overall, tank, core &amp; winding etc. of the Proposed Distribution Transformer showing dimension &amp; identification and detail calculation on the basis of design data by the manufacturer as per GTP.</b></li> <li>X. <b>Characteristics curve of core material.</b></li> <li>XI. Certificate from the Manufacturer conforming that his offered items are new, unused and in good condition &amp; conformed all feature &amp; accessories stated in Section 7.</li> <li>XII. If Tenderer has any reservations, he has to mention it in deviation list (Form PG3-13).</li> <li>XIII. Type Test Certificate &amp; Report as per Section 7(where applicable). If required, the Procuring Entity will authenticate Type Test Certificates &amp; Reports from the Certificates &amp; Reports issuing laboratory. The Certificates &amp; Reports shall contain laboratory's full mailing address, e-mail address, website address and fax / telephone number for the convenience of authentication.If these information are not mentioned in the Certificates &amp; Reports, all these information should be mentioned in the Letterhead pad of the manufacturer duly seal &amp; signed by the manufacturer representative.</li> <li>XIV. Guaranteed Technical Particulars (GTP) in Section 8 shall be properly filled up and signed by both the Manufacturer &amp; the Tenderer.</li> <li>XV. Sealed &amp; signed original Tender Document (which was issued by BPDB) by a person dully authorized to sign on behalf of the Tenderer. Copy of the issued Tender Document will not be acceptable</li> <li>XVI. <b>Tenderer shall have to submit the information of all completed contracts in govt. entities under power sector of Bangladesh within last 5 (five) years, years counting backward from the date of publication of IFT in the newspaper, with supporting document (end user's satisfactory performance certificate/ Acceptance Certificate) in the format attached as <b>Annexure: 3-1</b>.</b></li> </ol>

	XVII. Tenderer shall have to submit the information of all ongoing contract(s) in govt. entities under power sector of Bangladesh in the format attached as <b>Annexure: 3-2</b> with supporting document (Acceptance of NOA/Contact agreement) along with the upto date Acceptance certificate / R&I certificate from end user.
ITT23.1	Alternatives will not be permitted.
ITT24.3	<b>Tenders are being invited for a number of lots on “lot-by-lot” basis.</b>
ITT 24.6	Tenders being invited for a single lot or for a number of lots on ‘lot-by-lot’ basis, price quoted shall correspond to 100% of the items specified for each lot and to 100% of the quantities specified for each item of that particular lot and shall correspond to 100% of the total offered lot value.
ITT 24.8	The price for the following particular item must be quoted by the Tenderers: <b>None</b>
ITT 28.1(e)	The required information regarding claims under litigation shall be current or during the last 3 (Three) years.
ITT 28.1(f)	Manufacturer’s Authorization is required for all the items listed in Section 6: Schedule of Requirements.  Authorization letter from Manufacturer's Sales office (if located outside the manufacturing country) and Dealer/Trading house will not be accepted if not supported by Manufacturer's letter. In this regard, scanning paper, e-mail copy, faxed copy & sealed signature will not be accepted. Manufacturer's signature in Authorization letter shall be hand written by pen i.e, signature through stamp/seal is not accepted. The Authorization letter shall mention domain e-mail address, telephone/fax and designation with detail address of the manufacturer representative duly signed in the manufacturer's official pad.
ITT 28.1(h)	The required reports on the financial standing, such as profit and loss statements and audited balance sheet shall be for the past 3 (Three) years.
ITT 29.1	The Tender Validity period shall be 150 days.
ITT 31.1	The amount of the Tender Security shall be <b>As Per Tender Notice</b> in favour of <b>Project Director, Power Distribution System Development Project, Mymensingh Zone, Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh.</b>
ITT36.1	In addition to the original of the Tender, 3 (Three) copies shall be submitted.
<b>E. Submission of Tender</b>	
ITT 37.2	The inner and outer envelopes shall bear the following additional identification marks:  Name of the tender, Tender Inquiry No. & Date, Date of submission, Name & address of the Procuring Entity & Name & address of the Tenderer with seal and signature.  Book Binding is required for Original & Copies.
ITT 37.6 (New Clause)	<b>Submission of sample(s) and it's Evaluation: Not Applicable.</b> The following 2(two) nos. of the sample shall have to submitted with the

	<p>tender :</p> <p>Offered Type: <i>[LA/DOFC/MCCB/Insulator]</i>.</p> <p>During Technical Examinations, the submitted sample(s) of the Responsive Tenderer's should comply with the technical requirements of the tender document and will be tested as per latest version of relevant IEC/ BS or equivalent international standards as mentioned in the tender at CERS, BPDB or BUET/ CUET/ KUET/ RUET. If the submitted any sample failed in that test to conform the technical specification, the tender of the Tenderer will be rejected. The cost of test will be borne by the Procuring Entity.</p>
<b>ITT 38.1</b>	<p>For <b><u>Tender submission purposes</u></b>, the Procuring Entity's address is:</p> <p>Attention: Project Director, Power Distribution System Development Project, Mymensingh Zone.</p> <p>Address: Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh. Camp Office: Project Director (Addl. Chief Engineer) Power Distribution System Development Project, Mymensingh Zone. Level-10, Room No-1005, Bidyut Bhaban, 1, Abdul Gani Road, BPDB, Dhaka E-mail: pd.mzpdspd.bpdb@gmail.com Ph: +8801708149484</p> <p>The deadline for submission of Tenders is : 07/10/2021(11:00 AM). (As specified in tender notice or amendment of submission time (if any)).</p>
<b>ITT 38.3</b>	<p>For <b><u>Tender submission purposes</u></b> only, the Procuring Entity's address is: <i>(in case of multiple dropping state below the addresses of the PRIMARY PLACE and SECONDARY PLACES with Time and Date)</i> Not Applicable</p>
<b>ITT 38.4</b>	<p>The deadline for hand-delivering of the Tenders at the <b>PRIMARY PLACE</b> from <b>SECONDARY PLACE</b> is: Not Applicable</p>
<b>F. Opening and Evaluation of Tenders</b>	
<b>ITT44.1</b>	<p>The Tender opening shall take place at <i>(state always the primary place)</i>:</p> <p>Address: Project Director (Addl. Chief Engineer) Power Distribution System Development Project, Mymensingh Zone. Level-10, Room No-1005, Bidyut Bhaban, 1, Abdul Gani Road, BPDB, Dhaka. E-mail: pd.mzpdspd.bpdb@gmail.com Ph: +8801708149484</p> <p>Time &amp; Date: 07 /10/2021(11:30AM) (As specified in tender notice or amendment of opening time (if any)).</p>
<b>ITT 52.6</b>	<p>The applicable economic factors, for the purposes of evaluation of Tenders shall be: Capitalization cost (Only for Power/Distribution Transformer)</p>

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<b>G. Award of Contract</b>	
<b>ITT60.1</b>	The maximum percentage by which quantities per item may be increased or decreased is 20% at the time of Contract Award.
<b>ITT62.1</b>	The amount of Performance Security shall be ten (10) percent of the Contract Price.
<b>ITT 63.3</b>	The Security Deposit shall be deducted @ ten (10) percent from the the successful Tenderer's payable invoices during Contract implementation, if awarded the Contract.
<b>ITT 70.1</b>	The Adjudicator proposed by the Procuring Entity is President, Institution of Engineers, Bangladesh, Ramna, Dhaka.

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## Section3. General Conditions of Contract

### 1. Definitions

- 1.1 In the Conditions of Contract, which include Particular Conditions and these General Conditions, the following words and expressions shall have the meaning hereby assigned to them. Boldface type is used to identify the defined term:
- (a) **Adjudicator** is the expert appointed jointly by the Procuring Entity and the Contractor to resolve disputes in the first instance, as provided for in GCC Sub Clause 42.2.
  - (b) **Completion Schedule** means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract;
  - (c) **Contract Agreement** means the Agreement entered into between the Procuring Entity and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein;
  - (d) **Contract Documents** means the documents listed in the Contract Agreement, including any amendments thereto;
  - (e) **Contract Price** means the price stated in the Notification of Award and thereafter as adjusted in accordance with the provisions of the Contract;
  - (f) **Cost** means all expenditures reasonably incurred or to be incurred by the Contractor, whether on or off the point of delivery, including overhead, taxes, duties, fees and such other similar levies including corresponding incidental charges and premiums for banking and insurances, as applicable.
  - (g) **Day** means calendar days unless otherwise specified as working days;
  - (h) **Delivery** means the transfer of ownership of the Goods from the Supplier to the Procuring Entity in accordance with the terms and conditions set forth in the Contract;
  - (i) **Force Majeure** means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origins not due to negligence or lack of care on the part of the Contractor; such events may include, but not be limited to, acts of the Government in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes or more as included in GCC Clause 36;
  - (j) **GCC** mean the General Conditions of Contract;
  - (k) **Goods** means raw materials, products and equipment and objects in solid, liquid or gaseous form, electricity, and related Services if the value of such Services does not exceed that of the Goods themselves;
  - (l) **Government** means the Government of the People's Republic of Bangladesh;

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- (m) **Head of the Procuring Entity** means the Secretary of a Ministry or a Division, the Head of a Government Department or Directorate; or the Chief Executive; or as applicable, Divisional Commissioner, Deputy Commissioner, Zilla Judge; or by whatever designation called, of a local Government agency, an autonomous or semi-autonomous body or a corporation, or a corporate body established under the Companies Act;
  - (n) **Procuring Entity** means a Entity having administrative and financial powers to undertake Procurement of Goods, Works or Services using public funds{ XE "public funds" \i }, as specified in the **PCC**;
  - (o) **Related Services** means Services linked to the supply of Goods contracts;
  - (p) **PCC** means the Particular Conditions of Contract;
  - (q) **Subcontractor** means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier;
  - (r) **Supplier** means a Person under contract with a Procuring Entity for the supply of Goods and related services under the Act;
  - (s) **Site** means the point(s) of delivery named in the **PCC**
  - (t) **Writing** means communication written by hand or machine duly signed and includes properly authenticated messages by facsimile or electronic mail.

## 2. Interpretation

2.1 In interpreting the GCC, singular also means plural, male also means female or neuter, and the other way around. Headings in the GCC shall not be deemed part thereof or be taken into consideration in the interpretation or construction thereof or of the Contract. Words have their normal meaning under the English language unless specifically defined.

### 2.2 Entire Agreement

The Contract constitutes the entire agreement between the Procuring Entity and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract Agreement; except those stated under GCC Sub Clause 7.1(i).

### 2.3 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorised representative of each party thereto.

### 2.4 Non-waiver

- (a) Subject to GCC Sub Clause 2.4(b), no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of

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any subsequent or continuing breach of Contract.

- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorised representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

### 2.5 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

### 3. Communications and Notices

- 3.1 Communications between Parties (notice, request or consent required or permitted to be given or made by one party to the other) pursuant to the Contract shall be in writing to the addresses specified in the **PCC**.
- 3.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 3.3 A Party may change its address for notice hereunder by giving the other Party notice of such change to the address.

### 4. Contract to be governed by the laws of the People's Republic of Bangladesh

- 4.1 The Contract shall be governed by and interpreted in accordance with the laws of the People's Republic of Bangladesh.

### 5. Governing Language

- 5.1 The Contract shall be written in English language. Correspondence and documents relating to the Contract exchanged by the Supplier and the Procuring Entity may be written in English or Bangla language. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

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**6. Corrupt, Fraudulent, Collusive, Coercive ( and Obstructive in case of Development Partner) Practices**

6.1 The Government and the Development Partner requires that the Procuring Entity as well as the Supplier (including their manufacturers, sub-contractors, agents, personnel, consultants and service providers), shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of contracts under public funds.

6.2 For the purpose of GCC Sub Clause 6.2 the terms set forth below as follows–

- (a) **corrupt practice**{ XE "corrupt practice" \i } means offering, giving or promising to give, receiving, or soliciting, either directly or indirectly, to any officer or employee of the Procuring Entity or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by the Procuring Entity in connection with a Procurement proceeding or contract execution;
- (b) **fraudulent practice**{ XE "fraudulent practice" \i } means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;
- (c) **collusive practice** { XE "collusive practice" \i } means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Procuring Entity, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, noncompetitive levels, thereby denying a Procuring Entity the benefits of competitive price arising from genuine and open competition; or
- (d) **coercive practice**{ XE "coercive practice" \i } means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in a Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Tenders
- (e) "Obstructive practice" (applicable in case of Development Partner) means deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and /or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation.

6.3 Should any corrupt, fraudulent, collusive, coercive practice( or obstructive practice in case of Development Partner ) of any kind, in competing for or in executing the Contract, is determined by the Procuring Entity, then the Procuring Entity may, upon giving 14 days' notice to the Supplier, terminate the Supplier's employment under the Contract and the provisions of Clause 40 shall apply as if such

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expulsion had been made under sub-clause 40.1 (Termination for Default).

- 6.4 If corrupt, fraudulent, collusive or coercive(or obstructive in case of Development Partners) practices of any kind determined by the Procuring Entity or the Development Partner against the Supplier alleged to have carried out such practices, the Procuring Entity and/or the Development Partner shall;
- (a) exclude the Supplier from further participation in the particular Procurement proceeding; or
  - (b) declare, at its discretion, the Supplier to be ineligible to participate in further Procurement proceedings, either indefinitely or for a specific period of time.
- 6.5 The Supplier shall be aware of the provisions on corruption, fraudulence, collusion, coercion and of the Public Procurement Act, 2006, the Public Procurement Rules, 2008 and in case of Development Partner financed contract, the Procurement Guidelines of the Development Partner.
- 6.6 The Supplier (including its manufacturers, sub-contractors, agents, personnel, consultants and service providers) shall permit the Government and/or the Development Partner to inspect the Supplier's accounts and records and other documents relating to the submission of e-Tender and contract performance, and to have them audited by auditors appointed by the Government and/or the Development Partner, if so required.

**7. Documents Forming the Contract and Priority of Documents**

- 7.1 The following documents forming the Contract shall be in the following order of precedence, namely :
- (a) The signed Contract Agreement;
  - (b) The Notification of Award;
  - (c) The Completed Tender;
  - (d) Particular Conditions of Contract;
  - (e) General Conditions of Contract;
  - (f) Technical Specifications;
  - (g) Drawings;
  - (h) Priced Schedule and Schedule of Requirements and ;
  - (i) Other Documents including correspondences listed in the **PCC** forming part of the Contract.

**8. Scope of Supply**

- 8.1 Subject to the **PCC**, the Goods and related services to be supplied shall be as specified in Section 6: Schedule of Requirements.
- 8.2 Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining delivery and completion of the Goods and related services as if such items were expressly mentioned in the Contract Agreement.

