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आज़ादी का
अमृत महोत्सव

भारतीय राष्ट्रीय उपभोक्ता सहकारी संघ मर्यादित

NATIONAL COOPERATIVE CONSUMERS' FEDERATION OF INDIA LTD.

(Under Ministry of Consumer Affairs, Govt. of India)


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Short Tender Notice

NCCF, Guwahati Branch intends to be participated in E-tender vide tender notice: **MPSPDP/GSP/05/2022-23**, Dated-04.10.2022 floated by Office of the Project Director, Madhya Pradesh 'Skill Development Project, Directorate of Skill Development, Madhya Pradesh for Procurement of Electronics- Equipment's for GSP main campus including installation and commissioning at the GSP Main Campus Interested enlisted, sound and well experience supplier(s) of NCCF, Guwahati are requested to submit their offer on or before 30.10.2022 at 11.00 pm.

- Selection of supplier will be made on the base of maximum margin offered for NCCF and lowest rate quoted and acceptance of all terms & conditions of tender no **MPSPDP/GSP/05/2022-23**, Dated-04.10.2022 and NCCF Guidelines.
- Conditional offer will not be considered.
- NCCF, Guwahati Branch reserved the right to accept or reject any offer at any stage without assigning any reason thereof.


Branch Manager
Guwahati

Encl: Copy of Tender Documents.

**Office of the Project Director, Madhya Pradesh Skills Development Project,
Directorate of Skill Development, Madhya Pradesh**

Invitation for Bids No.: MPSDP/GSP/05/2022-23

Date: 04.10.2022

Loan No. and Title: 3710-IND/ Madhya Pradesh Skills Development Project.

Contract Package No. and Title: MPSDP/GSP/Equipment/15; Procurement of Electronics - Equipments for GSP

Deadline of Submission of Bids: 02.11.2022 at 11:30 hrs. (IST)

1. The Government of India has received a loan from the Asian Development Bank (ADB) towards the cost of "Madhya Pradesh Skills Development Project" and it intends to apply part of the proceeds of this financing to the payment under the Contract Package named above. Bidding is open to Bidders from eligible source countries of ADB.
2. The "The Project Director, Madhya Pradesh Skills Development Project, Directorate of Skill Development, Madhya Pradesh represented by The Director ("the Purchaser") invites sealed bids from eligible Bidders for the Procurement of Electronics - Equipments for GSP Main Campus including installation and commissioning at the GSP Main Campus.
3. **National Competitive Bidding** will be conducted in accordance with **ADB's Single-stage: Two- envelope** bidding procedure and is open to all Bidders from eligible countries as described in the Bidding Document.
4. To obtain further information and inspect the bidding documents, Bidders should contact: The Project Director Madhya Pradesh Skills Development Project (MPSDP), Directorate of Skill Development, 1st Floor, Global Skills Park – City Campus, ITI Campus Govindpura, City: Bhopal, District: Bhopal, Madhya Pradesh ZIP code: 462023 Country: India, Telephone & Fax: 0755-2986606, Email - proc.mpsdp@gmail.com
5. To purchase the bidding documents in English, eligible Bidders should write or visit at the office of the Purchaser at address stated above and pay a non-refundable fee of INR 5,000 in the form of Bank Demand Draft. In case of written request, the document will be sent by post and no liability will be accepted for loss or late delivery.
6. The eligible bidders may otherwise purchase the bidding document in English language by downloading the document from the website <http://mpsdp.mp.gov.in>. Such bidders shall be required to submit INR 5,000 with their bid in the form of Bank demand draft in the name of the Project Director Madhya Pradesh Skills Development Project, Directorate of Skill Development, Bhopal towards the cost of purchasing the bidding document following provisions in the bidding document (Section 2: Bid Data Sheet, ITB clause 11.2(i).3).
7. Deliver your bid to the address above on or before the deadline: **02.11.2022** at 11:30 hrs. (IST) together with a Bid Security as described in the Bidding Document.
8. Bids will be opened on **02.11.2022** at 12:00 hrs. (IST) in the presence of Bidders representatives who choose to attend.
9. The Purchaser will not be responsible for any cost or expenses incurred by the bidder in connection with the preparation or delivery of bids.

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Directorate of Skill Development

Preface

This Bidding Document for Procurement of Goods has been prepared by Department of Technical Education, Skill Development and Employment (DTESD&E) and is based on the Standard Bidding Document for the Procurement of Goods issued by the Asian Development Bank, dated 04 October 2022.

This document reflects the structure and the provisions of the Master Procurement Document for the Procurement of Goods, except where specific considerations within the Asian Development Bank have required a change.

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Section 1: Instructions to Bidders

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A. General

- 1. Scope of Bid**
- 1.1 In connection with the Invitation for Bids (IFB) indicated in the Bid Data Sheet (BDS), the Purchaser, as indicated in the BDS, issues this Bidding Document for the supply of Goods and Related Services incidental thereto as specified in Section 6 (Schedule of Supply). The name, identification, and number of lots of the open competitive bidding (OCB) are provided in the BDS.
- 1.2 Throughout this Bidding Document,
- (a) the term “in writing” means communicated in written form and delivered against receipt;
- (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and
- (c) “day” means calendar day.
- 2. Source of Funds**
- 2.1 The Borrower or Recipient (hereinafter called “Borrower”) indicated in the BDS has applied for or received financing (hereinafter called “funds”) from the Asian Development Bank (hereinafter called “ADB”) toward the cost of the project named in the BDS. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued.
- 2.2 Payments by ADB will be made only at the request of the Borrower and upon approval by ADB in accordance with the terms and conditions of the Financing Agreement between the Borrower and ADB (hereinafter called the Financing Agreement), and will be subject in all respects to the terms and conditions of that Financing Agreement. No party other than the Borrower shall derive any rights from the Financing Agreement or have any claim to the funds.
- 3. Fraud and Corruption**
- 3.1 ADB’s Anticorruption Policy (1998, as amended to date) requires Borrowers (including beneficiaries of ADB-financed activity), as well as Bidders, Suppliers, and Contractors under ADB-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, ADB
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
- (i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- (ii) “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