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- 9. Assignment** 9.1 The Supplier shall not assign his rights or obligations under the Contract, in whole or in part, except with the Procuring Entity's prior written consent.
- 10. Eligibility** 10.1 The Supplier and its Subcontractor(s) shall have the nationality of a country other than that specified in the **PCC**.
- 10.2 All Goods and related services to be supplied under the Contract shall have their origin in the countries except any specified in the **PCC**.
- 11. Gratuities / Agency Fees** 11.1 No fees, gratuities, rebates, gifts, commissions or other payments, other than those shown in the Tender or the contract, shall be given or received in connection with the procurement process or in the contract execution.
- 12. Confidential Details** 12.1 The Supplier shall not, except for purposes of performing the obligations in this Contract, without the Procuring Entity's prior written consent, disclose this Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring Entity. Any such disclosure shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.
- 12.2 Any document, other than this Contract itself, enumerated in GCC Clause 12.1 shall remain the property of the Procuring Entity and shall be returned (all copies) to the Procuring Entity on completion of the Supplier's performance under this Contract if so required by the Procuring Entity.
- 13. Trademark, Patent and Intellectual Property Rights** 13.1 The Procuring Entity should not be liable for any infringement of intellectual property rights arising from use of the goods procured. In case there are third-party claims of such infringement of patent, trademark, or industrial design rights, the supplier must indemnify and hold the Procuring Entity free and harmless against such claims and shall not be in contravention of Trademark Act, 2009 and Patent and Design Act, 1911.
- 14. Copyright** 14.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Procuring Entity by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Procuring Entity directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
- 15. Sub contracting** 15.1 Any subcontracting arrangements made during contract implementation and not disclosed at the time of the Tendering shall not be allowed.
- 15.2 Subcontracting of any portion of the Goods shall not relieve the Supplier from any liability or obligations that may arise from its performance.
- 15.3 Supplier shall retain full responsibility for the contract and cannot pass any contractual obligations to the Subcontractor and under no circumstances

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	assignment of the contract to the Subcontractor be allowed.
	15.4 Subcontractors shall comply with the provisions of GCC Clause 6 and 10.
<b>16. Supplier's Responsibilities</b>	16.1 The Supplier shall supply all the Goods and related services specified in the Scope of Supply as stated under GCC Clause 8 and the Delivery and Completion schedule, as stated under GCC Clauses 21 and 23 in conformity with the provisions of the Contract Agreement.
<b>17. Procuring Entity's Responsibilities</b>	17.1 Whenever the performance of the obligations in this Contract requires that the Supplier obtain permits, approvals and other license from local public authorities, the Procuring Entity may, if so needed by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner. However, the supplier shall bear the costs of such permits and/or licenses.
	17.2 The Procuring Entity shall pay the Supplier, in consideration of the provision of Goods and related services, the Contract Price under the provisions of the Contract at the times and manner prescribed in the Contract Agreement.
<b>18. Issue change order, Repeat Orders or Order for Additional Delivery</b>	18.1 The Procuring Entity may at any time order the Supplier through notice in accordance with GCC Clause 3, to make changes within the general scope of the Contract in any one or more of the following: <ul style="list-style-type: none"> <li>(a) drawings, designs, or specifications, where goods to be delivered under the Contract are to be specifically manufactured for the Procuring Entity;</li> <li>(b) the method of packing;</li> <li>(c) the place(s) of delivery of goods and related services; and</li> <li>(d) the related services to be provided by the Supplier.</li> </ul>
	18.2 The Procuring Entity may, in exceptional circumstances, issue Repeat Order or additional delivery where the items already been procured through competitive method of an additional quantity within warranty period provided that prices are still the most advantageous to the Procuring Entity after price verification.
	18.3 The Supplier shall, under no circumstances, proceed to commence the delivery of Goods and related services under GCC Sub Clause 18.1 and 18.2 unless it has been approved by the <b>Approving Authority</b> or authority next higher, as appropriate.
<b>19. Repeat Orders or Order for Additional Delivery</b>	19.1 If any change under GCC Sub Clause 18.1 causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, as applicable.
<b>20. Packing and Documents</b>	20.1 The Supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract and in accordance with existing industry standards. The packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the

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- remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 20.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract as stated under GCC Sub Clause 20.1, including additional requirements, if any, specified in the **PCC**, and in any subsequent instructions ordered by the Procuring Entity.
- 20.3 The outer packaging must contain a "Packing List" which must reflect the actual contents of the package.
- 21. Delivery and Documents**
- 21.1 Subject to GCC Clause 18, the delivery of the Goods and completion of the related services shall be in accordance with the Delivery and Completion Schedule specified in the Section 6: Schedule of Requirements. The documents to be furnished by the Supplier shall be specified in the **PCC**.
- 22. Acceptance**
- 22.1 Acceptance by the Procuring Entity shall be processed not later than fourteen (14) working days from receipt of the goods at final destination in the form of an Acceptance Certificate, unless any defects in the supply, any damage during transportation or any failure to meet the required performance criteria of the supply are identified and reported to the Supplier as stated under GCC Clause 29 and 30. In such cases the Acceptance Certificate will be issued only for those parts of the contract supplies which are accepted. The Acceptance Certificate for the remaining supplies will only be issued after the Supplier has remedied the defects and/or any non-conformity under GCC Clause 29 and GCC Clause 30.
- 22.2 Technical Inspection and Acceptance Committee (TIAC), if considered appropriate and constituted by the Procuring Entity shall commence the inspection and acceptance process within twenty-four(24) hours from delivery of the goods, **and** complete the same as soon as practicable.
- 23. Contract Price**
- 23.1 The Contract Price shall be as specified in the **PCC** subject to any additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- 23.2 Prices charged by the Supplier for the Goods delivered and the related services performed under the Contract shall not vary from the price as stated under GCC Sub Clause 23.1, with the exception of any change in price resulting from a Variation Order or Repeat Order or Order for Additional Delivery issued under GCC Clause 18.
- 24. Transportation**
- 24.1 The Supplier is required under the Contract to transport the Goods to a specified place of destination as specified in Section 6: Schedule of Requirements, defined as the Site, transport to such place of destination, including insurance, other incidental costs, and temporary storage, if any.
- 25. Terms of Payment**
- 25.1 The Contract Price, including any Advance Payments, if applicable, shall be paid in the manner as specified in the **PCC**.
- 25.2 The Supplier's request for payment shall be made to the Procuring Entity in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and related services performed, and accompanied

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- by the documents as stated under GCC Clause 21 and 22 and upon fulfillment of any other obligations stipulated in the Contract Agreement.
- 25.3 Payments shall be made promptly by the Procuring Entity, but in no case later than the days indicated in the **PCC** after submission of an invoice or request for payment by the Supplier, and after the Procuring Entity has accepted it.
- 25.4 Payments due to the Supplier under this Contract shall be made in Bangladesh Taka (BDT) Currency.
- 25.5 In the event that the Procuring Entity fails to pay the Supplier any payment by its respective due date or within the period as stated under GCC Sub Clause 25.3, the Procuring Entity shall pay to the Supplier interest on the amount of such delayed payment at the rate specified in the **PCC**, for the period of delay until payment has been made in full.
- 26. Insurance**
- 26.1 The Goods supplied under this Contract shall be fully insured by the Supplier against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery until their acceptance by the Procuring Entity.
- 27. Taxes and Duties**
- 27.1 The Supplier shall be entirely responsible for all applicable taxes, custom duties, VAT and other levies imposed or incurred inside or outside Bangladesh.
- 28. Performance Security**
- 28.1 The Procuring Entity shall notify the Supplier of any claim made against the Bank issuing the Performance Security.
- 28.2 The Procuring Entity may claim against the security if any of the following events occurs for fourteen (14) days or more.
- (a) The Supplier is in breach of the Contract and the Procuring Entity has duly notified him or her ; and
- (b) The Supplier has not paid an amount due to the Procuring Entity and the Procuring Entity has duly notified him or her.
- 28.3 In the event as stated under GCC Sub Clause 28.2, the Supplier is liable to pay compensation under the Contract amounting to the full value of the Performance Security or more, the Procuring Entity may call the full amount of the security.
- 28.4 If there is no reason to call the security, the security shall be discharged by the Procuring Entity and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract and the issuance of the Acceptance Certificate by the Procuring Entity, including any warranty obligations as stated under GCC Clause 31 and, the Procuring Entity shall not make any claim under the security, except for amounts to which the Procuring Entity is entitled under this Contract..
- 28.5 The security shall only be released after the expiry of the Warranty Period pursuant to GCC Clause 31, provided that the Goods supplied are free from patent and latent defects and all the conditions imposed under the contract have been fully met.
- (a) A patent defect, which is one that is apparent to the buyer on normal observation. It is an apparent or obvious defect.

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- i. For example, a ball pen that does not write is patently defective.
    - (b) A latent defect, which is one that is not apparent to the buyer by reasonable observation. A latent defect is "hidden" or one that is not immediately determinable.
      - ii. For example, a ball pen that writes 0.75 km instead of the expected 1.5 km, has a latent defect.
  - 28.6 If the Supplier, having been notified, fails to remedy the defect(s) within the period as stated under GCC Sub Clause 31.7, the Procuring Entity may proceed to call upon the security without prejudice to any other rights which the Procuring Entity may have against the Supplier under the Contract and under the applicable law.
- 29. Specifications and Standards**
- 29.1 The Goods and related services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section 7, Technical Specification and in Section 8, Drawings, if any.
  - 29.2 If there is no applicable standard, the Goods must conform to the authoritative standards appropriate to the Good's country of origin. Such standards must be the latest issued by the concerned institution.
  - 29.3 Subject to the GCC Clause 18, the Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Procuring Entity, by giving a notice of such disclaimer to the Procuring Entity.
  - 29.4 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Technical Specification. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Procuring Entity and shall be treated under GCC Clause 18.
- 30. Inspections and Tests**
- 30.1 The Procuring Entity shall have the right to test the Goods to confirm their conformity to the Contract specifications. The **PCC** and Technical specifications shall specify what tests the Procuring Entity requires and where they are to be conducted. The Supplier shall at its own expense and at no cost to the Procuring Entity, carry out all such tests of the Goods and related services as are specified in the Contract.
  - 30.2 The Supplier shall provide the Procuring Entity with a report of the results of any such test.
  - 30.3 The Procuring Entity may engage external agents for the purpose of conducting inspection of Goods, provided that the Procuring Entity shall bear all of its costs and expenses.
  - 30.4 The Procuring Entity or its designated representative as specified shall be entitled to attend the tests and/or inspections under GCC Clause 30.1, provided that the Procuring Entity shall bear all of its own costs and expenses incurred in connection with such attendance.
  - 30.5 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Procuring Entity. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Procuring Entity or its designated representative

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to attend the test and/or inspection.

- 30.6 The Procuring Entity may require the Supplier to carry out any test and/or inspection not required by the Contract, but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery and Completion Schedule and the other obligations so affected.
- 30.7 The Procuring Entity may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice under GCC Sub Clause 30.5.
- 30.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Procuring Entity or its representative, nor the issue of any report as stated under GCC Sub Clause 30.2, shall relieve the Supplier from any warranties or other obligations under the Contract.

### **31. Warranty**

- 31.1 The Supplier warrants that all the Goods supplied under the Contract are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, except when the design and/or material required by the Procuring Entity provides otherwise under GCC Clause 18.
- 31.2 The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in Bangladesh.
- 31.3 In order to assure that manufacturing defects shall be corrected by the Supplier, manufacturer, or distributor, as the case may be, a warranty shall be required from the Supplier for a minimum period of three (3) months, in the case of supplies, and one (1) year, in the case of equipment, after performance of the contract or such other period as may be specified in the **PCC**.
- 31.4 The Warranty Period of the Supplies shall start from the date of completion of delivery in the form of submission by the Supplier and acceptance by the Procuring Entity, of the Delivery Chalan
- 31.5 The Warranty Periods may vary among the various items and lots. The warranty for Goods delivered earlier will expire earlier than the succeeding deliveries.
- 31.6 The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 31.7 Upon receipt of such notice, the Supplier shall, within the period specified in the **PCC**, expeditiously repair or replace the defective

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- Goods or parts thereof, at no cost to the Procuring Entity.
- 32. Extension of Delivery and Completion Schedule**
- 32.1 The Supplier must deliver the Goods or perform the services procured within the period prescribed by the Procuring Entity, as specified in the Contract.
- 32.2 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services as stated under GCC Clause 21, the Supplier shall promptly notify the Procuring Entity in writing. It must state therein the cause/s and duration of the expected delay. The Procuring Entity shall decide whether and by how much to extend the time. In all cases, the request for extension should be submitted before the lapse of the original delivery date.
- 32.3 Within twenty-one (21) days of receipt of the Supplier's notice, the Procuring Entity shall evaluate the situation and may grant time extensions, if based on justifiable grounds, without liquidated damages.
- 32.4 The Procuring may extend up to twenty percent (20%) of the original contract time, above 20% of the original contract time approval of Head of Procuring Entity (HOPE) or authorized officer shall be required, in which case the extension shall be ratified by the Parties by amendment of the Contract as stated under GCC Clause 41.
- 32.5 Except in case of Force Majeure, as provided under GCC Clause 36, a delay by the Supplier in the performance of its delivery and completion obligations shall render the Supplier liable to the imposition of Liquidated Damages pursuant to GCC Clause 33, unless an extension of the Delivery and Completion Schedule is agreed upon, pursuant to GCC Clause 32.
- 33. Liquidated Damages**
- 33.1 Except as provided under GCC Sub Clause 37, if the Supplier fails to complete the delivery of Goods and related services within the Delivery and Completion Schedule specified in the contract or as extended, the Procuring Entity shall, as Liquidated Damages or Delay Damages, deduct from the Contract Price, a sum at the percent-rate per day of delay as specified in the PCC, of the contract value of the undelivered Goods and related services or part thereof delivered after the Delivery and Completion Schedule or as extended. The total amount of Liquidated Damages or Delay Damages shall not exceed the amount specified in the PCC. The Procuring Entity may deduct Liquidated damages from payments due to the Supplier. Payment of Liquidated damages shall not affect the Supplier's liabilities.
- 34. Limitation of Liability**
- 34.1 Except in cases of criminal negligence or wilful misconduct,
- (a) the Supplier shall not be liable to the Procuring Entity, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Procuring Entity; and
- (b) the aggregate liability of the Supplier to the Procuring Entity, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the

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Procuring Entity with respect to patent infringement.

**35. Adjustment for Changes in Legislation**

35.1 Unless otherwise specified in the Contract, if after the Contract, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Bangladesh (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the adjustment of Contract Price where applicable, under GCC Clause 23.

**36. Force Majeure**

36.1 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below:

- (i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies;
- (ii) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war;
- (iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel;
- (iv) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
- (v) natural catastrophes such as cyclone, hurricane, typhoon, tsunami, storm surge, floods, earthquake, landslides, fires, epidemics, quarantine restrictions, or volcanic activity;
- (vi) freight embargoes;
- (vii) acts of the Government in its sovereign capacity.

36.2 The Head of Procuring Entity decides the existence of a Force Majeure that will be the basis of the issuance of order for suspension of Supply as stated under GCC Sub Clause 39.2.

**37. Notice of Force Majeure**

37.1 If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice within fourteen (14) days after the party became aware, to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented.

37.2 Notwithstanding any other provision of this Clause, Force Majeure shall

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		not apply to obligations of either Party to make payments to the other Party under the Contract.
<b>38. Duty to Minimize Delay</b>	38.1	Each Party shall at all times use all reasonable endeavours to minimise any delay in the performance of the Contract as a result of Force Majeure.
	38.2	A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.
<b>39. Consequences of Force Majeure</b>	39.1	The Supplier shall not be liable for forfeiture of its security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
	39.2	The Procuring Entity may suspend the delivery or contract implementation, wholly or partly, by written order for a certain period of time, as it deems necessary due to Force Majeure as defined in the Contract.
	39.3	Delivery shall be made either upon the lifting or the expiration of the suspension order. However, if the Procuring Entity terminates the contract as stated under GCC Clause 40, resumption of delivery cannot be done.
	39.4	After receiving notice under GCC Sub Clause 37.1, the Procuring Entity shall proceed to determine these matters under the provisions of the Contract.
<b>40. Termination</b>		<b>Termination for Default</b>
	40.1	The Procuring Entity, without prejudice to any other remedy for breach of Contract, by giving twenty-eight (28) days written notice of default sent to the Supplier, may terminate the Contract in whole or in part: <ul style="list-style-type: none"> <li>i. if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Procuring Entity pursuant to GCC Clause 32; or</li> <li>ii. if the Supplier fails to perform any other obligation under the Contract; or</li> <li>iii. if the Supplier, in the judgement of the Procuring Entity has engaged in corrupt, fraudulent, collusive and coercive practices (or obstructive practice in case of Development Partner), as defined in GCC Clause 6, in competing for or in executing the Contract; or</li> <li>iv. if the deductible amount due to Liquidated Damages reaches its maximum as stated under GCC Sub Clause 33</li> </ul>
	40.2	In the event the Procuring Entity terminates the Contract in whole or in part, as stated under GCC Clause 40.1, the Procuring Entity may procure, upon such terms and in such manner as it deems appropriate, Goods or related services similar to those undelivered or not performed, and the Supplier shall be liable to the Procuring Entity for any additional costs for such similar Goods or related services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

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### **Termination for Insolvency**

40.3 The Procuring Entity shall terminate this Contract if the Supplier is declared bankrupt or insolvent as determined with finality by a court of competent jurisdiction. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity and/or the Supplier.

### **Termination for Convenience**

40.4 The Procuring Entity, by giving twenty-eight (28) days written notice sent to the Supplier, may terminate this Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that the termination is for the procuring Entity's convenience, the extent to which performance of the Supplier under the contract is terminated, and the date upon which such termination becomes effective.