- (iv) “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
 - (v) “abuse” means theft, waste, or improper use of assets related to ADB-related activity, either committed intentionally or through reckless disregard;
 - (vi) “conflict of interest” means any situation in which a party has interests that could improperly influence that party’s performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations;
 - (vii) “obstructive practice” means (a) deliberately destroying, falsifying, altering, or concealing of evidence material to an ADB investigation or deliberately making false statements to investigators, with the intent to impede an ADB investigation; (b) threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to a Bank investigation or from pursuing the investigation; or (c) deliberate acts intended to impede the exercise of ADB’s contractual rights of audit or access to information; and
 - (viii) “integrity violation” is any act, as defined under ADB’s Integrity Principles and Guidelines (2015, as amended from time to time), which violates ADB’s Anticorruption Policy, including (i) to (v) above and the following: violations of ADB sanctions, retaliation against whistleblowers or witnesses, and other violations of ADB’s Anticorruption Policy, including failure to adhere to the highest ethical standard.
- (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;
 - (c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the borrower or of a beneficiary of ADB-financing engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the procurement or the execution of that contract, without the borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation;
 - (d) will impose remedial actions on a firm or an individual, at any time, in accordance with ADB’s Anticorruption Policy and Integrity Principles and Guidelines, including declaring ineligible, either indefinitely or for a stated period of time, to participate¹ in ADB-financed, -administered, or -supported activities or to benefit from an ADB-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt,

¹ Whether as a Contractor, Subcontractor, Consultant, Manufacturer or Supplier, or Service Provider; or in any other capacity (different names are used depending on the particular Bidding Document).

- fraudulent, collusive, coercive, or obstructive practices or other integrity violations; and
- (e) will have the right to require that a provision be included in bidding documents and in contracts financed by ADB, requiring Bidders, suppliers and contractors to permit ADB or its representative to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by ADB.
- 3.2 All Bidders, consultants, contractors, suppliers and other third parties engaged or involved in ADB-related activities have a duty to cooperate fully in any screening or investigation when requested by ADB to do so. Such cooperation includes, but is not limited to, the following:
- (a) being available to be interviewed and replying fully and truthfully to all questions asked;
 - (b) providing ADB with any items requested that are within the party's control including, but not limited to, documents and other physical objects;
 - (c) upon written request by ADB, authorizing other related entities to release directly to ADB such information that is specifically and materially related, directly or indirectly, to the said entities or issues which are the subject of the investigation;
 - (d) cooperating with all reasonable requests to search or physically inspect their person and/or work areas, including files, electronic databases, and personal property used on ADB activities, or that utilizes ADB's Information and Communications Technology (ICT) resources or systems (including mobile phones, personal electronic devices, and electronic storage devices such as external disk drives);
 - (e) cooperating in any testing requested by ADB, including but not limited to, fingerprint identification, handwriting analysis, and physical examination and analysis; and
 - (f) preserving and protecting confidentiality of all information discussed with, and as required by, ADB
- 3.3 All Bidders, consultants, contractors and suppliers shall ensure that, in its contract with its sub-consultants, Subcontractors and other third parties engaged or involved in ADB-related activities, such sub-consultants, Subcontractors and other third parties similarly undertake the foregoing duty to cooperate fully in any screening or investigation when requested by ADB to do so.
- 3.4 The Purchaser hereby puts the Bidder on notice that the Bidder or any joint venture partner of the Bidder (if any) may not be able to receive any payments under the Contract if the Bidder or any of its joint venture partners, as appropriate, is, or is owned (in whole or in part) by a person or entity subject to applicable sanctions.
- 3.5 Furthermore, Bidders shall be aware of the provision stated in Subclause 3.2 and Subclause 35.1 (a)(iii) of the General Conditions of Contract.

- 4. Eligible Bidders** 4.1 A Bidder may be a natural person, private entity, or government-owned enterprise subject to ITB 4.5-or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture. In the case of a Joint Venture,
- (a) all parties to the Joint Venture shall be jointly and severally liable; and
 - (b) the Joint Venture shall nominate a representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the Joint Venture during the bidding process and, in the event the Joint Venture is awarded the Contract, during contract execution.
- 4.2 A Bidder, and all parties constituting the Bidder, shall have the nationality of an eligible country, in accordance with Section 5 (Eligible Countries). A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract, including related services.
- 4.3 A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if any of, including but not limited to, the following apply:
- (a) they have controlling shareholders in common; or
 - (b) they receive or have received any direct or indirect subsidy from any of them; or
 - (c) they have the same legal representative for purposes of this Bid; or
 - (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to material information about or improperly influence the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - (e) a Bidder participates in more than one bid in this bidding process, either individually or as a partner in a Joint Venture, except for alternative offers permitted under ITB 13. This will result in the disqualification of all Bids in which it is involved. However, subject to any finding of a conflict of interest in terms of ITB 4.3 (a)–(d) above, this does not limit the participation of a Bidder as a subcontractor in another bid or of a firm as a subcontractor in more than one Bid; or
 - (f) a Bidder, Joint Venture partner, associates, parent company or any affiliated entity, participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the Bid; or

- (g) a Bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the Purchaser or Borrower as Project Manager for the contract; or
- (h) a Bidder would be providing goods, works, or nonconsulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm.
- 4.4 A firm shall not be eligible to participate in any procurement activities under an ADB-financed, -administered, or -supported project while under temporary suspension or debarment by ADB pursuant to its Anticorruption Policy (see ITB 3), whether such debarment was directly imposed by ADB, or enforced by ADB pursuant to the Agreement for Mutual Enforcement of Debarment Decisions. A bid from a temporary suspended or debarred firm will be rejected.
- 4.5 Government-owned enterprises in the Purchaser's country shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under commercial law, and (iii) are not a dependent agency of the Purchaser.
- 4.6 A Bidder shall not be under suspension from Bidding by the Purchaser as a result of the execution of a Bid-Securing Declaration.
- 4.7 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 4.8 Firms shall be excluded if by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of works or services from that country or any payments to persons or entities in that country.
- 5. Eligible Goods and Related Services**
- 5.1 All Goods and Related Services to be supplied under the Contract and financed by ADB, shall have their country of origin in eligible source countries as defined in ITB 4.2, and all expenditures under the Contract will be limited to such Goods and Related Services.
- 5.2 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, commissioning, training, and initial maintenance.
- 5.3 The term "country of origin" means the country where the goods have been mined, grown, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.
- 5.4 The nationality of the firm that produces, assembles, distributes, or sells the goods shall not determine their origin.

B. Contents of Bidding Document

6. **Sections of the Bidding Document**
- 6.1 The Bidding Document consists of Parts I, II, and III, which include all the sections indicated below, and should be read in conjunction with any addenda issued in accordance with ITB 8.
- PART I Bidding Procedures**
- Section 1 Instructions to Bidders (ITB)
 - Section 2 Bid Data Sheet (BDS)
 - Section 3 Evaluation and Qualification Criteria (EQC)
 - Section 4 Bidding Forms (BDF)
 - Section 5 Eligible Countries (ELC)
- PART II Supply Requirements**
- Section 6 Schedule of Supply (SS)
- PART III Conditions of Contract and Contract Forms**
- Section 7 General Conditions of Contract (GCC)
 - Section 8 Special Conditions of Contract (SCC)
 - Section 9 Contract Forms (COF)
- 6.2 The IFB issued by the Purchaser is not part of the Bidding Document.
- 6.3 The Purchaser is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from the source stated by the Purchaser in the IFB.
- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document, may result in the rejection of the Bid.
7. **Clarification of Bidding Document**
- 7.1 A prospective Bidder requiring any clarification on the Bidding Document shall contact the Purchaser in writing at the Purchaser's address indicated in the BDS. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than 21 days prior to the deadline for submission of Bids. The Purchaser shall forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 8 and ITB 24.2.
8. **Amendment of Bidding Document**
- 8.1 At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bidding Document by issuing addenda.
- 8.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Purchaser in accordance with ITB 6.3.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of the Bids, pursuant to ITB 24.2.

C. Preparation of Bids

- 9. Cost of Bidding** 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 10. Language of Bid** 10.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 11. Documents Comprising the Bid** 11.1 The Bid shall comprise two envelopes submitted simultaneously, one containing the Technical Bid and the other the Price Bid, both envelopes enclosed together in an outer single envelope.
- 11.2 The Technical Bid submitted by the Bidder shall comprise the following:
- (a) Technical Bid Submission Sheet;
 - (b) Bid Security or Bid-Securing Declaration, in accordance with ITB 21;
 - (c) alternative Technical Bid, if permissible, in accordance with ITB 13;
 - (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22;
 - (e) documentary evidence in accordance with ITB 16, establishing the Bidder's eligibility to bid;
 - (f) documentary evidence in accordance with ITB 17, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
 - (g) documentary evidence in accordance with ITB 18 and ITB 32, that the Goods and Related Services conform to the Bidding Document;
 - (h) documentary evidence in accordance with ITB 19, establishing the Bidder's qualifications to perform the contract if its Bid is accepted; and
 - (i) any other document required in the BDS.
- 11.3 The Price Bid submitted by the Bidder shall comprise the following:
- (a) Price Bid Submission Sheet and the applicable Price Schedules, in accordance with ITB 12, ITB 14, and ITB 15;
 - (b) alternative Price Bid corresponding to the alternative Technical Bid, if permissible, in accordance with ITB 13; and
 - (c) any other document required in the BDS.

- 12. Bid Submission Sheets and Price Schedules**
- 12.1 The Bidder shall submit the Technical Bid Submission Sheet and the Price Bid Submission Sheet using the form furnished in Section 4 (Bidding Forms). These forms must be completed without any alterations to their format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 12.2 The Bidder shall submit, as part of the Price Bid, the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section 4 (Bidding Forms) and as required in the BDS.
- 13. Alternative Bids**
- 13.1 Unless otherwise indicated in the BDS, alternative Bids shall not be considered.
- 14. Bid Prices and Discounts**
- 14.1 The prices and discounts quoted by the Bidder in the Price Bid Submission Sheet and in the Price Schedules shall conform to the requirements specified below.
- 14.2 All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is substantially responsive, the corresponding adjustment shall be applied in accordance with ITB 33.3.
- 14.3 The price to be quoted in the Price Bid Submission Sheet shall be the total price of the Bid excluding any discounts offered. Absence of the total bid price in the Price Bid Submission Sheet may result in the rejection of the Bid.
- 14.4 The Bidder shall quote discounts and the methodology for their application in the Price Bid Submission Sheet.
- 14.5 The terms EXW, CIF, CIP, and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce, at the date of the Invitation for Bids or as specified in the BDS.
- 14.6 Prices proposed in the Price Schedule Forms for Goods and Related Services, shall be disaggregated, when appropriate, as indicated in this sub-clause. This disaggregation shall be solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered
- (a) for Goods offered from within the Purchaser's country:
- (i) the price of the goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of goods quoted ex works or ex factory, or on the previously

- imported goods of foreign origin quoted ex warehouse, ex showroom, or off-the-shelf;
- (ii) sales tax and all other taxes applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder; and
- (iii) the total price for the item.
- (b) for Goods offered from outside the Purchaser's country:
 - (i) the price of the goods quoted CIF (named port of destination), or CIP (border point), or CIP (named place of destination), in the Purchaser's country, as specified in the BDS;
 - (ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the BDS; and
 - (iii) the total price for the item.
- (c) for Related Services whenever such are specified in the Schedule of Supply:
 - (i) the local currency cost component of each item comprising the Related Services; and
 - (ii) the foreign currency cost component of each item comprising the Related Services, inclusive of all customs duties, sales and other similar taxes applicable in the Purchaser's country, payable on the Related Services, if the Contract is awarded to the Bidder.

14.7 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in the BDS. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected, pursuant to ITB 32. If in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract in accordance with Clause 15.2 of the General Conditions of Contract in Section 7, a Bid submitted with a fixed price will also be treated as non-responsive and be rejected.

14.8 If so indicated in ITB 1.1, Bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the BDS, prices quoted shall correspond to 100% of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price discount for the award of more than one Contract shall specify in their Price Bids the price discount applicable to each package, or alternatively, to individual Contracts within the package. Price discounts shall be submitted in accordance with ITB 14.4, provided the Price Bids for all lots are submitted and opened at the same time.

15. Currencies of Bid

- 15.1 Bid prices shall be quoted in the following currencies:
- (a) Bidders may express their bid price in any fully convertible currency. If a Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly.