40.5 The Goods that have been delivered and/or performed or are ready for delivery or performance within twenty-eight(28) days after the Supplier's receipt of Notice to Terminate shall be accepted by the Procuring Entity at the contract terms and prices. For Goods not yet performed and/or ready for delivery, the Procuring Entity may elect:

- (a) to have any portion delivered and/or performed and paid at the contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed and/or performed goods and for materials and parts previously procured by the Supplier.

40.6 The expiration of the Delivery and Completion Schedule, initiation of amicable settlement of disputes, adjudication and arbitral proceedings under the set terms and conditions shall not be deemed a termination of the contract.

### **41. Amendment to Contract**

41.1 The amendment to Contract shall generally include equitable adjustments in original Contract price, Delivery and Completion Schedule and, any other changes acceptable under the conditions of the Contract.

41.2 The Procuring Entity shall amend the Contract, incorporating the changes approved in accordance with the Delegation of Financial Power or sub-delegation thereof and, introduced to the original terms and conditions of the Contract.

### **42. Settlement of Disputes**

42.1 Amicable Settlement:

- (a) The Procuring Entity and the Supplier shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

42.2 Adjudication

- (a) If the Supplier /Procuring Entity believe that amicable settlement of dispute is not possible between the two parties,

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the dispute shall be referred to the Adjudicator within fourteen (14) days of first written correspondence on the matter of disagreement;

- (b) The Adjudicator named in the **PCC** is jointly appointed by the parties. In case of disagreement between the parties, the Appointing Authority designated in the **PCC** shall appoint the Adjudicator within fourteen (14) days of receipt of a request from either party;
- (c) The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a dispute being referred to it;
- (d) The Supplier shall make all payments (fees and reimbursable expenses) to the Adjudicator, and the Procuring Entity shall reimburse half of these fees through the regular progress payments;
- (e) Should the Adjudicator resign or die, or should the Procuring Entity and the Supplier agree that the Adjudicator is not functioning in accordance with the provisions of the Contract; a new Adjudicator will be jointly appointed by the Procuring Entity and the Supplier. In case of disagreement between the Procuring Entity and the Supplier the Adjudicator shall be designated by the Appointing Authority designated in the **PCC** at the request of either party, within fourteen (14) days of receipt of a request from either Party.

#### 42.3 Arbitration

- (a) If the Parties are unable to reach a settlement under GCC Clause 42.1 or 42.2 within twenty-eight (28) days of the first written correspondence on the matter of disagreement, then either Party may give notice to the other party of its intention to commence arbitration in accordance with GCC Sub Clause 42.3(b);
- (b) The arbitration shall be conducted in accordance with the Arbitration Act (Act No 1 of 2001) of Bangladesh as at present in force and in the place shown in the **PCC**.

## Section 4.Particular Conditions of Contract

<i>Instructions for completing the Particular Conditions of Contract are provided, as needed, in the notes in italics mentioned for the relevant GCC clauses.</i>	
<b>GCC Clause</b>	<b>Amendments of, and Supplements to, Clauses in the General Conditions of Contract</b>
<b>GCC 1.1(n)</b>	<p>The Procuring Entity is Bangladesh Power Development Board (BPDB), Representative &amp; Consignee</p> <p><b>Project Director</b> Power Distribution System Development Project, Mymensingh Zone. Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh. Camp Office: 9th Floor, Bidyut Bhaban, 1, Abdul Goni Road, BPDB, Dhaka. E-mail: pd.mzpdsdp.bpdb@gmail.com Ph: +8801708149484</p> <p style="text-align: center;">Engineer</p> <p>Director, Directorate of Design &amp; Inspection-II, 9/B, Motijheel C/A, Dhaka-1000. Tel - +880 2 955 0404, Fax: +880 2 955 0265.</p>
<b>GCC 1.1(s)</b>	<p>The site(s)/ point(s) of delivery is/are:</p> <p>Designated store of "PDSDP, Mymensingh Zone, BPDB," at Mymensingh/ Tangail/ Jamalpur/ Sherpur/ Netrokona/ Kishoreganj/ Tongi Store/ different places at Mymensingh Zone as per direction of project director.</p>
<b>GCC 3.1</b>	<p>For <b>notices</b>, the Procuring Entity's contact details shall be:</p> <p>Attention: <b>Project Director</b> Power Distribution System Development Project, Mymensingh Zone.</p> <p>Address: Bidduyt Bhaban (2nd Floor), Kewatkhali, BPDB, Mymensingh. Camp Office: 9th Floor, Bidyut Bhaban, 1, Abdul Goni Road, BPDB, Dhaka. E-mail: pd.mzpdsdp.bpdb@gmail.com Ph: +8801708149484</p>

	<p>For <b>notices</b>, the Supplier's contact details shall be:</p> <p>Attention:  Address:  Telephone No.:  Fax No.:  e-mail address:  Facsimile number:  Electronic mail address:</p>
<b>GCC 7.1(i)</b>	The following documents shall also be part of the Contract: Acceptance of NOA, Performance Guarantee and All correspondences between Supplier and The Procuring Entity prior to signing of the contract.
<b>GCC 8.1</b>	The Scope of Supply shall be defined in <i>Section 6, Schedule of Requirements</i> .
<b>GCC 10</b>	<p>The Supplier or the Subcontractor that is a national of, or registered in, the following countries are not eligible: other than the Government of Bangladesh.</p> <p>Goods and related services to be supplied shall not have their origin in the following countries: Israel and countries having no diplomatic relation with the Government of Bangladesh.</p>
<b>GCC 20.2</b>	<p>The packing, marking and documentation inside and outside the packages shall be:</p> <p>A complete packing list indicating the content of each package shall be enclosed in a waterproof envelop and shall be secured to the outside of the packing case. In addition, each package shall be marked with indelible ink/paint in bold letters, as follows :</p> <p>Name and address of Procuring Entity  Name of the Supplier  Contract Description  Final Destination/Delivery Point  Gross weight  Package number of total number of packages  Brief description of the content  Any special lifting instructions  Any special handling instructions</p> <p>Upright markings, where appropriate, shall be placed on all four vertical sides of the package.</p> <p>All material used for packing shall be environmentally neutral.</p>

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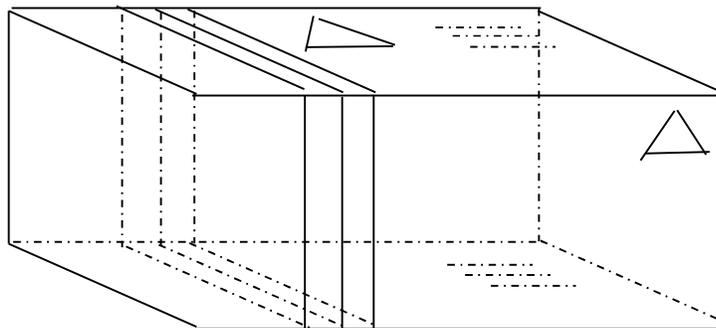
Additional markings and documentation within and outside the packages shall be :

- 1) The Supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights, shall take into consideration, where appropriate, the remoteness of final destination of the supply and the absence of heavy handling facilities at all points in transit.
- 2) The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract and in any subsequent instructions ordered by the Purchaser.
- 3) The supplier shall provide such crate for shipment of goods as to protect the equipment and materials.
- 4) Delivery of the goods shall be made by the Supplier in accordance with the terms and conditions of the contract and the goods shall remain at the risk of the Supplier until delivery has been completed. Delivery shall be considered to have been completed when the last consignment to be delivered are accepted and taken over by the Procuring Entity at the final destination. All transportation, insurance and other costs incurred in delivering the goods to the final destination shall be entered in the Bidder's price schedule.
- 5) The Supplier warrants that the goods supplied under the Contract are new and unused of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.
- 6) The Supplier further warrants that all goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except in so far as the design or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the Supplied Goods in the conditions obtaining in the country of final destination.
- 7) No goods should be shipped, without prior instruction from the Engineer / Procuring Entity. In cases, where the goods have been passed inspection but the Supplier from the Engineer/ Procuring Entity has not received the instruction of delivery within one month from the date of inspection, the Supplier may proceed with the shipment. In case of ex-factory basis delivery for domestic goods, the Procuring Entity shall arrange to lift the goods from the specified place of the factory/warehouse within 30 (thirty) days after the date of inspection issued by the Purchaser.
- 8) All air cargoes destined for the site shall be landed at Hazrat Shahjalal International Airport of Dhaka as specified in Tender Document.
- 9) Any items liable to be damaged in transit shall be effectively protected

	<p>and securely fixed in their cases. All lifts of over 1(one) ton shall be marked to show where slings should be placed.</p> <p>10) The Supplier shall give complete shipping information concerning the weight, size, content of each package including any other information the Procuring Entity or the Engineer may require.</p> <p>11) All materials used in packing are to comply with the relevant Bangladesh regulations. Adequate protection and precautions are to be taken to exclude termites or other vermin, noxious insects, larva or fungus from the packing materials or plant. All contents are to be clearly marked for easy identification against the packing list.</p> <p>12) All galvanized ferrous materials shall, in any case, not be touched with water and shall not be handled with any chemical products during transportation to prevent the corrosive effect to the galvanized surface.</p> <p>13) The Supplier shall pack and crate all goods for export to a tropical, humid climate and for ocean transport and in accordance with internationally accepted export practice and such a manner as to protect it from damage and deterioration in transit by truck, rail and sea. The Supplier shall be held responsible for and make good any and all damages costs involved due to improper and inadequate packing. Each box or other unit of shipment shall be eligible and properly marked in addition to the usual Supplier's marking code. Detailed instructions for marking shown are given in tender document and such marking shall be written either on the box itself or on a metallic tag for drums, steel section etc. strongly attached to the Equipment.</p> <p>14) Two bands red and green, each 25 mm ( 1 inch ) wide or combined width not exceeding one- quarter the length of the package shall be painted around the package as shown in figure.</p> <p>15) The following monogram, measuring about one quarter of the side of the package shall also be painted in red on at least two sides of the package.</p> <p style="text-align: center;"><b>BANGLADESH</b> <b>POWER DEVELOPMENT BOARD</b></p> <p>16) All equipment is to be packaged in bundles and labeled for the appropriate town according to the list that will be provided to the successful bidder for each lot. Any items liable to be damaged in transit shall be effectively protected and securely fixed in their cases. All lifts of over 2 tones shall be marked to show where slings should be placed.</p> <p>All identification marks on the outside of cases are to be waterproof and permanent and as shown in Figures.</p> <p>17) All delicate electrical equipment shall be adequately sealed and desiccating agents used where necessary to prevent damage from condensation. All equipment shall be packed and protected bearing in mind that it will be shipped to a tropical zone and that a considerable period may elapse between its arrival on site and its unpacking.</p> <p>18) Other electrical equipment items shall be packed for transport to site so that they are protected against the climatic conditions and</p>
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handling to which they may be subjected in transit and in storage at the site. They shall be enclosed in planked wooden boxes with hoop metal bindings with ends sealed. Bindings shall be of rust less material

- 19) The Supplier shall pack and crate all Equipment for export to a tropical , humid climate and for ocean transport and in accordance with internationally accepted export practice and in such a manner as to protect it from damage and deterioration in transit by truck, rail and sea. The Supplier shall be held responsible for and make good any and all damages costs involved due to improper and inadequate packing.
- 20) Each box or other unit of shipment shall be legible and properly marked in addition to the usual Supplier's marking code. Detailed instructions for marking as shown in Figure shall be written either on the box itself or on a metallic tag for drums, steel section etc, strongly attached to the Equipment.
- 21) Contents of cases are to be bolted securely or fastened in position with struts or cross battens and not with wooden chocks wedged in place unless otherwise firmly fastened. All struts or cross battens are preferably to be supported by cleats fixed to the case, above and below, to form edges on which the batten may rest. Open cases shall not be used. Where parts are required to be bolted to m the sides of the case, large washers are to be used to distribute the pressure and the timber is to be strengthened by means of a pad.
- 22) All cases shall be clearly identified giving particulars of manufacturers name and type of equipment.



<b>GCC 21.1</b>	The documents to be furnished by the Supplier shall be as follows: a) Copies of the Supplier's invoice showing goods description, quantity, unit price, total amount; b) Copies of packing list identifying contents of each package; c) Manufacturer's/supplier's Warranty certificate; d) Inspection certificate, issued by the nominated inspection agency (or Purchaser's Inspection Team) and the Supplier's factory inspection report (if any); e) Certificate of origin; f) Delivery Order issued by the Procuring Entity; g) Delivery Challan.
<b>GCC22.3 (New Clause)</b>	Acceptance Certificate will be issued within fourteen (14) days after successfully completion of Post Landing Inspection, Satisfactory R&I report and Successfully completion of related service (if any).
<b>GCC 23.1</b>	The original Contract price is:
<b>GCC 25.1</b>	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:
	<p>(a) <b>Advance Payment:</b> Not Applicable</p> <p>(b) <b>On Delivery and Acceptance:</b></p> <p>i) 90 % (Ninety percent) of the Contract Price for supply of material and equipment with accessories delivered to designated site shall be certified and paid by <b>Project Director</b> against claimed bill after completion of delivery of goods/materials. The bill shall be submitted in triplicate along with delivery order against pre-delivery &amp; post landing inspection report, warranty certificate, R&amp;I report issued by Project Director and VAT payment certificate/challan to Project Director.</p> <p>(ii) Balance 10% (Ten per cent) of the Contract Price for supply of material and equipment with accessories delivered to designated site shall be certified and paid by <b>Project Director</b> against claimed bill. The bill shall be submitted in triplicate to along with R&amp;I report and Acceptance Certificate (AC).</p> <p>(iii) Partial Supply is allowed. For a Tender (or for a lot of Tender), if contract is signed for a single item (as per price schedule), then only partial payment against R &amp; I Report is allowed for Supply of partial quantities. Otherwise, partial payment is not allowed .</p>
<b>GCC 25.3</b>	Payments shall be made in no case later than 45 days after submission of an invoice or request for payment by the Supplier along with all required documents as stated in clause no. 25.1(b) of PCC.

<b>GCC 25.5</b>	The rate of interest shall be the prevailing rate of interest for commercial borrowing established in the country: NONE
<b>GCC 26.1</b>	Insurance shall be from Sadharan Bima Corporation, Dhaka, Bangladesh.
<b>GCC 30.1</b>	<p>The inspections and tests shall be:</p> <p><b>A. FACTORY INSPECTION AND TEST WITNESS</b> will be held and detail description is provided in Section 7: Technical Specification. Other than this the supplier shall bear (applicable for overseas factory) the round air tickets, hotel accommodations, per diem allowances, internal transportations and out of pocket expenses @ US\$ 100.00 per person per day for 07 days (excluding travel time) for the witnessing of manufacturing process and tests of concerned equipment at manufacturer's works. The number of such BPDB Engineers will be <b>03 (Three) persons for each consignment</b>. Such witness/inspection shall not relieve the supplier from any obligation to supply the goods in accordance with contract document. For foreign manufacturer, Invitation Letter from the manufacturer should be submitted to the Procuring Entity at least 02(two) months prior to the scheduled date of witness and tests.</p> <p><b>B. RANDOM SAMPLE TEST DURING FACTORY INSPECTION AND WITNESS</b> will be held (where required) will be held and detail description is provided in Section 7: Technical Specification.</p> <p><b>C. ACCEPTANCE REPORT OF GOODS FOR DELIVERY</b> as per Section 7.</p> <p><b>D. POST-DELIVERY INSPECTION &amp; TESTING</b> will be held in the following manner:</p> <p>i. Post Landing Inspection shall be done after arrival of the goods at <b>Final destination</b>. The post landing inspection shall be intimated to the representative of Supplier. The program of such inspection shall be intimated to the representative of contractor/supplier by BPDB upon arrival of the goods at Final destination store of BPDB. R&amp;I report will be issued after <i>POST-DELIVERY INSPECTION</i>.</p> <p>ii. The purchaser has right to inspect, test and where necessary, reject the Goods arrival in purchaser's store shall in no way be limited or waived by reason of the goods having previously been tested and passed by the manufacturer/ supplier.</p> <p>iii. Detail description is provided in Section 7: Technical Specification</p> <p>Nothing in this clause shall in any way release the Supplier from any warranty or other obligation under provisions of the contract.</p>
<b>GCC 31.3</b>	<p><b>The Warranty Period shall be :</b> 12 months from the date of Acceptance of Goods.</p> <p><b>For the New Local Manufacturer, the Warranty Period shall be :</b> 24 months from the date of Acceptance of Goods</p>
<b>GCC 31.7</b>	The Supplier shall correct any defects covered by the warranty within 90 days of being notified by the Procuring Entity of the occurrence of such defects.