- (b) If some of the expenditures for the Related Services are to be incurred in the borrowing country, such expenditures should be expressed in the Bid and will be payable in the Purchaser's currency.
- 16. Documents Establishing the Eligibility of the Bidder**
- 16.1 To establish their eligibility in accordance with ITB 4, Bidders shall
- (a) complete the eligibility declarations in the Bid Submission Sheet, included in Section 4 (Bidding Forms); and
- (b) if the Bidder is an existing or intended Joint Venture in accordance with ITB 4.1, submit a copy of the Joint Venture Agreement, or a letter of intent to enter into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended Joint Venture, as appropriate.
- 17. Documents Establishing the Eligibility of Goods and Related Services**
- 17.1 To establish the eligibility of the Goods and Related Services, in accordance with ITB 5, Bidders shall complete the Country of Origin Declaration Form included in Section 4 (Bidding Forms).
- 18. Documents Establishing the Conformity of the Goods and Related Services to the Bidding Document**
- 18.1 To establish the conformity of the Goods and Related Services to the Bidding Document, the Bidder shall furnish as part of its Technical Bid documentary evidence that the Goods and Related Services conform to the requirements specified in Section 6 (Schedule of Supply).
- 18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to those requirements, and if applicable, a statement of deviations and exceptions to the provisions of Section 6 (Schedule of Supply).
- 18.3 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in Section 6 (Schedule of Supply), are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Section 6 (Schedule of Supply).
- 19. Documents Establishing the Qualifications of the Bidder**
- 19.1 To establish its qualifications to perform the Contract, the Bidder shall submit as part of its Technical Proposal the evidence indicated for each qualification criteria specified in Section 3 (Evaluation and Qualification Criteria).
- 19.2 If so required in the BDS, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's

Authorization using the form included in Section 4 (Bidding Forms) to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's country.

19.3 If so required in the BDS, a Bidder that does not conduct business within the Purchaser's country shall submit evidence that it will be represented by an agent in the country equipped and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

20. Period of Validity of Bids

20.1 Bids shall remain valid for the period specified in the BDS after the bid submission deadline date prescribed by the Purchaser. A Bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.

20.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 21, it shall also be extended 28 days beyond the deadline of the extended bid validity period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid.

21. Bid Security/ Bid-Securing Declaration

21.1 Unless otherwise specified in the BDS, the Bidder shall furnish as part of its Bid, in original form, either a Bid-Securing Declaration or a bid security as specified in the BDS. In the case of a bid security, the amount and currency shall be as specified in the BDS.

21.2 If a Bid-Securing Declaration is required pursuant to ITB 21.1, it shall use the form included in Section 4 (Bidding Forms). The Purchaser will declare a Bidder ineligible to be awarded a Contract for a specified period of time, as indicated in the BDS, if a Bid-Securing Declaration is executed.

21.3 If a bid security is specified pursuant to ITB 21.1, the bid security shall be, at the Bidder's option, in any of the following forms:

- (a) an unconditional bank guarantee,
- (b) an irrevocable letter of credit,
- (c) a cashier's or certified check, or
- (d) SWIFT message in the form of MT760.

all from a reputable source from an eligible country as described in Section 5 (Eligible Countries). In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section 4 (Bidding Forms), or another form acceptable to the Purchaser. The form must include the complete name of the Bidder. The bid security shall be valid for 28 days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 20.2.

- 21.4 Unless otherwise specified in the BDS, any bid not accompanied by a substantially compliant bid security or Bid-Securing Declaration, if one is required in accordance with ITB 21.1, shall be rejected by the Purchaser as nonresponsive.
- 21.5 If a bid security is specified pursuant to ITB 21.1, the bid security of unsuccessful Bidders shall be returned promptly upon the successful Bidder's furnishing of the performance security pursuant to ITB 47.
- 21.6 If a bid security is specified pursuant to ITB 21.1, the bid security of the successful Bidder shall be returned promptly once the successful Bidder has signed the Contract Agreement and furnished the required performance security.
- 21.7 The bid security may be forfeited or the Bid-Securing Declaration executed, if
- (a) notwithstanding ITB 26.3, a Bidder withdraws its bid during the period of bid validity as specified by the Bidder on the Technical Bid Submission Sheet, except as provided in ITB 20.2; or
 - (b) the successful Bidder fails to
 - (i) sign the Contract Agreement in accordance with ITB 46;
 - (ii) furnish a performance security in accordance with ITB 47; or
 - (iii) accept the arithmetical corrections of its bid in accordance with ITB 36.
- 21.8 If a bid security is required as per ITB 21.1, the bid security of a Joint Venture shall be in the name of the Joint Venture that submits the bid. If the Joint Venture has not been legally constituted at the time of bidding, the bid security shall be in the name of any or all of the Joint Venture partners. If a Bid-Securing Declaration is required as per ITB 21.1, the Bid-Securing Declaration of a Joint Venture shall be in the name of the Joint Venture that submits the Bid. If the Joint Venture has not been legally constituted at the time of bidding, the Bid-Securing Declaration shall be in the names of all future partners, as named in the letter of intent mentioned in ITB 4.1.
- 22. Format and Signing of Bid**
- 22.1 The Bidder shall prepare one original set of the Technical Bid and one original set of the Price Bid as described in ITB 11 and clearly mark each "ORIGINAL - TECHNICAL BID" and "ORIGINAL - PRICE BID". In addition, the Bidder shall submit copies of the Technical Bid and the Price Bid, in the number specified in the BDS and clearly mark them "COPY NO... - TECHNICAL BID" and "COPY NO.... - PRICE BID". In the event of any discrepancy between the original and the copies, the original shall prevail.
- 22.2 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. If a Bidder submits a deficient authorization, the Bid shall not be rejected in the first instance. The Purchaser shall request the Bidder to submit an

acceptable authorization within the number of days as specified in the BDS. Failure to provide an acceptable authorization within the period stated in the Purchaser's request shall cause the rejection of the Bid. If either the Bid Submission Sheet or the Bid-Securing Declaration (if applicable) is not signed, the Bid shall be rejected.

22.3 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the bid.

D. Submission and Opening of Bids

23. Sealing and Marking of Bids

23.1 Bidders may submit their bids by mail or by hand. When so specified in the BDS, Bidders shall have the option of submitting their bids electronically. Procedures for submission, sealing and marking are as follows:

- (a) Bidders submitting Bids by mail or by hand shall enclose the original of the Technical Bid, the original of the Price Bid, and each copy of the Technical Bid and each copy of the Price Bid, including alternative Bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL - TECHNICAL BID", "ORIGINAL - PRICE BID" and "COPY NO... - TECHNICAL BID" and "COPY NO... - PRICE BID", as appropriate. These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB 23.2 to ITB 23.6.
- (b) Bidders submitting Bids electronically shall follow the electronic bid submission procedures specified in the BDS.