<b>GCC 33.1</b>	The amount of Liquidated Damages is 0.1 (Zero point one) percent of the contract value of the undelivered Goods or any part thereof delivered after expiry of the Delivery and Completion Schedule or extended Delivery and Completion Schedule, as applicable, per day of delay.
	The maximum amount of Liquidated Damages for the undelivered Goods or any part thereof is 10 percent of the final Contract Price of the whole of the Goods and related services.
<b>GCC 42.2(b)&amp;(e)</b>	The Adjudicator jointly appointed by the Parties is:
	In case of disagreement between the parties, the Appointing Authority for the Adjudicator is the President of the Institution of Engineers, Bangladesh (IEB).
<b>GCC 42.3(b)</b>	Arbitration shall take place in: Dhaka, Bangladesh.
<b>GCC 43 (New Clause)</b>	<p><b>Submission &amp; Approval of Design, Drawing, Specification &amp; GTP/Engineering Data:</b></p> <p>Design, Drawing, Specification &amp; GTP/ Engineering Data etc, shall be submitted to the Engineer, Director, Design &amp; Inspection–II, BPDB by the Supplier for approval, prior to the manufacturing of the goods. The Supplier shall have to submit 3 (three) sets of the same for approval within <b>15 (fifteen) days</b> from the date of signing Contract. Only Original copy shall be submitted (photocopy / scanned copy will not be allowed).</p> <p>One copy of Design, Drawing, Specification &amp; GTP/ Engineering Data shall be returned to the Supplier marked “APPROVED” or “APPROVED AS NOTED” or “RETURNED FOR CORRECTION” within <b>14 (Fourteen) days</b> after receipt from the Supplier and if not returned within <b>14 (Fourteen) days</b> after receipt by the Engineer, the Suppliers shall notify Engineer of such fact, and if the of Design, Drawing, Specification &amp; GTP/ Engineering Data still have been not returned within <b>07 (Seven) days</b> after notice, the Supplier may proceed as if Design, Drawing, Specification &amp; GTP/ Engineering Data have been returned approved. When the Design, Drawing, Specification &amp; GTP/ Engineering Data are returned marked “APPROVED AS NOTED” or “RETURNED FOR CORRECTION” the corrections or changes shall be made and 3 (three) revised copies shall be submitted to the Engineer. One copy of the revised Design, Drawing, Specification &amp; GTP/ Engineering Data will be returned to the Supplier by <b>07 (Seven) days</b> from the receipt of the same with due approval, if re-submitted Design, Drawing, Specification &amp; GTP/ Engineering Data are in line with the earlier comments of the Engineer and satisfy contract specification.</p>

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## Section 5. Tender and Contract Forms

Form	Title
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### Tender Forms

PG3 – 1	Tender Submission Letter
PG3 – 2	Tenderer Information Sheet
PG3 -- 3	Subcontractor Information ( <i>if applicable</i> )
PG3 –4A	Price Schedule for Goods
PG3 –4B	Price Schedule for Related Services
PG3 – 5	Specifications Submission and Compliance Sheet
PG3 – 6	Manufacturer’s Authorisation Letter
PG3 – 7	Bank Guarantee for Tender Security( <i>when this option is chosen</i> )
PG3 -- 8	Bank’s Commitment for Line of Credit ( <i>when this option is chosen</i> )

### Contract Forms

PG3 – 9	Notification of Award
PG3–10	Contract Agreement
PG3 – 11	Bank Guarantee for Performance Security( <i>when this option is chosen</i> )
PG3 – 12	Bank Guarantee for Advance Payment( <i>if applicable</i> )

**PG3– 13 Deviation List**

**PG3– 14 Warranty Certificate**

Forms PG3-1 to PG3-8 comprises part of the Tender and should be completed as stated in ITT Clause 21.

Forms PG3-9 to PG3-12comprises part of the Contract as stated in GCC Clause7.

## Tender Submission Letter (Form PG3 – 1)

*[This letter shall be completed and signed by the Authorized Signatory preferably on the Letter-Head pad of the Tenderer].*

To: <i>[Contact Person]</i> <i>[Name of Procuring Entity]</i> <i>[Address of Procuring Entity]</i>	Date:
Invitation for Tender No:	IFT No _____
Tender Package No:	Package No _____
Lot No <i>(when applicable)</i>	Lot No _____

We, the undersigned, tender to supply in conformity with the Tender Document the following Goods and related services, viz:

In accordance with ITT Clauses 24 and 25, the following price applies to our Tender:

The Tender Price is: Tk. \_\_\_\_\_  
 (ITT SubClause 24.10 and 25.1) *[in figures]*  
Taka \_\_\_\_\_  
*[in words]*

The advance payment (when applicable) is: Tk. \_\_\_\_\_  
*[insert the amount based on percentage of the Tender Price]* *[in figures]*  
 (GCC SubClause 25.1) Taka \_\_\_\_\_  
*[in words]*

and we shall accordingly submit an Advance Payment Guarantee in the format shown in Form **PG3 - 11**.

In accordance with ITT Clause 23, the following discounts apply to our Tender:

The unconditional discount for being awarded more than one lot in this package is: Tk. \_\_\_\_\_  
 (ITT SubClause 24.11 and 25.1) *[in figures]*  
Taka \_\_\_\_\_  
*[in words]*

The methodology for application of the discount is:  
*[state the methodology]*  
 (ITT SubClause 24.12 and 25.1)

*Delete **BOX**, if this Tender is being invited for **Single Package or Single Lot***

Mandatory Spare parts Price (when Economic Factor applicable) is: Tk. \_\_\_\_\_  
 (ITT SubClause 52.6) *[in figures]*  
Taka \_\_\_\_\_  
*[in words]*

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In signing this letter, and in submitting our Tender, we also confirm that:

- a) our Tender shall be valid for the period stated in the Tender Data Sheet (ITT SubClause 29.1) and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- b) a Tender Security is attached in the form of a *[Pay Order / Bank Draft / Bank Guarantee]* in the amount stated in the Tender Data Sheet (ITT Clause 31) and valid for a period of twenty-eight (28) days beyond the Tender Validity date;
- c) if our Tender is accepted, we commit to furnishing a Performance Security{ XE "**Performance Security**" } in the amount stated in the Tender Data Sheet (ITT SubClause 62.1) in the form stated in Tender Data Sheet (ITT SubClause 63.1) and valid for a period of twenty-eight (28) days beyond the date of completion{ XE "date of completion" \i } of our performance obligations;
- d) we have examined and have no reservations to the Tender Document, issued by you on *[insert date]*;

including Addendum to Tender Documents No(s) *[state numbers]* ,issued in accordance with the Instructions to Tenderers (ITT Clause 11). *[insert the number and issuing date of each addendum; or delete this sentence if no Addendum have been issued]*;

- e) we, including as applicable, subcontractor for any part of the contract resulting from this Tender process, have nationalities from eligible countries, in accordance with ITT SubClause 5.1;
- f) we are submitting this Tender as a sole Tenderer
- g) we are not a Government owned entity as defined in ITT SubClause 5.10 or we are a Government owned entity, and we meet the requirements of ITT SubClause 5.10];  
*(delete one of the above as appropriate)*
- h) we, declare that we are not associated, nor have been associated in the past, directly or indirectly, with a consultant or any other entity that has prepared the design, specifications and other documents, in accordance with ITT SubClause 5.6;
- i) we, including as applicable Subcontractor have not been declared ineligible by the Government of Bangladesh or the Development Partner, under the laws of Bangladesh or official regulations or by an act of compliance with a decision of the United Nations Security Council on charges of engaging in corrupt, fraudulent, collusive, coercive(or obstructive in case of Development Partner)practices, in accordance with ITT SubClause 5.9;
- j) furthermore, we are aware of ITT Sub Clause 4.2 concerning such practices and pledge not to indulge in such practices in competing for or in executing the Contract;
- k) we intend to subcontract an activity or part of the Supply, in accordance with ITT SubClause 16.1 to the following Subcontractor(s);

---

Nature of the Supply or related service      Name and address of Subcontractor

- l) we, confirm that we do not have a record of poor performance, such as abandoning the Supply, not properly completing contracts, inordinate delays, or financial failure as stated in ITT SubClause 5.8, and that we do not have, or have had, any litigation against us, other than that stated in the Tenderer Information Sheet(Form PG3-2);
- m) we are not participating as Tenderers in more than one Tender in this Tendering process. We understand that your written Notification of Award shall become a binding Contract between us, until a formal Contract is prepared and executed;
- n) we understand that you reserve the right to accept or reject any Tender, to cancel the Tender proceedings, or to reject all Tenders, without incurring any liability to Tenderers, in accordance with ITT Clause 57.1.

Signature:

<i>[insert signature of authorized representative of the Tenderer]</i>
--

Name:

<i>[insert full name of signatory with National ID]</i>
---

In the capacity of:

<i>[insert designation of signatory]</i>
--

Duly authorized to sign the Tender for and on behalf of the Tenderer

*[If there is more than one (1) signatory add other boxes and sign accordingly].*

**Attachment 1:** Written confirmation authorizing the above signatory(ies) to commit the Tenderer, in accordance with ITT Sub-Clause 36.3;



1.8	Tenderer to attach photocopies of the original documents mentioned aside	[All documents required under ITT Clauses 5 and 26]
The following two information are applicable for National Tenderers		
1.9	Tenderer's Value Added Tax Registration (VAT) Number	
1.10	Tenderer's Tax Identification Number(TIN)	
[The foreign Tenderers, in accordance with ITT Sub Clause 5.1, shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]		
2. Qualification Information of the Tenderer [ITT Clause 28]		
2.1	General Experience in the supply of Goods and related services of Tenderer [State years of experience]	
2.2	Specific Experience of satisfactory completion of supply of similar Goods	
	Contract No	[ insert reference no] of [ insert year]
	Name of Contract	[insert name]
	Award date	[insert date]
	Completion date	[insert date]
	Total Contract Value	[insert amount]
	Procuring Entity's Name Address Tel / Fax e-mail	
	Brief description with justifications of the similarity compared to the Procuring Entity's requirements	[state justification in support of its similarity compared to the proposed supply]
2.3	Supply and/or production capacity of Goods are:	
	Year	Quantity
		Type of Goods
2.4	Liquid assets available	
	No	Source of Financing
		Amount Available

**Annexure: 3-1** Tenderer's Completed Contracts

**Annexure: 3-2** Tenderer's Ongoing Contract(s)

**Annexure: 3-3** Assessment for Manufacturer's Compliance to Production Capacity

**Annexure: 3-4** Assessment for Tenderer's Compliance to Financial Resources Availability

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**Annexure: 3-1**

**Tenderer's Completed Contracts (within last five years):**

Sl. No.	Name, Address, Phone No., Fax No. & domain E-mail of the Employer	Contract No. & Date	Description of Supply with quantity	Contract Value	Date of completion of Supply
1.					
2.					
3.					
4.					

I/We hereby declare that, above mentioned information\* is correct and there are no more completed similar contracts in Government entities under power sector of Bangladesh other than those mentioned in the above table.

Signatory Name:  
Designation:

Seal & Signature  
of the Tenderer

**\*Note:** This information shall have to be mentioned in the Letterhead pad of the Tenderer duly seal & signed *along with supporting document*. **Failure to submit or misrepresentation of the detail information for any completed similar contract, Tender shall be rejected without further evaluation.**

## Annexure: 3-2

### Tenderer's Ongoing Contract(s):

Sl. No.	Name, Address, Phone No., Fax No. & domain E-mail of the Employer	Contract /NOA No. & Date	Description of Supply as per Contract			Already supplied (if any)		Remaining items to be Supplied		Date of completion of Supply	
			Name of the Item	Quantity	Value	Quantity	Value	Quantity	Value	As per Contract	Target
(1)	(2)	(3)	(4)			(5)		6 = (4-5)		(7)	
<b>Similar contract(s)</b>											
1.											
2.											
3.											
4.											
<b>Other contract(s) (if applicable)</b>											
1.											
2.											
3.											
4.											

I/We hereby declare that, above mentioned information\* is correct and there are no more ongoing contracts in Government entities under power sector of Bangladesh other than those mentioned in the above table.

Signatory Name:  
Designation:

Seal & Signature  
of the Tenderer

**\*Note:** This information shall have to be mentioned in the Letterhead pad of the Tenderer duly seal & signed *along with supporting document*. **Failure to submit or misrepresentation of the detail information for any ongoing contract, Tender shall be rejected without further evaluation.**

**Annexure: 3-3**

**Assessment for Manufacturer's Compliance to Production Capacity:**

<b>Ongoing Similar Contracts Commitments (Table-3A)</b>					
<b>Sl. No.</b>	<b>Name, Address, Phone No., Fax No. &amp; domain E-mail of the Employer</b>	<b>Contract /NOA No. &amp; Date</b>	<b>Outstanding Supply quantity  (X) <sup>a</sup></b>	<b>Remaining Contract Period in months  (Y) <sup>b</sup></b>	<b>Monthly Production Requirement  (X / Y)</b>
1.					
2.					
3.					
4.					
<b>Total Monthly Production Requirement for Ongoing Similar Contract(s) Commitments</b>					

<sup>a</sup> Remaining outstanding supply quantity for ongoing similar contract(s) will be forwarded from **Annexure 3-2** and calculated from 28 days prior to the Tender submission deadline of this Tender.

<sup>b</sup> Remaining contract period to be calculated from 28 days prior to the Tender submission deadline of this Tender.

<b>Assessment of Production Capacity (Table-3B)</b>				
<b>Production capacity of Goods per month from Tenderer Information Sheet (Form PG3-2), Sl. No. 2.3  (A)</b>	<b>Total Monthly Production Requirement for Ongoing Similar Contracts Commitments from Table- 3A  (B)</b>	<b>Remaining Net Production Capacity per month  C= (A-B)</b>	<b>Requirement of the minimum production capacity of Goods per month for this Tender  (D)</b>	<b>Results: [C must be greater than or equal to D]  (E*)</b>
			[1/3 <sup>rd</sup> of the Tended quantity]	

**Note:** \* "E" Must be satisfied to qualify the Tenderer.

### Annexure: 3-4

#### Assessment for Tenderer's Compliance to Financial Resources Availability:

Ongoing Contracts Commitments (Table-4A)					
Sl. No.	Name, Address, Phone No., Fax No. & domain E-mail of the Employer	Contract /NOA No. & Date	Outstanding Contract Value  (X) <sup>a</sup>	Remaining Contract Period in months  (Y) <sup>b</sup>	Monthly Financial Resources Requirement  (X / Y)
1.					
2.					
3.					
4.					
Total Monthly Financial Requirement for Ongoing Contract(s) Commitments					

<sup>a</sup> Remaining outstanding supply value for ongoing contract(s) will be forwarded from **Annexure 3-2** and calculated from 28 days prior to the Tender submission deadline of this Tender.

<sup>b</sup> Remaining contract period to be calculated from 28 days prior to the Tender submission deadline of this Tender.

Assessment of Financial Resources Availability (Table-4B)					
Available Financial Resources from Tenderer Information Sheet (Form PG3-2), Sl. No. 2.4  (A)	Monthly Financial Resources Requirement for Ongoing Contracts Commitments from Table- 4A  (B)	Financial Requirement of Ongoing Contracts Commitments for 2(two) months  C= (2*B)	Net amount Available Financial Resources  D= (A-C)	Financial Requirement for this Tender  (E)	Results: [D must be greater than or equal to E]  (F*)
				[Tk. 100% of the quoted price]	

**Note:** \* "E" Must be satisfied to qualify the Tenderer.

## Subcontractor Information (Form PG3-3)

**Not Applicable**

*[This Form should be completed by each Subcontractor, preferably on its Letter-Head Pad]*

Invitation for Tender No: [ IFT No]  
 Tender Package No [Package No]  
 Lot No. (when applicable) [Lot No]

1. Eligibility Information of the Subcontractor [ITT Clause 5 and 26]	
1.1	Nationality of Individual or country of Registration
1.2	Subcontractor's legal title
1.3	Subcontractor's registered address
1.4	Subcontractor's legal status <i>[complete the relevant box]</i>
	Proprietorship
	Partnership
	Limited Liability Concern
	Government-owned Enterprise
	Other (please describe)
1.5	Subcontractor's year of registration
1.6	Subcontractor's authorised representative details
	Name
	Address
	Telephone / Fax numbers
	e-mail address
1.7	Subcontractor to attach copies of the following original documents
	All documents to the extent relevant to IT <b>Clause 5 and 26</b> in support of its qualifications
The following two information are applicable for national Subcontractors	
1.8	Subcontractor's Value Added Tax Registration (VAT) Number
1.9	Subcontractor's Tax Identification Number(TIN)
[The foreign Subcontractors , in accordance with ITT Sub Clause <b>5.1</b> , shall provide evidence by a written declaration to that effect to demonstrate that it meets the criterion]	

2. Key Activity(ies) for which it is intended to be Subcontracted [ITT Sub Clause 16.1]		
2.1	Elements of Activity	Brief description of Activity
2.2	List of Similar Contracts in which the proposed Subcontractor had been engaged	
	Name of Contract and Year of Execution	
	Value of Contract	
	Name of Procuring Entity	
	Contact Person and contact details	
	Type of Work performed	

**Price Schedule for Goods (Form PG3-4A): Lot-1**

Invitation for Tender No:		Date:	
Tender Package No:	Goods-6	Package Description:	Lot-1: 11/0.4kV, 250KVA Distribution Transformer- 480 Nos. Lot-2: 11/0.4kV, 250KVA Distribution Transformer- 485 Nos.
Tender Lot No:	Lot-1	Lot Description:	11/0.4kV, 250KVA Distribution Transformer- 480 Nos.

**A: PRICE OF GOODS (Including Spare Parts, if any) AND DELIVERY SCHEDULE:**

1	2	3	3	4	5	6	7	8
Item No.	Description Of Item	Country of Origin	Unit of Measurement	Qty Of units Required	Unit price	Total price (col. 4 × 5)	Point of Delivery as per Schedule of Requirement	Completion Schedule
					(Note1)		(Note2)	
1.	11/0.4kV, 250KVA Distribution Transformer		Nos.	480			As per Schedule of Requirement	As per Schedule of Requirement

**Note 1:** All unit rates and prices quoted by the Tenderers against each basic item or activity shall include the Tenderer's profit, overheads, VAT and all other charges including corresponding incidental service charges and premiums for banking and insurances, as applicable and, shall be the delivered price in final destination or at point of delivery and, thus forth the total Tender Price quoted by the Tenderers.

**Note 2:** Tenderer will complete these columns as appropriate following the details specified in Section 6: Schedule of Requirements.

**Note 3:** The Unconditional discount (if any) shall be mentioned in the Tender Submission Letter (Form PG3-1) and Price Schedule for Goods (Form PG3-4A), otherwise it will not be considered for financial evaluation.

Signature:	[insert signature of authorized representative of the Tenderer]
Name:	[insert full name of signatory with National ID]
In the capacity of:	[insert designation of signatory]
Duly authorised to sign the Tender for and on behalf of the Tenderer	

**Price Schedule for Goods (Form PG3-4A): Lot-2**

Invitation for Tender No:		Date:	
Tender Package No:	Goods-6	Package Description:	Lot-1: 11/0.4kV, 250KVA Distribution Transformer- 480 Nos. Lot-2: 11/0.4kV, 250KVA Distribution Transformer- 485 Nos.
Tender Lot No:	Lot-2	Lot Description:	11/0.4kV, 250KVA Distribution Transformer- 485 Nos.

**A: PRICE OF GOODS (Including Spare Parts, if any) AND DELIVERY SCHEDULE:**

1	2	3	3	4	5	6	7	8
Item No.	Description Of Item	Country of Origin	Unit of Measurement	Qty Of units Required	Unit price	Total price (col. 4 × 5)	Point of Delivery as per Schedule of Requirement	Completion Schedule
					(Note1)		(Note2)	
1.	11/0.4kV, 250KVA Distribution Transformer		Nos.	485			As per Schedule of Requirement	As per Schedule of Requirement

**Note 1:** All unit rates and prices quoted by the Tenderers against each basic item or activity shall include the Tenderer's profit, overheads, VAT and all other charges including corresponding incidental service charges and premiums for banking and insurances, as applicable and, shall be the delivered price in final destination or at point of delivery and, thus forth the total Tender Price quoted by the Tenderers.

**Note 2:** Tenderer will complete these columns as appropriate following the details specified in Section 6: Schedule of Requirements.

**Note 3:** The Unconditional discount (if any) shall be mentioned in the Tender Submission Letter (Form PG3-1) and Price Schedule for Goods (Form PG3-4A), otherwise it will not be considered for financial evaluation.

Signature:	[insert signature of authorized representative of the Tenderer]
Name:	[insert full name of signatory with National ID]
In the capacity of:	[insert designation of signatory]
Duly authorised to sign the Tender for and on behalf of the Tenderer	

### Price Schedule for Related Services (Form PG3-4B): Not Applicable

Invitation for Tender No:		Date:	
Tender Package No:		Package Description:	<i>[enter description as specified in Section 6]</i>
Tender Lot No:		Lot Description:	<i>[enter description as specified in Section 6]</i>

#### B: PRICE OF RELATED SERVICES (Including Incidental services, if any) AND COMPLETION SCHEDULE

1	2	3	3	4	5	6	7	
Item N° .	Description Of Item	Country of Origin	Unit of Measurement	Qty Of units Required	Unit price (BDT)	Total price (col. 4 × 5) (BDT)	Point of Completion as per Schedule of Requirement	Completion Schedule Offered as per Schedule of Requirement
					(Note1)		(Note2)	

**Note 1:** All unit rates and prices quoted by the Tenderers against each basic item or activity shall include the Tenderer's profit, overheads, VAT and all other charges including corresponding incidental service charges and premiums for banking and insurances, as applicable, *and shall be the delivered price in final destination or at point of delivery* and, thus forth the total Tender Price quoted by the Tenderers.

**Note 2:** Tenderers will complete these columns as appropriate following the details specified in Section 6: Schedule of Requirements

Signature:	<i>[insert signature of authorised representative of the Tenderer]</i>
Name:	<i>[insert full name of signatory with National ID]</i>
In the capacity of:	<i>[insert designation of signatory]</i>
Duly authorised to sign the Tender for and on behalf of the Tenderer	

## Specifications Submission and Compliance Sheet (Form PG3-5)

Invitation for Tender No:  
Tender Package No:

Date:  
Package Description: *[enter description as specified in Section 6]*  
Lot Description: *[enter description as specified in Section 6]*

Tender Lot No:

Item No.	Name of Goods or Related Service	Country of Origin	Make and Model ( <i>when applicable</i> )	Full Technical Specifications and Standards
1	2	3	4	5
	<b>FOR GOODS</b>			Note 1
	<b>FOR RELATED SERVICES</b>			

*[The Tenderer should complete all the columns as required]*

Signature:	<i>[insert signature of authorized representative of the Tenderer]</i>
Name:	<i>[insert full name of signatory with National ID]</i>
In the capacity of:	<i>[insert designation of signatory]</i>
Duly authorised to sign the Tender for and on behalf of the Tenderer	

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## Manufacturer's Authorisation Letter (Form PG3 - 6)

*[The Tenderer shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]*

*[The Tenderer shall include it in its Tender, if so indicated in the TDS as stated under ITT SubClause 27.1 (f)]*

Invitation for Tender No:	Date:
Tender Package No:	
Tender Lot No <i>(when applicable)</i> :	
To: [Name and address of Procuring Entity]	

### WHEREAS

We *[insert complete name of Manufacturer]*,

who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby

authorize *[insert complete name of Tenderer]* to supply the following Goods, manufactured by us *[insert name and or brief description of the Goods]*.

We hereby extend our full guarantee and warranty as stated under GCC Clause 31 of the General Conditions of Contract, with respect to the Goods offered by the above Tenderer.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Address: *[insert full address including Fax and e-mail]*

Title: *[insert title]*

Date: *[insert date of signing]*

---

## Bank Guarantee for Tender Security (Form PG3 – 7)

*[this is the format for the Tender Security to be issued by a scheduled Bank of Bangladesh as stated under ITT Clause 31 and 32]*

Invitation for Tender No:

Date:

Tender Package No:

Tender Lot No:

To:

[Name and address of Procuring Entity]

### **TENDER GUARANTEE No.:[insert number]**

We have been informed that *[insert name of Tenderer]* (hereinafter called “the Tenderer”) intends to submit to you its Tender dated *[insert date of Tender]* (hereinafter called “the Tender”) for the supply of *[description of goods and related services]* under the above Invitation for Tenders (hereinafter called “the IFT”).

Furthermore, we understand that, according to your conditions, Tenders must be supported by a Bank Guarantee for Tender Security.

At the request of the Tenderer, we *[insert name of Bank]* hereby irrevocably unconditionally undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Tenderer is in breach of its obligation(s) under the Tender conditions, because the Tenderer:

- a. has withdrawn its Tender after opening of Tenders but within the validity of the Tender Security ; or
- b. refused to accept the Notification of Award (NOA) within the period as stated under Instructions to Tenderers (ITT) ; or
- c. failed to furnish Performance Security within the period as stipulated in the NOA; or
- d. refused to sign the Contract Agreement by the time specified in the NOA; or
- e. did not accept the correction of the Tender price following the correction of the arithmetic errors in accordance with the ITT.

This guarantee will expire:

- (a) if the Tenderer is the successful Tenderer, upon our receipt of a copies of the contract signed by the Tenderer and the Performance Security issued to you in accordance with the ITT; or
- (b) if the Tenderer is not the successful Tenderer, twenty-eight (28) days after the expiration of the Tenderer’s Tender validity period, being *[date of expiration of the Tender validity plus twenty-eight(28) days]*

Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Seal

---

## Letter of Commitment for Bank's Undertaking for Line of Credit (Form PG3-8)

*[This is the format for the Credit Line to be issued by any scheduled Bank of Bangladesh in accordance with ITT Clause 28.1(d)]*

Invitation for Tender No:

Date:

Tender Package No:

Lot No (when applicable):

To:

*[Name and address of the Procuring Entity]*

**CREDIT COMMITMENT No:** *[insert number]*

We have been informed that *[name of Tenderer]* (hereinafter called "the Tenderer") intends to submit to you its Tender (hereinafter called "the Tender") for the supply of Goods of *[description of Goods and related services]* under the above Invitation for Tenders (hereinafter called "the IFT").

Furthermore, we understand that, according to your conditions, the Tenderer's Financial Capacity i.e. Liquid Asset must be substantiated by a Letter of Commitment of Bank's Undertaking for Line of Credit.

At the request of, and arrangement with, the Tenderer, we *[name and address of the Bank]* do hereby agree and undertake that *[name and address of the Tenderer]* will be provided by us with a revolving line of credit, in case awarded the Contract, for the delivery of Goods and related services viz. *[insert name of supply]*, for an amount not less than BDT *[in figure]* ( *in words*) for the sole purpose of the supply of Goods and related services under the above Contract. This Revolving Line of Credit will be maintained by us until issuance of "**Acceptance Certificate**" by the Procuring Entity.

In witness whereof, authorised representative of the Bank has hereunto signed and sealed this Letter of Commitment.

Signature

Signature

---

## Notification of Award (Form PG3 - 9)

Contract No:

Date:

To:

*[Name of Contractor]*

This is to notify you that your Tender dated *[insert date]* for the supply of Goods and related Services for *[name of contract]* for the Contract Price { XE "**Contract Price**" \i } of Tk *[state amount in figures and in words]* as corrected and modified in accordance with the Instructions to Tenderers, has been approved by *[name of Procuring Entity]*.

You are thus requested to take following actions:

- i. accept in writing the Notification of Award within seven (7) working days of its issuance pursuant to ITT Sub-Clause 61.3
- ii. furnish a Performance Security { XE "**Performance Security**" } in the specified format and in the amount of Tk *[state amount in figures and words]* ,within fourteen (14)days of receipt of this Notification of Award but not later than *(specify date)*, in accordance with ITT Clause 63.2
- iii. sign the Contract within twenty-eight (28 )days of issuance of this Notification of Award but not later than *(specify date)*, in accordance with ITT Clause 66.2

You may proceed with the execution of the supply of Goods and related Services only upon completion of the above tasks. You may also please note that this Notification of Award shall constitute the formation of this Contract, which shall become binding upon you.

We attach the draft Contract and all other documents for your perusal and signature.

Signed

Duly authorized to sign for and on behalf of *[name of Procuring Entity]*

Date:

---

## Contract Agreement (Form PG3 -10)

THIS AGREEMENT made the [day] day of [month][year] between [name and address of Procuring Entity] (hereinafter called “the Procuring Entity”) of the one part and [name and address of Supplier] (hereinafter called “the Supplier”) of the other part:

WHEREAS the Procuring Entity invited Tenders for certain goods and related services, viz, [brief description of goods and related services] and has accepted a Tender by the Supplier for the supply of those goods and related services in the sum of Taka [Contract Price in figures and in words] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of Contract hereafter referred to.
2. The following documents forming the Contract shall be in the following order of precedence, namely :
  - (a) the signed Form of Contract Agreement;
  - (b) the Notification of Award
  - (c) The completed Tender
  - (d) Particular Conditions of Contract;
  - (e) General Conditions of Contract;
  - (f) Technical Specifications;
  - (g) Drawings;
  - (h) Price Schedules and Schedule of Requirements and;
  - (i) other document including correspondences listed in the PCC forming part of the Contract
3. In consideration of the payments to be made by the Procuring Entity to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Entity to provide the goods and related services and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Supplier in consideration of the provision of the goods and related services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Bangladesh on the day, month and year first written above.

	For the Procuring Entity:	For the Supplier:
Signature		
Print Name		
Title		
In the presence of Name		
Address		

---

## Bank Guarantee for Performance Security (Form PG3 – 11)

*[this is the format for the Performance Security to be issued by a scheduled Bank of Bangladesh in accordance with ITT SubClause 63.1]*

Contract No:

Date:

To:

[Name and address of Procuring Entity]

### **PERFORMANCE GUARANTEE No:** *[insert number]*

We have been informed that *[name of supplier]* (hereinafter called “the Supplier”) has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called “the Contract”) for the supply of *[description of goods and related services]* under the Contract.

Furthermore, we understand that, according to your conditions, Contracts must be supported by a performance guarantee.

At the request of the Supplier, we *[name of bank]* hereby irrevocably unconditionally undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Supplier is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

*[Signatures of authorized representatives of the bank]*

Signature

Seal

---

## Bank Guarantee for Advance Payment (Form PG3 – 12)

*[this is the format for the Advance Payment Security to be issued by a scheduled Bank of Bangladesh in accordance with GCC Clause 26.1]*

Contract No:

Date:

To:

[Name and address of Procuring Entity]

**ADVANCE PAYMENT GUARANTEE No:** [insert number]

We have been informed that *[name of supplier]* (hereinafter called “the Supplier”) has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called “the Contract”) for the supply of *[description of goods and related services]* under the Contract.

Furthermore, we understand that, according to your Particular Conditions of Contract Clause 25.1, Advance Payment(s) on Contracts must be supported by an irrevocable unconditional Bank Guarantee.

At the request of the Supplier, we *[name of bank]* hereby irrevocably unconditionally undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Tk *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Supplier is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

We further agree that no change, addition or other modification of the terms of the Contract to be performed, or of any of the Contract documents which may be made between the Procuring Entity and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

*[Signatures of authorized representatives of the bank]*

Signature

Seal

---

### Deviation List (Form PG3 – 13)

*[If Tenderer has any reservation on terms and conditions, Tenderer has to mention his reservations in Deviation list]*

Sl. No.	Reference No./ Clause No.	Proposed Deviation	Remarks

*[ Add rows if necessary]*

Signature: *[insert signature of authorized representative of the Tenderer]*

Name: *[insert full name of signatory]*

In the capacity of: *[insert designation of signatory]*

Duly authorized to sign the Tender for and on behalf of the Tenderer

---

## Warranty Certificate (Form PG3 - 14)

*[The Tenderer shall require to fill in this Form in accordance with the instructions indicated. This Certificate should be on the letterhead of the Tenderer and should be signed by a person with the proper authority to sign documents.]*

*[The Tenderer shall include it in its Tender, if so indicated in the TDS as stated under ITT SubClause21.1 (I)]*

Invitation for Tender No:	Date:
Tender Package No:	
Tender Lot No( <i>when applicable</i> ):	
To: [Name and address of Procuring Entity]	

WHEREAS

We *[insert complete name of Tenderer]*,

who are authorized Supplier of *[insert type of goods to be Supplied]*, having registered office at *[insert full address of Tendered's registered office]*, do hereby

warrants that all the Goods *[insert name and or brief description of the Goods]* will be supplied by us and we extend our full guarantee and warranty as stated under GCC Clause 31 of the General Conditions of Contract, with respect to the Goods offered by us under this Contract.