23.2 The inner and outer envelopes shall

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB 24.1; and
- (c) bear the specific identification of this bidding process indicated in the BDS.

23.3 The outer envelopes and the inner envelopes containing the Technical Bids shall bear a warning not to open before the time and date for the opening of Technical Bids, in accordance with ITB 27.1.

23.4 The inner envelopes containing the Price Bids shall bear a warning not to open until advised by the Purchaser in accordance with ITB 27.2.

23.5 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the Bid.

- 23.6 Alternative Bids, if permissible in accordance with ITB 13, shall be prepared, sealed, marked, and delivered in accordance with the provisions of ITB 22 and ITB 23, with the inner envelopes marked in addition "ALTERNATIVE NO...." as appropriate
- 24. Deadline for Submission of Bids**
- 24.1 Bids must be received by the Purchaser at the address and no later than the date and time indicated in the BDS.
- 24.2 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 25. Late Bids**
- 25.1 The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 24. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
- 26. Withdrawal, Substitution, and Modification of Bids**
- 26.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 22.2 (except for withdrawal notices, which do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be
- (a) prepared and submitted in accordance with ITB 22 and ITB 23 (except for withdrawal notices, which do not require copies), and in addition, the respective inner and outer envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION;" and
- (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB 24.
- 26.2 Bids requested to be withdrawn in accordance with ITB 26.1 shall be returned unopened to the Bidders.
- 26.3 No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Technical Bid Submission Sheet or any extension thereof.
- 27. Bid Opening**
- 27.1 The Purchaser shall open the Technical Bids in public at the address, on the date, and time specified in the BDS in the presence of Bidder's designated representatives and anyone who choose to attend. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 23.1, shall be as specified in the BDS.
- 27.2 The Price Bids will remain unopened and will be held in custody of the Purchaser until the time of opening of the Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by

the Purchaser. If the Technical Bid and the Price Bid are submitted together in one envelope, the Purchaser may reject the Bid. Alternatively, the Price Bid may be immediately resealed for later evaluation.

- 27.3 First, envelopes marked "WITHDRAWAL" shall be opened, read out, and recorded, and the envelope containing the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out and recorded at bid opening.
- 27.4 Next, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Price Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Price Bid will remain unopened in accordance with ITB 27.2. No envelope shall be substituted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.
- 27.5 Next, outer envelopes marked "MODIFICATION" shall be opened. No Technical Bid and/or Price Bid shall be modified unless the corresponding modification notice contains a valid authorization to request the modification and is read out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Price Bids, both Original as well as Modification, will remain unopened in accordance with ITB 27.2.
- 27.6 All other envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded
- (a) the name of the Bidder;
 - (b) whether there is a modification or substitution;
 - (c) the presence of a bid security or a Bid-Securing Declaration, if required; and
 - (d) any other details as the Purchaser may consider appropriate.

Only Technical Bids and alternative Technical Bids read out and recorded at bid opening shall be considered for evaluation. Unless otherwise specified in the BDS, all pages of the Technical Bid Submission Sheet are to be initialed by at least three representatives of the Purchaser attending the bid opening. No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with ITB 25.1.

- 27.7 The Purchaser shall prepare a record of the opening of Technical Bids that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, modification, or alternative offer; and the presence or absence of a bid security or a Bid-Securing Declaration, if one was required. The Bidders' representatives who

are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

- 27.8 At the end of the evaluation of the Technical Bids, the Purchaser will invite bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by the Purchaser. Bidders shall be given reasonable notice of the opening of Price Bids.
- 27.9 The Purchaser will notify Bidders in writing who have been rejected on the grounds of being substantially nonresponsive to the requirements of the Bidding Document and return their Price Bids unopened.
- 27.10 The Purchaser shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, in the presence of Bidders' representatives who choose to attend at the address, on the date, and time specified by the Purchaser. The Bidder's representatives who are present shall be requested to sign a register evidencing their attendance.
- 27.11 All envelopes containing Price Bids shall be opened one at a time and the following read out and recorded
- (a) the name of the Bidder;
 - (b) whether there is a modification or substitution;
 - (c) the Bid Prices, including any discounts and alternative offers; and
 - (d) any other details as the Purchaser may consider appropriate.

Only Price Bids, discounts, and alternative offers read out and recorded during the opening of Price Bids shall be considered for evaluation. Unless otherwise specified in the BDS, all pages of the Price Bid Submission Sheet and Price Schedules are to be initialed by at least three representatives of the Purchaser attending bid the opening. No Bid shall be rejected at the opening of Price Bids.

- 27.12 The Purchaser shall prepare a record of the opening of Price Bids that shall include, as a minimum: the name of the Bidder, the Bid Price (per lot if applicable), any discounts, and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders who submitted bids on time, and posted online when electronic bidding is permitted.

E. Evaluation and Comparison of Bids

- 28. Confidentiality** 28.1 Information relating to the examination, evaluation, comparison, and qualification of Bids, and recommendation of contract award, shall not

be disclosed to Bidders or any other persons not officially concerned with such process until the publication of Contract award.

28.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and postqualification of the Bids or Contract award decisions may result in the rejection of its Bid.

28.3 Notwithstanding ITB 28.2, from the time of opening the Technical Bids to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.

29. Clarification of Bids

29.1 To assist in the examination, evaluation, comparison and post-qualification of the Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder with regard to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the Price Bids, in accordance with ITB 36.

29.2 If a Bidder does not provide clarifications on its Bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.

30. Deviations, Reservations, and Omissions

30.1 During the evaluation of Bids, the following definitions apply:

- (a) "Deviation" is a departure from the requirements specified in the Bidding Document;
- (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and
- (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document.

31. Examination of Technical Bids

31.1 The Purchaser shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB 11.4 have been provided, and to determine the completeness of each document submitted.

31.2 The Purchaser shall confirm that the following documents and information have been provided in the Technical Bid. If any of these documents or information is missing, the offer shall be rejected:

- (a) Technical Bid Submission Sheet in accordance with ITB 12.1;
- (b) written confirmation of authorization to commit the Bidder;
- (c) bid security or Bid-Securing Declaration, if applicable; and
- (d) Manufacturer's Authorization, if applicable.