Signed: *[insert signature(s) of authorized representative(s) of the Tenderer]*

Name: *[insert complete name(s) of authorized representative(s) of the Tendere]*

Address: *[insert full address including Fax and e-mail]*

Title: *[insert title]*

Date: *[insert date of signing]*

## Section 6. Schedule of Requirement

Invitation for Tender No:

Date

Tender Package No: **Goods-6**

Package

Lot-1: 11/0.4kV, 250KVA Distribution Transformer- 480 Nos.

Description:

Lot-2: 11/0.4kV, 250KVA Distribution Transformer- 485 Nos.

### A. List of Goods and Delivery Schedule

When completing Form PG3-4A the Tenderer shall quote prices and contract delivery dates for each item against each lot and show each Lot separately, as specified in the List of Goods and Delivery Schedule.)

Item No.	Description of Item	Unit of Supply	Quantity of Units required	Point of Delivery	Date Required
1	2	3	4	5	6
Procuring Entity's Option for delivery terms is:					[note 1&2]
<b>Lot-1: 11/0.4kV, 250KVA Distribution Transformer- 480 Nos.</b>					
1.	11/0.4kV, 250KVA Distribution Transformer	Nos.	Consignment-1: <b>240</b>	Designated store of "PDSDP, Mymensingh Zone, BPDB," at Mymensingh/Tangail/Jamalpur/Sherpur/Netrokona/Kishoreganj/Tongi Store/different places at Mymensingh Zone as per direction of project director.	For Consignment-1: Delivery shall be made within 120 days from the date of contract signing.
			Consignment-2: <b>240</b>		For Consignment-2: Delivery shall be made in between 150 days to 210 days from the date of contract signing. However, contractor shall take consent from Project Director before delivering the goods.
<b>Lot-2: 11/0.4kV, 250KVA Distribution Transformer- 485 Nos.</b>					
1.	11/0.4kV, 250KVA Distribution Transformer	Nos.	Consignment-1: <b>245</b>	Designated store of "PDSDP, Mymensingh Zone, BPDB," at Mymensingh/Tangail/Jamalpur/Sherpur/Netrokona/Kishoreganj/Tongi Store/different places at Mymensingh Zone as per direction of project director.	For Consignment-1: Delivery shall be made within 120 days from the date of contract signing.
			Consignment-2: <b>240</b>		For Consignment-2: Delivery shall be made in between 150 days to 210 days from the date of contract signing. However, contractor shall take consent from Project Director before delivering the goods.

Note 1: On successful completion of Pre-shipment inspection/quality test witness, delivery of goods will be made to the designated stores of BPDB under contractor's/supplier's responsibility until Post-Landing Inspection is successfully completed without any obligation on part of BPDB. Quality and quantity of the delivered goods will be determined at the time of post-landing inspection at the designated stores in presence of the authorized representative of the contractor/supplier. After approval of the satisfactory Post-Landing Inspection Report, R&I Report will be issued following the contractual obligations.

Note 2: The delivery of the goods along with truck challan at the Designated store of "PDSDP, Mymensingh Zone, BPDB," at Mymensingh/ Tangail / Jamalpur/ Sherpur/ Netrokona/ Kishoreganj/Tongi Store/ different places at Mymensingh Zone, shall be made within 9:00 am to 4:00 pm (working days) except weekends and Govt. holidays. Quantity and gross weight shall be mentioned in Truck challan.

**B. List of Related Services and Completion Schedule:  
Not Applicable**

<b>Notes on Related Services</b>	
<p><i>The Procuring Entity shall clearly specify the Related services/Incidental services, other than inland transportation and other services required to convey the Goods to their final destination, in this Schedule of requirement. In particular, these services may refer to any of the following but not limited to:</i></p>	
(a)	<i>performance or supervision of on-site assembly and/or start-up of the supplied Goods;</i>
(b)	<i>furnishing of tools required for assembly and/or maintenance of the supplied Goods;</i>
(c)	<i>furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</i>
(d)	<i>performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time as specified, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</i>
(e)	<i>training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods</i>

When completing Form PG3-2 the Tenderer shall quote prices and Completion date for services for each item against each lot

Item No.	Description of Related Services	Unit of Supply	Quantity of Units Required	Point at which Services are required	Required Completion Date for Services
1	2	3	4	5	6
	Procuring Entity's Option for delivery terms is:				[note 1]
<b>Lot No 1: [enter description]</b>					
	<i>[add as many rows and details as there are individual items in the Lot]</i>	[note 2]	[note 2]		
<b>Lot No 2: [enter description]</b>					
	<i>[add as many rows and details as there are individual items in the Lot]</i>				

Note 1: Delivery period starts from the date of contract signing

Note 2: The Procuring Entity must decide whether there is a separate unit of supply and quantity of units, otherwise may specify ONE (1) in both columns or LUMP SUM in Column 4

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**SECTION 07**

**TECHNICAL SPECIFICATIONS**

**OF**

**11/0.4kV, 250KVA DISTRIBUTION TRANSFORMER**

## Technical Specifications/ Requirements of 11/0.415KV, 250KVA, 3-Phase Distribution Transformer

### 7.1 GENERAL

This section of the document includes the design, manufacture, testing & inspection of 11/0.415KV, 250KVA, 3-Phase, Dyn11 distribution transformer as specified.

### 7.2 CLIMATE DATA

The distribution transformers to be supplied against this contract shall be suitable for satisfactory use under the following climatic condition:

Climate	: Tropical, intense sunshine, heavy rain, humid. Maximum Humidity and Temperature sometimes occur simultaneously.
Maximum Temperature	: 40 <sup>0</sup> C
Minimum Temperature	: 03 <sup>0</sup> C
Maximum yearly weighted average temperature	: 30 <sup>0</sup> C
Relative Humidity	: 50-100%
Annual mean Relative Humidity	: 75%
Average annual rain fall	: 3454 mm
Maximum wind velocity	: 200 km/ hour
Average isokeraunic level	: 80 days/ year
Maximum altitude above the sea level	: 300 metres
Atmospherical, Mechanical and Chemical impurities	: Moderately polluted

Transformers as specified will be installed in a hot humid environment and presence of the insects and presence of the insects and vermin locations. The information is given as a guide for Tenders and no responsibility for its accuracy will be accepted, nor any claim based on the above be entertained.

### 7.3 SYSTEM PARTICULARS

S/N	SYSTEM CHARACTERISTICS	VOLTAGE LEVEL			
1.	Normal System Voltage, kV (Voltage Class)	230	132	33	11
2.	Maximum System Voltage, kV	245	145	36	12
3.	System Frequency, Hz	50	50	50	50
4.	Phase Rotation (Anti-Clock wise)	RST	RST	RST	RST
5.	Type of System Grounding	Solid	Solid	Solid	Solid
6.	Rated Fault Level (3-Phase Symmetrical), MVA 3 sec.	12550	6000	1500	381
7.	Basic Insulation Level, kV	750	650	170	75
<b>LOW VOLTAGE 415/ 240V CHARACTERISTICS</b>					
8	Normal System Voltage, V (Voltage Class)	415/ 240			
9	Type of System Grounding	Solid			
10	Basic Insulation Level of LT	2500			

	Winding of Transformer, V	
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#### 7.4 STANDARDS

The equipment specified in this Section shall conform to the latest edition of the appropriate IEC specifications and other recognized international standard. In particular:

IEC	60076	Power Transformers.
IEC	60137	Bushings for alternating voltages above 1 kV.
IEC	60156	Method of determination of electrical strength of insulating oils.
IEC	60296	Specification for unused mineral insulating oils for transformers and switchgear.
IEC	60551	Measurement of transformer and reactor sound levels.
IEC	60616	Terminal and tapping markings for power transformers.
IEC	60722	Guide to lightning and switching impulse testing of power transformers.
IEC	60529-3	Protective coating of iron and steel structures against corrosion.
ASTM A90/ BS EN		Galvanization
	ISO 1461:1999	
IEC 60296 & BS 148		Transformer Oil

#### 7.5 SPECIFICATIONS

1.	Installation	Outdoor, Tropical, High Rainfall & Humidity
2.	Type	Stack Core or Wound Core
3.	Coolant	Mineral oil
4.	Method of Cooling	ONAN
5.	Phases	3 (Three)
6.	Frequency	50 Hz.
7.	Winding	Two windings of high conductivity copper
8.	KVA Rating	250 KVA
9.	Rated Voltage at no-load	11/0.415 kV
10.	Vector Group	Dyn11
11.	Percentage Impedance at 75 <sup>0</sup> C, %	4 %
12.	No Load Loss	520 Watts
13.	Load loss at 75 <sup>0</sup> C	3180 Watts
14.	Maximum Temperature Rise at full load Over 40 <sup>0</sup> C ambient temperature with tap changer in principal position.	a 65 <sup>0</sup> C for Winding measured by Resistance Method. b 60 <sup>0</sup> C for Top Oil measured by thermometer Method.

##### 7.5.1 MAJOR COMPONENTS

##### H.T WINDING:

Nominal rated voltage	11 kV
Maximum system voltage	12 kV
Basic insulation level (minimum)	75 kV
Tap Changer	+1x2.5%, 0, -3x2.5% of rated kV & all fully rated capacity. Tap Changer shall be off load type, manually operated from an external five-position mechanism.
Inter phase connection	Delta
Bushings	Porcelain, outdoors type with arcing horns of standard gap, mounted on top of tank. Quantity - 3 Nos.

Power frequency withstand voltage for one minute	28 kV
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**L.T. WINDING:**

Nominal rated voltage	415 volts
Highest system voltage	457 volts
Inter phase connection	Y (Wye) with neutral brought out.
Bushings	Porcelain, outdoor type, mounted on the top or side (Longest side) of tank. Quantity – 4 nos.
Power frequency withstand voltage for one minute	2.5 kV

<b>TRANSFORMER OIL :</b>	
Application	Insulating mineral oil for Transformer. It will be free from PCB (Poly Chlorinated Biphenyl)
Grade of oil	Class-1
<b>a) Physical Properties</b>	
Appearance	Liquid and free from suspended matter or sediment
Density at 20 <sup>0</sup> C	0.895 g/cm <sup>3</sup> (Max <sup>m</sup> .)
Flash point (Closed cup)	140 <sup>0</sup> C (Min <sup>m</sup> .)
Kinematics Viscosity at -15 <sup>0</sup> C	800 cSt. (Max <sup>m</sup> .)
Kinematics Viscosity at 20 <sup>0</sup> C	40 cSt. (Max <sup>m</sup> .)
Pour point	-30 <sup>0</sup> C (Max <sup>m</sup> .)
<b>b) Electrical Properties</b>	
Dielectric Strength at 50 Hz (with 2.5 mm standard gap and 40 mm standard depth)	New untreated oil, shall go through filtration treatment before the oils are introduced into the apparatus or equipment. The break down voltage of this oil shall be more than 50 kV.
Loss tangent/Dielectric dissipation factor at temp. 90 <sup>0</sup> C, stress 500V/mm to 1000 V/mm and frequency 40 Hz to 62 Hz.	0.005 (Max <sup>m</sup> .)
<b>c) Chemical Properties</b>	
Neutralization value	0.03 mg KOH/g (Max <sup>m</sup> .)
Neutralization value after oxidation	0.40 mg KOH/g (Max <sup>m</sup> .)
Total sludge after oxidation	0.10% weight (Max <sup>m</sup> .)
PCB Content	Free from PCB (Poly Chlorinated Biphenyl)
<b>d) Standards</b>	Performance and testing of oil shall comply with the latest revision of the relevant standards BS 148 : 1972, IEC-60296 or latest revision there on.

**7.6 FEATURES AND ACCESSORIES**

- a) All bolts and nuts connected with transformer tank, conservator, radiator etc. shall be of non-ferrous metal. If it is ferrous metal, it shall be hot dip galvanized as per standard ASTM A90/ BS EN ISO 1461:1999.
- b) Lugs for lifting & towing complete unit.
- c) Facilities for lifting core & coil assembly.
- d) Base designed for platform mounting on poles.

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- e) First filling of new oil shall comply to the latest revision of IEC-60296 standard or other equivalent standards.
  - f) Each H.T. bushing shall have bolted type bimetallic connector suitable for accommodating ACSR conductor having Dia. range from 9mm to 14.5mm.
  - g) Each L.T. bushing shall have bolted type bimetallic connector for accommodating copper/AAC of area range  $2 \times 95 \text{mm}^2$  to  $2 \times 120 \text{mm}^2$  depending upon the KVA rating of the transformer.
  - h) The L.T. bushing shall be installed on the top or side of tank lengthwise of the transformer body.
  - i) Dial thermometer for oil temperature mounted on L.T. side of the tank.
  - j) Earthing terminals at the bottom corners of Tank.
  - k) Name plate with transformer rating & winding diagram made of stainless steel shall have engraved letters filled with black enamel and shall be continuously welded in the transformer body.
  - l) The tank & radiator or flanged radiator shall be painted with two coats of gray finishing paint on suitable prime coats.
  - m) Transformer capacity with Sl. No. and BPDB Contract No. should be marked with emboss/ engrave on the transformer tank adjacent to name plate easily visible from ground as per tender clause-7.14.6.

**FOR CONSERVATOR :**

- a) Transformer tank completes with covers, necessary openings & gaskets.
- b) Complete oil preservation system consisting of an oil conservator with shut-off valve oil level gauge. The system shall have valve for filter press inlet & oil drain. The oil sampling valve & dehydrating breather shall be provided.

**7.7 INFORMATION REQUIRED**

The Bidder/ Manufacturer as per tender requirements shall provide all information. Besides these, the following information has to be submitted:

- a) Manufacturer's Printed Catalogue describing specification and technical data for crucial components of offered 11/0.415KV, 250KVA, 3-Phase, Dyn11 distribution transformer.
- b) Detail dimensional drawings of offered 11/0.415KV, 250KVA, 3-Phase, Dyn11 distribution transformer.
- c) The Bidder/ Manufacturer shall submit the list of available testing/ measuring equipment, meters, etc., along with valid Calibration Certificate(s) from competent authority used in manufacturer's laboratory for performing Routine Test as per IEC standard.
- d) Manufacturer's valid ISO 9001 Certificate.

**7.8 DOCUMENTATION**

The following documents are to be submitted by the Tenderer along with the Tender for the similar KVA rating of same voltage class of offered 11/0.415KV Distribution Transformer; **otherwise the bid will be rejected:**

**A. COMMERCIAL**

Tenderer shall be eligible as per ITT Clause No. 5 and they should submit Bid validity, Bid Bond, Bid Bond validity, Price Schedule, Delivery Schedule, Authorization of the signatory, Tender Submission Sheet, Tenderer Information Sheet & Documentary evidence for establishing the Tenderer's Qualifications, etc. and all other documents including information related to rejection clause as per Tender Document.