- 32. Responsive-ness of Technical Bid**
- 32.1 The Purchaser's determination of a Technical Bid's responsiveness is to be based on the contents of the Technical Bid itself, as defined in ITB 11.
- 32.2 A substantially responsive Technical Bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,
- (a) If accepted, would
 - (i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in Section 6 (Schedule of Supply); or
 - (ii) limits in any substantial way, inconsistent with the Bidding Document, the Purchaser's rights or the Bidder's obligations under the Contract; or
 - (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Technical Bids.
- 32.3 The Purchaser shall examine the technical aspects of the Bid in particular, to confirm that all requirements of Section 6 (Schedule of Supply) have been met without any material deviation, reservation, or omission.
- 32.4 If a Technical Bid is not substantially responsive to the Bidding Document, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.
- 33. Nonmaterial Non-conformities**
- 33.1 Provided that a Technical Bid is substantially responsive, the Purchaser may waive nonconformities in the Bid that does not constitute a material deviation, reservation, or omission.
- 33.2 Provided that a Technical Bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the Price Bid of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 33.3 Provided that a Technical Bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities or omissions. To this effect, the Bid Price shall be adjusted during evaluation of Price Bids, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section 3 (Evaluation and Qualification Criteria).
- 34. Qualification of the Bidder**
- 34.1 The Purchaser shall determine to its satisfaction during the evaluation of Technical Bids whether Bidders meets the qualifying criteria specified in Section 3 (Evaluation and Qualification Criteria).

- 34.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 19. Unless permitted in the BDS, the determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, Subcontractors, or any other firm(s) different from the Bidder.
- 34.3 An affirmative determination shall be a prerequisite for the opening and evaluation of a Bidder's Price Bid. The Purchaser reserves the right to reject the bid of any bidder found to be in circumstances described in GCC 35.2. A negative determination shall result into the disqualification of the Bid.
- 35. Examination of Price Bids**
- 35.1 Following the opening of Price Bids, the Purchaser shall examine the Price Bids to confirm that all documents and financial documentation requested in ITB 11.3 have been provided, and to determine the completeness of each document submitted.
- 35.2 The Purchaser shall confirm that the following documents and information have been provided in the Price Bid. If any of these documents or information is missing, the offer shall be rejected:
- (a) Price Bid Submission Sheet in accordance with ITB 12.1; and
 - (b) Price Schedules, in accordance with ITB 12, ITB 14, and ITB 15.
- 36. Correction of Arithmetical Errors**
- 36.1 During the evaluation of Price Bids, the Purchaser shall correct arithmetical errors on the following basis:
- (a) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall 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.
 - (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.
- 36.2 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its bid security may be forfeited, or its Bid-Securing Declaration executed.
- 37. Conversion to Single Currency**
- 37.1 For evaluation and comparison of Price Bids, the Purchaser shall convert all bid prices expressed in the amounts in various currencies into a single currency, using the selling exchange rates established by the source and on the date specified in the BDS.

- 38. Domestic Preference** 38.1 Unless otherwise specified in the BDS, domestic preference shall not apply.
- 39. Evaluation and Comparison of Price Bids** 39.1 The Purchaser shall use the criteria and methodologies indicated in this clause. No other criteria or methodology shall be permitted.
- 39.2 To evaluate a Price Bid, the Purchaser shall consider the following:
- (a) the bid price as quoted in accordance with ITB 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB36.1;
 - (c) price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) adjustment for nonmaterial nonconformities in accordance with ITB 33.3;
 - (e) assessment whether the bid is abnormally low in accordance with ITB 41;
 - (f) price adjustment due to application of the evaluation criteria specified in Section 3 (Evaluation and Qualification Criteria). These criteria may include factors related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services which shall be expressed to the extent practicable in monetary terms to facilitate comparison of bids unless otherwise specified in Section 3; and
 - (g) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 37.
- 39.3 The Purchaser's evaluation of a bid will exclude and not take into account,
- (a) in the case of Goods offered from within the Purchaser's country, all sales tax and all other taxes, applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder;
 - (b) in the case of Goods offered from outside the Purchaser's country, all customs duties, sales tax, and other taxes, applicable in the Purchaser's country and payable on the Goods if the Contract is awarded to the Bidder; and
 - (c) any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid.
- 39.4 If the Bidding Document allows Bidders to quote separate prices for different lots (contracts), and the award to a single Bidder of multiple lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Price Bid Submission Sheet, is as specified in Section 3 (Evaluation and Qualification Criteria).
- 39.5 The Purchaser shall compare all substantially responsive Bids to determine the lowest evaluated bid, in accordance with ITB 39.

- 40. Abnormally Low Bids**
- 40.1 An abnormally low bid is one where the bid price, in combination with other elements of the bid, appears to be so low that it raises concerns as to the capability of the Bidder to perform the contract for the offered bid price.
- 40.2 When the offered bid price appears to be abnormally low, the Purchaser shall undertake a three-step review process as follows:
- (a) identify abnormally low costs and unit rates by comparing them with the engineer's estimates, other substantially responsive bids, or recently awarded similar contracts;
 - (b) clarify and analyze the bidder's resource inputs and pricing, including overheads, contingencies and profit margins; and
 - (c) decide whether to accept or reject the bid
- 40.3 With regard to ITB 40.2 (b) above, the Purchaser will seek a written explanation from the bidder of the reasons for the offered bid price, including a detailed analysis of costs and unit prices, by reference to the scope, proposed methodology, schedule, and allocation of risks and responsibilities. This may also include information regarding the economy of the manufacturing process; the services to be provided, or the construction method to be used; the technical solutions to be adopted; and any exceptionally favorable conditions available to the bidder for the goods or services proposed.
- 40.4 After examining the explanation given and the detailed price analyses presented by the bidder, the Purchaser may:
- (d) accept the bid, if the evidence provided satisfactorily accounts for the low bid price and costs, in which case the bid is not considered abnormally low;
 - (e) accept the bid, but require that the amount of the performance security be increased at the expense of the bidder to a level sufficient to protect the Purchaser against financial loss. The amount of the performance security shall generally be not more than 20% of the contract price; or
 - (f) reject the bid if the evidence provided does not satisfactorily account for the low bid price, and make a similar determination for the next lowest evaluated bid, if required
- 41. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids**
- 41.1 The Purchaser reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the Bidders. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.
- 42. Notice of Intention for Award of Contract**
- 42.1 If Standstill provisions apply as specified in the BDS, the standstill period shall be defined in the BDS to specify the duration subsequent to notification of intention for award of contract (before making the actual contract award) within which any unsuccessful bidder can challenge the proposed award.