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**B. TECHNICAL**

- 1) Guaranteed Technical Particulars (GTP) shall be properly filled up and signed by both Manufacturer & Tenderer;
- 2) Letter of authorization from the Manufacturers, in case, the Bidder is not the manufacturer, in the prescribed Form;
- 3) 2 nos. of Manufacturer's Supply Record for similar or higher KVA rating of same voltage class of offered type Distribution Transformer within the last 5 (five) years from the date of bid opening in the following format (The supply record covering 25% of the tendered quantity in a single Contract will be considered only);

Sl. No.	Name, Address, Phone No., e-mail & Fax No. of the Purchaser	Contract No. & Date	Contract Value	Description of Material with Quantity	Date of Completion of Supply

- 4) At Least 2(two) nos. of Satisfactory Performance Certificate from Electricity utility as End User for similar or higher KVA rating of same voltage class of offered type Distribution Transformer within the last 5 (five) years from the year of Tender Notice. The Satisfactory Performance certificate should be in End User's letterhead Pad in English stating at least one year satisfactory operation from the date of installation of the said transformer and shall contain end-user's full mailing address/ e-mail address, website address/fax and phone no for convenience of authentication.
- 5) Type test & Special test along with Routine test report as per clause no. 7.9 for similar KVA rating of same voltage class of offered type Distribution Transformer from an independent testing laboratory as per IEC 60076. All Type Test & Special test shall be done on the same transformer (having same serial number) from an independent testing laboratory.
- 6) Local manufacturers, who have supplied the same offered item to BPDB within the last 5 (five) years from the date of bid opening, need not to submit any Manufacturer's Supply Record with the tender proposal. In that case, they have to submit one Satisfactory Performance Certificate (within last three years) from Director, Purchase, BPDB, Dhaka for the same offered item covering 25% of the tendered quantity in a single Contract.
- 7) The following provision will be applicable for purchasing less or equal to 50 nos. transformers from new manufacturers.

At least 30 (thirty) nos. of Satisfactory Performance Certificate from end users (public/private) for similar or higher KVA rating of same voltage class of offered type Distribution Transformers within last 3 (three) years from the date of bid opening. The Satisfactory Performance certificate shall be from End User's stating at least one year satisfactory operation from the date of installation of the said transformer and shall contain end-user's full mailing address/ e-mail address, website address/fax and phone no for convenience of authentication. Factory shall be inspected by TEC as per following guide lines:

1. Location of the Factory & layout plan.
2. List of Capital Machineries (Related to manufacturer of the Tendered goods)
3. Factory Project Profile
4. Production Capacity (Yearly)
5. Production Line description.
6. List of Key Personnel (with Bio-data)
7. Provide sample of the Tendered product manufactured in the Factory for evaluation of TEC during factory Inspection.

8. Testing Facilities as per IEC 60076.
9. Warranty period 24 months from R&I issuing date.
10. Trade License, TIN & VAT certificate.
11. Source of raw materials.
12. A sample of the offered type Distribution Transformer shall be tested by TEC at manufacturer's testing laboratory.

All other clauses of the specification and Guaranteed Technical Particulars (GTP) except Supply record & Performance Certificate (Clause no. 7.8 B 3 & 4) shall be applicable for Bid Submission and Evaluation.

## 7.9 TEST REPORTS

Tenderer's shall include in their offer the following routine tests, type tests and Short circuit withstands tests as prescribed in IEC-60076 for 11/0.415KV, 250KVA, 3-Phase, Dyn11 Distribution Transformer.

### ROUTINE TESTS

- 1) Measurement of turn ratio test.
- 2) Vector group test.
- 3) Measurement of winding resistance.
- 4) Measurement of insulation resistance.
- 5) Measurement of no-load loss & no-load current.
- 6) Measurement of impedance voltage & load loss.
- 7) Dielectric withstands Tests.
- 8) Transformer oil tests.

### TYPE TESTS

- 1) Impulse Voltage withstands test.
- 2) Temperature rise test.

### SPECIAL TESTS

- 1) Short circuit withstand test and detail calculation along with thermal & mechanical on the basis of design data.

## 7.10 EVALUATION CRITERIA

- a) The Tenders will be evaluated on the basis of relevant ITT clauses. The capitalized cost of the Transformer losses will **be considered** for evaluation purposes.

Distribution transformers will be evaluated on the basis of following formula:

$$O = C_p + 65,432 \times e \times P_o + 26,173 \times e \times P_{FL}$$

Where: O = Evaluated Price in BDT

C<sub>p</sub> = Quoted Price in BDT

P<sub>o</sub> = Iron loss in KW

P<sub>FL</sub> = Copper loss in KW at full load at 75°C

Guaranteed loss values must be supported by test reports from independent testing laboratory. In case of difference between the loss value declared in the offer and the loss value to be found in the type test report, the higher loss value will be taken into account for the purpose of loss capitalization.

- b) Bidder's declared/ guaranteed no load loss and load loss value shall be within the specified value, otherwise the bid will be rejected.
- c) Bidders declared/ guaranteed percentage impedance value shall be within the specified value; otherwise the bid will be rejected.

**7.11 ACCEPTANCE CRITERIA OF TRANSFORMER LOSS AND PERCENTAGE IMPEDANCE DURING FACTORY TEST WITNESS**

Transformer will be tested during factory test witness and will be accepted if the measured transformer losses are within the offered value or within the following tolerance with

deduction of money from the contract price as below :

- i) Each component loss (No load loss or Full load loss) shall not exceed up to 15% of the offered component loss, provided that the total losses cannot be exceeded 10% of the offered total losses.
- ii) Percentage Impedance may vary up to ± 10 % of the specified value.
- iii) The purchaser can carryout the testing of any transformers during pre-delivery inspection. The testing of transformers during pre-delivery inspection will not be less than 10% at random basis of the transformer ready for inspection but in any case it will not be less than 5 nos. The manufacturer will provide all arrangements for the testing of transformers desired by the purchaser in his factory.
- iv) If the results of any transformer exceeds the offered losses (each component loss exceeds more than 15% or total loss exceeds more than 10% of the offered losses) and percentage impedance exceeds ±10% of the specified percentage impedance then the whole lot will be rejected.
- v) If the measured loss(es) (No load loss or Full load loss or Both) of the tested sample transformer(s) during factory test witness by the BPDB's inspection team and test performed by BUET/ RUET/ CUET/ KUET/ DUET (both tests will be applicable for local manufacturer only) exceed the offered loss (No load loss or Full load loss or Both) but remain within acceptable limit as specific in clause 7.11(i), then an amount will be deducted from the Contract price for the loss(s) exceeding the offered loss(s) (No load loss or Full load loss or Both) according to the following formula :

Amount to be deducted from the Contract price

$$= \{(\text{Measured Loss} - \text{Offered Loss}) \div 1000\} \times 20 \times 365 \times 24 \times \text{LLF} \times e \times \% \text{MT} \times \text{Total nos. of Transformer under the batch}$$

Where,

$$\text{Measured Loss (in watt)} = \text{Measured Average No-load Loss}^* \text{ }^1 + \text{Measured Average Full Load Loss}^* \text{ }^2.$$

$$\text{Offered Loss (in watt)} = \text{Offered No Load Loss} + \text{Offered Full load loss}$$

$$\text{Transformer Economic Life} = 20 \text{ Years}$$

$$\text{LF (Load Factor)} = 60\%$$

$$\text{LLF (Loss Load Factor)} = 0.15 \times \text{LF} + 0.85 \times (\text{LF})^2$$

$$e = \text{Average Energy Selling Price Tk/KWh}$$

%MT (Percentage of Monetized Transformer) = % of the Monetized Transformer found during factory test witness by the BPDB's inspection team and test performed by BUET/ RUET/ CUET/ KUET/ DUET whose measured loss(es) (No load loss or Full load loss or Both) exceed the offered loss (No load loss or Full load loss or Both) but remain within acceptable limit. For example : If total no. of transformers to be inspected is 80 and the no. of selected transformers during pre-delivery inspection is 8, 6 nos. are found within the offered losses and 2 nos. are found exceeding the offered losses then the %MT will be  $(2/8) \times 100 = 25\%$

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\*<sup>1</sup>Measured Average No Load Loss = [Sum of the measured No-load losses of the tested transformer(s) exceeding the offered No-load loss ÷ Nos. of tested transformer(s) which exceeds the offered No-load loss]

\*<sup>2</sup>Measured Average Full Load Loss = [Sum of the measured Full-load losses of the tested transformer(s) which exceeding the offered Full-load loss ÷ Nos. of tested transformer(s) which exceeds the offered Full-load loss]

## **7.12 APPROVAL OF DRAWINGS**

Design, Drawing diagrams, Specification and Technical Particulars & Guarantees etc, shall be submitted to the Engineer (INSERT THE NAME OF THE OFFICE) by the Bidder for approval, prior to the manufacturing of the goods. The Tenderer shall have to submit 3 (three) sets of the same for approval within 15 (fifteen) days from the date of signing Contract. It is noted that the supplier shall have to deliver the transformers within the stipulated time. The submittal shall include Calculation for the Max. Temp. Rise of Winding & Oil over 40<sup>0</sup>C ambient supported by Load Losses and Heat Dissipation by Radiator and also Short Circuit Calculation along with thermal & mechanical calculations on the basis of proposed Design Data.

## **7.13 A. FACTORY INSPECTION AND TEST WITNESS**

The purchaser shall have the right to inspect, examine and test the materials to confirm the conformity to the specification at all reasonable time before and during manufacture at the manufacturer's premises. The Purchaser or its representative maximum 2 (two) times may inspect the goods during the manufacturing process and shall also request for the purchase/import/ shipping documents of copper, oil and transformer core material and shall check in accordance with Guaranteed Technical Particulars (GTP).

An inspection team will be formed by BPDB immediate after signing of the contract to control the quality and monitoring the manufacturing process of the transformer. The manufacturer will allow inspection team to inspect the manufacturing process and quality control and progress of the work at any time need by BPDB's inspection team. This team will witness the Factory test at the manufacturer's plant. The Manufacturer shall have facilities to carryout all tests at its premises.

Tests shall be performed in accordance with the relevant IEC & other relevant standards and as per contract shall be complied with offered technical particulars and guarantees of the contract. All expenses for such tests shall be borne by the bidder.

BPDB's Inspection Team will witness the following test of not less than 10% (KVA rating wise) of total quantity ready for delivery on random sampling basis (sample selected by the Inspection Team) during factory test in manufacturer's factory premises

1. Measurement of turn ratio test;
2. Vector group test;
3. Measurement of winding resistance;
4. Measurement of insulation resistance;
5. Measurement of no load loss & no-load current;
6. Measurement of impedance voltage & load loss;
7. Dielectric withstands Tests;
8. Transformer oil test;
9. Temperature rise test (not less than 5%)

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Besides BPDB's Inspection Team will perform some physical test of at least 1 (one) Transformer (KVA rating wise) of each batch on random sampling basis during factory test:

1. Transformer tank sheet thickness (top bottom & side);
2. Hot dip galvanization test as per standard BS EN ISO 1461:1999 of all bolts & nuts connected with transformer tank, conservator, radiator etc.;
3. Dimension of bolted type bimetallic connector for H.T. and L.T. bushing;
4. Dimension of tanks;
5. Dimension of core dia, height and measurement of weight of active parts as per demand of BPDB's inspection team;
6. Dimension of coil, inner dia & outer dia (HT & LT) etc.
7. Checking of Creepage distance of HT/LT bushings.

The dimension and weight must be as per the approved Technical Specifications/ Technical Guaranteed Data and Drawings.

The manufacturer shall have all testing facilities at the manufacturer's premises to carry out the tests in accordance with the relevant IEC Standards. If, any test(s) pending due to lack of testing facilities at the manufacturer's premises, then the Inspection team shall select transformer(s) as sample and sent the selected sample transformer(s) to BUET/ RUET/ CUET/ KUET/ DUET to carryout the test(s). All cost of testing of transformers including carrying, loading, un-loading etc. will be borne by the Bidder.

The Bidder/ Manufacturer shall submit with the bid the testing procedure & list of testing/ measuring equipment, meters etc. used for Factory test witness.

The Bidder /Manufacturer shall submit the valid Calibration Certificate from competent authority of the testing/ measuring equipments, meters etc. used for Factory test with the tender. The Bidder /Manufacturer shall also submit the following documents along with the request letter for Pre-delivery inspection:

- I. Updated valid Calibration Certificates of the testing/ measuring equipments, meters etc. used for Factory test.
- II. The factory test report (Routine test report) of each transformer to be supplied under the contract.

Failing to submit the above documents, the inspection team will not perform the Pre-delivery Inspection and all the liabilities along with delay (if any) will be borne by the Bidder/Manufacturer.

It is noted that at the time of Factory Test witness BPDB's Inspection team will check the calibration seal/ certificate of the testing/ measuring equipment, meters etc. by the competent authority. If the calibration seal/ certificate of the testing/ measuring equipment, meters etc. are not found and the calibration not done within the due date then BPDB's Inspection team will not witness the test. In that case the Bidder/ Manufacturer shall complete the calibration of the testing/ measuring equipment, meters etc. from the competent authority within a reasonable period without any delay in delivery period.

#### **B. RANDOM SAMPLE TEST DURING FACTORY INSPECTION AND WITNESS:**

During Pre-delivery Inspection & Factory Test Witnessing of the goods to be supplied under the Contract, the Inspection Team will witness the tests as per Clauses No. 7.11 & 7.13(A) of the Tender Document. Besides that the Inspection Team will select 1 (one) Transformer (KVA rating wise) from each batch (if the total contract quantity is permitted to inspect in several batches) on random sampling basis. The selected Transformer will be sent to BUET/ RUET/ CUET/ KUET/ DUET (applicable for local manufacturer only) for performing relevant tests as per IEC Standard. The Tests will be performed as per clause 7.13A at BUET/ RUET/ CUET/ KUET/ DUET as per IEC standard and contract. All cost of testing of Transformer(s) including carrying, loading, un-loading etc. will be borne by the Bidder.

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### **C. ACCEPTANCE OF TRANSFORMER:**

If the test results of the tested sample(s) transformer(s) during factory test witness by the BPDB's inspection team and test performed by BUET/ RUET/ CUET/ KUET/ DUET fail to confirm the specification, the full consignment will be rejected. A formal delivery order will be issued after satisfactory pre-delivery inspection & test report by BPDB's inspection team and test performed by BUET/ RUET/ CUET/ KUET/ DUET.

### **D. POST-DELIVERY INSPECTION & TESTING**

The Inspection team of BPDB shall performed post-delivery inspection in presence of bidder's representative after the delivery of the transformers at the designated store of BPDB. The Bidder shall arrange the program of such inspection. Any defect or damage have been found at post-delivery inspection, the defective or damaged Transformers/ materials/ goods to be repaired/ replaced by the Bidder/ supplier at his own cost.

The purchaser's right to inspect, test (where necessary) and reject the transformer(s) after delivery at the designated store of BPDB shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by the purchaser prior to the good's delivery.

The Inspection team will check the physical conditions and quantity of the goods delivered. The inspection team will select at least 1(One) no. of the transformer for each consignment from the quantity inspected (if the total contract quantity is permitted to inspect in several batches) on random sampling basis and sent the selected sample transformer(s) to BUET/ RUET/ CUET/ KUET/ DUET to carryout the test(s) as per Clause 7.13(A). All cost of testing of Transformer(s) including carrying, loading, un-loading etc. will be borne by the Bidder.

If the tests of transformer(s) are not satisfactory then the inspection team will randomly select double of the earlier sample size and carryout the test as per Clause 7.13(A) from the same laboratory. If the test of any one of the selected sample fails, the batch under this inspection will be rejected and the delivered quantity will be taken back from the store by the supplier at his own cost.

## **7.14 TRANSFORMER CONSTRUCTION**

### **7.14.1 GENERAL**

The transformers shall be double-wound, oil immersed naturally air cooled and conventional type with tank breathers.

The core shall be high-grade cold rolled electrical sheet steel/Amorphos. The primary and secondary windings shall be constructed form high conductivity copper. All turns of windings shall be adequately supported to prevent movement. In cases where turns are spaced out, suitable inter-turn packing shall be provided.

No material, which can be deleteriously affected by the action of oil under the operating conditions of the transformers, shall be used in the transformers or leads or bushings. Construction features shall permit local repairs to be easily carried out in the event of equipment failure.

### **7.14.2 TRANSFORMER TANK**

The transformer tank shall be fabricated from steel and be of robust construction; all welds shall be made by the electrical arc welding process and the slag carefully removed after each run.

With the exception of radiator elements, all external joints shall be welded properly. Cooling radiators shall be of robust and simple construction. Complicated shapes shall not be

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acceptable, and horizontal stiffeners on tanks should be avoided. The bearing surface of the tank to which bushings are clamped shall be substantially flat.

All matching faces or joints to be made oil tight shall be finished with a smooth surface to ensure that the gasketing material will make a satisfactory joint material will make a satisfactory joint.

Flanges and covers of tanks shall be of sufficient thickness to prevent any depression occurring, which would retain water around the bolts.

Bolts shall be spaced at sufficiently close intervals to avoid buckling of either flange or covers and provide reasonably uniform compression of the gasket.