F. Award of Contract

- 43. Award Criteria**
- 43.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid and is substantially responsive to the Bidding Document, provided further that the Bidder has remained qualified to perform the Contract satisfactorily.
- 43.2 A Bid shall be rejected if the qualification criteria as specified in Section 3 (Evaluation and Qualification Criteria) are no longer met by the Bidder whose offer has been determined to be the lowest evaluated Bid. In this event the Purchaser shall proceed to the next lowest evaluated Bid to make a similar reassessment of that Bidder's capabilities to perform satisfactorily.
- 44. Purchaser's Right to Vary Quantities at Time of Award**
- 44.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section 6 (Schedule of Supply), provided this does not exceed the percentages indicated in the BDS, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.
- 45. Notification of Award**
- 45.1 Prior to the expiration of the period of bid validity and upon expiry of the standstill period specified in ITB 40.1, or upon satisfactory resolution of a complaint filed within standstill period, if applicable, the Purchaser shall transmit the Notification of Award using the form included in Section 9 (Contract Forms) to the successful Bidder, in writing, that its Bid has been accepted.
- 45.2 Unless standstill period applies, upon notification of award unsuccessful Bidders may request in writing to the Purchaser for a debriefing seeking explanations on the grounds on which their Bids were not selected. The Purchaser shall promptly respond in writing and/or in a debriefing meeting to any unsuccessful Bidder who, after publication of contract award, requests a debriefing.
- 45.3 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 45.4 Within 2 weeks of the award of contract or expiry of the standstill period, where such period applies, or, if a complaint has been filed within the standstill period, upon receipt of ADB's confirmation of satisfactory resolution of the complaint, the borrower shall publish in an English language newspaper or well-known freely accessible website the results identifying the Bid and lot or package numbers as applicable and the following information:
- (a) name of each Bidder who submitted a Bid;
 - (b) bid prices as read out at bid opening;
 - (c) name and evaluated prices of each Bid that was evaluated;
 - (d) name of Bidders whose Bids were rejected and the reasons for their rejection; and
 - (e) name of the winning Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded.

-
- 46. Signing of Contract**
- 46.1 Promptly after notification, the Purchaser shall send to the successful Bidder the Agreement.
- 46.2 Within 28 days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.
- 47. Performance Security**
- 47.1 Within 28 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, subject to ITB 40.4, using for that purpose the Performance Security Form included in Section 9 (Contract Forms), or another form acceptable to the Purchaser. If the institution issuing the performance security is located outside the country of the Purchaser, it shall have a correspondent financial institution located in the country of the Purchaser to make it enforceable.
- 47.2 Failure of the successful Bidder to submit the abovementioned Performance Security or sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security or execution of the Bid-Securing Declaration. In that event, the Purchaser may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.
- 48. Bidding-Related Complaints**
- 48.1 The procedures for dealing with Bidding-Related Complaints arising out of this bidding process are specified in the BDS.

Section 2: Bid Data Sheet

A. General	
ITB 1.1	The number of the Invitation for Bids (IFB) is: MPSDP/GSP/05/2022-23
ITB 1.1	The Purchaser is: Directorate of Skill Development
ITB 1.1	The name of the National competitive bidding (NCB) is: Procurement of Electronics - Equipments for GSP (Package-15) The identification number of the NCB is: MPSDP/GSP/15 The number and identification of lots comprising this NCB is: Not Applicable
ITB 2.1	The Borrower is: The Government of India
ITB 2.1	The name of the Project is: Madhya Pradesh Skills Development Project. Loan No:3710 IND
B. Contents of Bidding Document	
ITB 7.1	<p>For <u>clarification purposes</u> only, the Purchaser's address is:</p> <p>The Project Director Madhya Pradesh Skills Development Project Directorate of Skill Development Global Skills Park – City Campus ITI Govindpura, City: Bhopal, District: Bhopal Madhya Pradesh ZIP code:462023 Country: India Telephone & Fax: 0755-2986606 E-mail address: proc.mpsdp@gmail.com</p> <p>Requests for clarification should be received by the Employer no later than: 14 days prior to the deadline for submission of bids i.e. on or before 18.10.2022, after that no request will be considered.</p> <p>A pre-bid meeting shall be held on 13.10.2022 at 11:30 HRS in the following location:</p> <p>Conference Hall 1st Floor, Directorate of Skill Development, Global Skills Park – City Campus</p> <p>ITI Govindpura, City: Bhopal, District: Bhopal, Madhya Pradesh ZIP code: 462023</p> <p>Notwithstanding the provisions of ITB 7.1, the purchaser shall upload the minutes of Pre-bid meeting/ Addendums on the freely accessible domain of web portal www.mpsdp.mp.gov.in. The minutes of Pre-bid meeting/ Addendums will also be distributed to all the bidders who purchased the bidding document through electronic mail.</p>
C. Preparation of Bids	

ITB 10.1	The language of the Bid is: English
ITB 11.2 (i)	<p>The Bidder shall submit with its Technical Bid, the following additional documents:</p> <ol style="list-style-type: none"> 1. The bidder or each member of Joint Venture/ Intended Joint Venture as the case may be, shall submit their PAN No. (Permanent Account Number) issued by the Department of Income Tax, Government of India with the photocopy of the PAN card; <p>Should the bidder or each/any member of Joint Venture/ Intended Joint Venture have not been issued with such PAN No., the same shall be submitted before signing the Contract;</p> <ol style="list-style-type: none"> 2. Goods and Service tax registration certificate. <p>If the bid or the Joint Venture Agreement/ Intent to enter into Joint Venture as the case may be, is signed by a person who is retired or relieved from the Government organization as a Gazetted or Non-Gazetted Officer within a period of two years preceding the deadline for the Bid submission, the bidder shall also submit a permission obtained from the organization last served by such person, allowing the person to do so.</p> <ol style="list-style-type: none"> 3. In case the bidder purchases the bidding document by downloading, a Bank demand draft of INR 5,000 in the name of the Project Director Madhya Pradesh Skills Development Project, Directorate of Skill Development, Bhopal towards the cost of purchasing the bidding document shall be submitted with the bid. In case a bid is not accompanied by the aforementioned Bank demand draft, the Purchaser shall request the Bidder to submit the Bank demand draft within 7 days of receiving such a request, otherwise the bid shall be rejected. 4. Documents to support the technical specifications - Information Brochures/catalog/literature and Photographs of Goods to be supplied
ITB 11.3 (c)	The Bidder shall submit with its Price Bid the following additional documents: Not Applicable
ITB 12.2	The units and rates in figures entered into the Price Schedules should be typewritten or if written by hand, must be in print form. Price Schedules not presented accordingly may be considered nonresponsive.
ITB 13.1	Alternative Bids <u>shall not be permitted</u>
ITB 14.5	The Incoterms edition is: 2020
ITB 14.6 (b) (i)	For Goods offered from outside the Purchaser's country, the Bidder shall quote prices using the following Incoterms: FOR CIP Madhya Pradesh, INDIA (As per Schedule 6).
ITB 14.6 (b) (ii)	In addition to the above, the Bidder shall quote prices for Goods offered from outside the Purchaser's country using the following Incoterms: FOR CIP Madhya Pradesh, INDIA (As per Schedule 6).
ITB 14.7	The prices quoted by the Bidder shall be: fixed during the Bidder's performance of the Contract.