Each transformer shall be provided with a minimum of two closed lifting lugs. The minimum diameter of the hole or width of the slot shall be 25 mm. The two lifting lugs shall be located such that there will be a minimum of 50 mm between the lifting chain and the nearest part of the bushings.

All transformers shall be suitable for outdoor mounting on pole platforms and shall have four mounting lugs with 19 mm dia holes suitable for bolting the transformer to the platform. The two lifting lugs shall be located 150 mm on each side of the centre line of the longest sides of the transformers.

The oil conservator shall be fitted with oil draining and oil filling gate valves, and a breather. The breather shall consist of a looped pipe fitted to the top of the transformer.

The LT Bushings shall be mounted on one of the longest side of the transformer tank. An oil level sight glass shall be fitted and marked with minimum & maximum oil level mark at ambient temperature.

All the transformer shall have the hole (dia 3mm) on the top cover and tank in 2 (two) corners for sealing purpose.

### **7.14.3 TRANSFORMER CORE AND COILS**

Transformers core and coils must be new, unused, and clean.

Supporting frames of the core and coils of transformers shall be designed to accommodate variations in tank height.

The core and coil assembly shall have the core and coils rigidly connected to the tank and suitably closed lugs shall be provided for removing the core and coil assembly from the tank.

Transformer Sl. no. should be marked with emboss on the Supporting frames of the core and coils of each transformers minimum in 2(two) places.

### **7.14.4 TRANSFORMER SEALING**

A satisfactory lid-sealing gasket shall be provided on each of these transformers to maintain the seal at extremes of operating temperature. A cold oil level (COL) mark shall be provided inside each transformer marked COL.

### **7.14.5 FINISHES**

#### **a) Painting**

Painting ferrous metal work is to be provided with an effective vapour sealing paint finish, applied generally in accordance with BS 5493 and /or other recognised international standard.

Paint shall be applied to produce a uniform film. Edges corners, crevices, welds, bolts, and rivets shall receive special attention to maintain the required thickness.

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Before painting or filling with oil or compound, all un-galvanised parts shall be completely clean and free from rust, scale and grease and all external rough metal surfaces on the casting shall be filled.

The paint system shall be in accordance with best practice for hot and humid locations in a highly aggressive environment. A description of the paint system to be used and the proposed method of application shall be fully described in the Tender.

All external surfaces shall receive a minimum of three coats of paint. The primary coat shall contain an approved rust inhibitor and shall be applied as soon as possible after the completion of the surface preparation. The second coat shall be of oil and weather resisting nature and have a shade of colour easily distinguishable from the primary. The final coat shall be of oil and weather resisting and non-fading glossy paint of a colour agreed by the Engineer.

**b) Non-ferrous parts and Bright Steel parts**

All exposed metal liable iron corrosion during transport is to be appropriately protected by casting with an approved anti-rusting composition. Other non-ferrous parts shall be adequately protected against corrosion during shipment or in service.

**c) Galvanizing**

Galvanizing where applicable shall be applied by the hot dipped process generally in accordance with ASTM A90/ BS EN ISO 1461:1999 or equivalent standard of metal surface unless specified otherwise.

The zinc coating shall be smooth clean and of uniform thickness and free from defects. The preparation of galvanizing itself shall not adversely affect the mechanical properties of the coated material.

All drilling, punching, cutting, shaping and welding of parts shall be completed and all burrs shall be removed before the galvanizing process is applied.

Surfaces that are in contact with oil shall not be galvanized or cadmium plated.

**7.14.6 RATING PLATE**

A brass or stainless steel rating plate shall be fitted to each transformer. The information shall deeply etched including the diagram of the connections of the windings, the vector diagram showing the general phase relations of the transformer, and a diagrammatic plan of the transformer cover showing the terminal positions and marking and other essential particulars. The plate shall be mounted in an accessible position and preferably adjacent to the tapping switch if this is located on the side of the tank.

The rating plate shall be fitted below the LV terminals. Rating and diagram plates shall be attached by a 5 mm brass screw in each corner to 20 mm mild steel brackets continuously welded horizontally approximately 20 mm from the tank side. The following information is to be provided on the rating and diagram plate in the English language – clearly and indelibly marked.

- \* Transformer type
- \* Manufacture's name and country of origin
- \* Manufacturer's serial number
- \* Year of Manufacture
- \* Number of phases
- \* Rated power
- \* Rated frequency
- \* Rated voltages
- \* Rated currents
- \* Connection symbol
- \* Impedance voltage at rated current

- \* Type of cooling
- \* Total mass
- \* Mass of insulating oil
- \* Insulation levels
- \* Details regarding tapings

Each Transformer should be marked with emboss or welded on the body easily visible from the ground, with letters of size mentioned against each word(s)/ sentence(s) below:

**BPDB (40 mm)**  
**Contract No & Date: (20 mm)**  
**Country of Origin:**

**Note:**

- a) Sl. No. ....of .....KVA ..... is meant for particular No. of the Transformer out of the contracted quantity under this contract.
- b) The above marking on the body of the transformer shall be done in addition to the normal nameplate of the transformer. The nameplate shall be continuous welded on the body of the Transformer before Pre-delivery inspection.

**7.14.7 TERMINAL MARKING**

All transformers shall have the primary and secondary terminal markings plainly and indelibly marked on the transformer adjacent to the relevant terminal. These markings shall preferably be 25 mm in height. The terminal marking shall be embossed on the body of the Transformer with respective color code.

**7.14.8 TERMINAL LEADS**

Outgoing leads shall be brought out through bushings. The leads shall be such that the core and coils may be removed with the least possible interference with these leads, and they shall be specially supported inside the transformer to withstand the effects of vibration and short circuits.

**7.14.9 BUSHINGS**

All bushings shall be porcelain clad, and shall be of the highest quality. They shall be sealed in a manner to prevent ingress of moisture and to facilitate removal. The neutral bushings and stems shall be identical to those provided for phase terminations. Bushing stems, nuts and washers shall be made of brass.

**7.14.10 EARTHING CONNECTIONS**

Earthing connections shall be provided with connection facilities for 2x50 mm<sup>2</sup> copper stranded conductor. The bolts shall be located on the lower side of the transformer and be of M12 size; each shall be clearly indicated with an engraved 'earth symbol'. Two earthing connections are required on each transformer.

**7.14.11 GASKETS**

Any gaskets provided with the transformers shall be suitable for making oil tight joints, and there shall be no deleterious effects of either gaskets or oil when the gaskets are continuously in contact with hot oil. No gaskets shall be used in which the material of the material of the gasket is mounted on a textile backing. Exterior gaskets shall be weatherproof and shall not be affected by strong sunlight. All gaskets shall be closed design (without open ends) and shall be one piece only.

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#### **7.14.12 OIL**

All transformers shall be filled to the required level with new, unused, clean, standard mineral oil after treatment in compliance with IEC 60296 & BS 148.

#### **7.14.13 TAPINGS**

Five voltage tapings shall be provided on the primary side of each transformer and shall give: + 2.5%, 0, - 2.5%, - 5% and -7.5% steps of the primary nominal voltage.

The tapings shall be selected by an 'off load' tapping switch with an external hand wheel with provision for locking onto a selected tapping. The switch shall have a positive action designed to eliminate the possibility of stopping in an intermediate position. The shaft shall be adequately sealed so that no seepage of oil occurs under all conditions of service.

The voltage operating positions, together with tap change positions shall be clearly and indelibly marked.

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**SECTION 08**

**GUARANTEED TECHNICAL PARTICULARS**

### 8.1 Manufacturer's Guaranteed Technical Data Schedule for 11/ 0.415 KV, 3-Phase, 250KVA Distribution Transformer

(To be filled up by the Manufacturer in Manufacturer Letterhead Pad, otherwise the bid shall be rejected)

SL. NO.	Description	BPDB'S Requirement	Manufacturer's Guaranteed Data
1	Manufacturer's Name & Address	To be mentioned	
2	Manufacturer's Type/ Model No.	To be mentioned	
3	KVA Rating	250	
4	Number of Phases	3	
5	Rated frequency, Hz	50	
6	Rated primary voltage, KV	11	
7	Rated no load sec. voltage, V	415	
8	Vector group	Dyn11	
9	<b>Highest system voltage of :</b>		
	a) Primary winding, KV	12	
	b) Secondary winding, V	457	
10	Basic insulation level, KV	75	
11	Power frequency withstand voltage, KV		
	a) HT Side	28	
	b) LT Side	2.5	
12	Type of cooling	ONAN	
13	<b>Max. Temp. Rise over 40°C of ambient supported by Calculation (to be submitted) of Load Loss, Temperature Rise and Heat Dissipation by Radiator on the basis of Design Data:</b>		
	a) Windings deg. C	65	
	b) Top oil deg. C	60	
14	Type of primary tapping off load, %	+1x2.5%, 0, -3x 2.5%	
15	Percentage Impedance at 75°C, % (supported by type test report)	4%	
16	No-load loss, Watts (supported by type test report)	520	
17	Load losses at rated full load at 75°C, Watts (supported by type test report)	3180	
18	Magnetising current at normal voltage, Amps	To be mentioned	
19	<b>Efficiency at 75°C and 100% load :</b>		
	a) at 1.0 power factor, %	To be mentioned	
	b) at 0.8 power factor, %	To be mentioned	
20	<b>Efficiency at 75°C and 75% load :</b>		
	a) at 1.0 power factor, %	To be mentioned	
	b) at 0.8 power factor, %	To be mentioned	
21	<b>Efficiency at 75°C and 50% load :</b>		
	a) at 1.0 power factor, %	To be mentioned	
	b) at 0.8 power factor, %	To be mentioned	

**Manufacturer's Seal & Signature**

**Bidder's Seal & Signature**

**Manufacturer's Guaranteed Technical Data Schedule for 11/ 0.415 KV, 3-Phase,  
250KVA Distribution Transformer**

(To be filled up by the Manufacturer in Manufacturer Letterhead Pad, otherwise the bid shall be rejected)

Sl. No.	Description	BPDB'S Requirement	Manufacturer's Guaranteed Data
22	<b>Efficiency at 75°C and 25% load :</b>		
	a) at 1.0 power factor, %	To be mentioned	
	b) at 0.8 power factor, %	To be mentioned	
23	<b>Regulation at full load :</b>		
	a) at 1.0 power factor, %	To be mentioned	
	b) at 0.8 power factor, %	To be mentioned	
<b>Transformer Oil :</b>			
24	a) Type of oil	Mineral Insulating Oil	
	b) Manufacturer's Name & Address	To be mentioned	
25	Total weight of oil, Kg	To be mentioned	
26	Breakdown Voltage at 2.5mm gap between electrodes	> 50 kV	
<b>Transformer Core (Stack Core or Wound Core):</b>			
27	Manufacturer's Name & Address	To be mentioned	
28	Total weight of core, Kg	To be mentioned	
29	Material of core & grading (CRGO/Amorphous)	To be mentioned	
30	Core Loss/ Kg, supported by Characteristic Curve & Core Manufacturer's Brochure	To be mentioned	
31	Thickness of core, mm	To be mentioned	
32	Core Dia, mm	To be mentioned	
33	Max. magnetic flux density, Tesla	To be mentioned	
<b>Transformer Windings :</b>			
34	Copper Conductor's Manufacturer Name & Address	To be mentioned	
35	Material of windings	copper	
36	Winding resistance of :		
	a) H.T. winding, Ohm. (per phase at 75°C)	To be mentioned	
	b) L.T. winding, milli-Ohm. (per phase at 75°C)	To be mentioned	
37	Current density of :		
	a) H.T. winding, Amps/sq. mm	To be mentioned	
	b) L.T. winding, Amps/sq. mm	To be mentioned	
38	Outer, Inner & Mean dia of copper winding:		
	a) H.T. winding, mm	To be mentioned	
	b) L.T. winding, mm	To be mentioned	

**Manufacturer's Seal & Signature**

**Bidder's Seal & Signature**

**Manufacturer's Guaranteed Technical Data Schedule for 11/ 0.415 KV, 3-Phase,  
250KVA Distribution Transformer**

(To be filled up by the Manufacturer in Manufacturer Letterhead Pad, otherwise the bid shall be rejected)

<b>Sl. No.</b>	<b>Description</b>	<b>BPDB'S Requirement</b>	<b>Manufacturer's Guaranteed Data</b>
39	Size of Copper Conductor :		
	a) H.T. winding SWG, dia. in mm & area in mm <sup>2</sup>	To be mentioned	
	b) L.T. winding SWG, area in mm <sup>2</sup>	To be mentioned	
40	Number of Turns :		
	a) HT winding, nos.	To be mentioned	
	b) LT winding, nos.	To be mentioned	
41	Copper weight of windings :		
	a) HT winding, Kg	To be mentioned	
	b) LT winding, Kg	To be mentioned	
42	Total weight of copper windings, Kg	To be mentioned	
43	<b>Dimension of Transformer :</b>		
	a) Width, mm (supported by type test report)	To be mentioned	
	b) Length, mm (supported by type test report)	To be mentioned	
	c) Height, mm (supported by type test report)	To be mentioned	
	d) Tank Sheet thickness of top, bottom & side, mm	5, 5 & 4	
	e) Total weight of transformer tank, Kg	To be mentioned	
44	a) Total weight of active part (core, coil and other accessories), Kg	To be mentioned	
	b) Total weight of complete Transformer including fittings & oil, Kg (supported by type test report)	To be mentioned	
45	Type of breathings	To be mentioned	
46	Name of relevant IEC or other Equivalent Standards for Design, manufacture, testing and performance.	To be mentioned	
47	<b>Drawing :</b>		
	a) General Arrangement & Outline Dimensions	To be submitted	
	b) Internal Construction Details/ Sectional drawing of active parts including Insulation arrangement	To be submitted	
	c) HT & LT Bushings with dimension & current ratings	To be submitted	
	d) Cross-section & Dimensional drawing of Core & Windings	To be submitted	
	e) Radiator with detail dimensional drawing	To be submitted	
	f) Tap changer with dimension & current ratings.	To be submitted	

**Manufacturer's Seal & Signature**

**Bidder's Seal & Signature**

**Manufacturer's Guaranteed Technical Data Schedule for 11/ 0.415 KV, 3-Phase,  
250KVA Distribution Transformer**

(To be filled up by the Manufacturer in Manufacturer Letterhead Pad, otherwise the bid shall be rejected)

Sl. No.	Description	BPDB'S Requirement	Manufacturer's Guaranteed Data
48	<b>Routine Test Report :</b>		
	a) Measurement of turn ratio test.	To be submitted	
	b) Vector group test.	To be submitted	
	c) Measurement of winding resistance.	To be submitted	
	d) Measurement of insulation resistance.	To be submitted	
	e) Measurement of no load loss & no-load current.	To be submitted	
	f) Measurement of impedance voltage & load loss.	To be submitted	
	g) Dielectric withstands Tests.	To be submitted	
	h) Transformer oil test (including Tan delta).	To be submitted	
49	<b>Type Tests report along with details test result and drawings for 11/0.415KV, 250KVA, 3-Phase, Dyn11 Distribution Transformer from an independent testing Laboratory as per IEC 60076 Standards.</b>		
	a) Impulse Voltage Withstands test.	To be submitted	
	b) Temperature Rise test.	To be submitted	
50	Short-circuit Tests Report for the offered 11/0.415KV, 250KVA, 3-Phase, Dyn11 Distribution Transformer as per relevant IEC with detail test results & drawings from reputed independent testing Laboratory/ Institution and detail calculation on the basis of design data by the manufacturer.	To be submitted	

**Manufacturer's Seal & Signature**

**Bidder's Seal & Signature**

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## 8.2 SCHEDULE OF MANUFACTURERS NAME AND PLACES OF MANUFACTURE & TESTING

Item No	Description	Manufacture's name	Place of Manufacture	Place of Testing & Inspection
01				

Seal and Signature of the Bidder

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### 8.3 SCHEDULE OF PROPOSED STANDARDS TO WHICH CONDUCTOR(S) SHALL BE PROVIDED

The Bidder shall indicate the Standard to which the materials offered by him conforms to.

Should these standards differ from the specified Standard in any respect the Bidder shall detail the differences between the proposed and specified Standard.

Item No	Description	Standard
1.		
2		

**Seal and Signature of the Bidder**

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## **SECTION 09**

### **DRAWINGS**

(To be submitted)