ITB 14.8	Prices quoted for each package shall correspond at least to <u>100 %</u> of the items specified in section 6.
ITB 19.2	<p>The Bidder shall include with its bid the Manufacturer's Authorization for following items –</p> <ol style="list-style-type: none"> 1. Electronics Work Bench with integrated instrument shelf 2. Electronic Work Bench with suitable for Analog Electronics & applications with Integrated Instrument Panel. 3. Electronic Work Bench with suitable for Digital Electronics & applications with Integrated Instrument Panel 4. Work Bench Suitable for Computer Networking and Servicing 5. Work Bench Suitable for Mobile Test & Repair 6. Work Bench Suitable for Soldering & Repair works 7. Dual Trace Digital storage Oscilloscope , 100 MHz 8. IC Tester 9. Dual Tracking DC Power Supply 10. DC Power Supply 11. Speical Purpose DC Power Supply (SMPS Type) 12. PA System with MIC & mixer 13. Power Supply, AC 14. RCD Adaptor (13A, 10mA trip) 15. ESD tester (Wrist Strap & Footwear) 16. Uninterrupted power supply system with batteries 17. Rework Station (Hotair)
ITB 19.3	The Bidder <u>shall be</u> required to include with its bid, evidence that it will be represented by an Agent in the Purchaser's country.
ITB 20.1	The bid validity period shall be <u>120</u> days.
ITB 21.1	The Bidder shall furnish a Bid Security in the amount of INR 4,48,000
ITB 21.4	Subject to the succeeding sentences, any bid not accompanied by an irrevocable and callable bid security shall be rejected by the Purchaser as nonresponsive. If a Bidder submits a bid security that (i) deviates in form, amount, and/or period of validity, or (ii) does not provide sufficient identification of the Bidder (including, without limitation, failure to indicate the name of the Joint Venture or, where the Joint Venture has not yet been constituted, the names of all future Joint Venture Partners), the Purchaser shall request the Bidder to submit a compliant bid security within 15 days of receiving such a request. Failure to provide a compliant bid security within the prescribed period of receiving such a request shall cause the rejection of the Bid.
ITB 22.1	In addition to the original Bid, the number of copies is: One (Copy Bid)
ITB 22.2	<p>The written confirmation of Authorization to sign on behalf of the Bidder shall consist of:</p> <p>A Power of Attorney (in original or duly notarized) stating the name, position held and signature of each person giving the authority, and the name, position and signature of the person authorized to sign the bid or Joint Venture Agreement/ Intent to Joint Venture as the case may be; or</p>

	A Board resolution (original or duly notarized) in favour of the duly authorized representative of the bidder (or the member of the Joint Venture/ Intended Joint Venture) allowing him to sign the bid or Joint Venture Agreement/ Intent to Joint Venture as the case may be.
ITB 22.2	The Bidder shall submit an acceptable authorization within 15 days.
D. Submission and Opening of Bids	
ITB 23.1	Bidders <u>shall not</u> have the option of submitting their bids electronically.
ITB 23.1 (b)	If Bidders shall have the option of submitting their bids electronically, the electronic bidding submission procedures shall be: <u>Not Applicable</u>
ITB 23.2 (c)	The identification of this bidding process is: MPSDP/GSP/15
ITB 24.1	For <u>bid submission purposes</u> only, the Purchaser's address is: The Project Director Madhya Pradesh Skills Development Project Directorate of Skill Development 1 st Floor, Global Skills Park – City Campus ITI Campus Govindpura City: Bhopal, District: Bhopal Madhya Pradesh ZIP code: 462023 Country: India Telephone & Fax: 0755-2986606
ITB 24.1	The deadline for bid submission is: Date: 02.11.2022 Time: 11:30 hrs (IST)
ITB 27.1	The technical bid opening shall take place at: Office of the Project Director Madhya Pradesh Skills Development Project Directorate of Skill Development 1 st Floor, Global Skills Park – City Campus ITI Campus Govindpura City: Bhopal, District: Bhopal Madhya Pradesh ZIP code: 462023 Country: India Telephone & Fax: 0755-2986606 Date: 02.11.2022 Time: 12:00 hrs (IST)
ITB 27.1	Electronic bid opening procedure shall be as follows: <u>Not Applicable</u>
ITB 27.6	The Technical Bid Submission Sheet shall be initialed by <u>Three</u> representatives of the Purchaser attending Technical Bid opening.
ITB 27.11	The Price Bid Submission Sheet and Price Schedules shall be initialed by <u>Three</u> representatives of the Purchaser attending Price Bid opening.
E. Evaluation and Comparison of Bids	

ITB 37.1	The currency that shall be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is: Indian National Rupees (INR) The source of the selling exchange rate shall be: Not Applicable; Bidders are required to express their bid price in Indian National Rupees (INR) only. The date for the selling exchange rate shall be: Not Applicable
ITB 38.1	A margin of preference <u>shall not</u> apply.
F. Award of Contract	
ITB 44.1	The maximum percentage by which quantities may be increased is: 20% The maximum percentage by which quantities may be decreased is: 20%

Section 3: Evaluation and Qualification Criteria

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1. Technical Evaluation

1.1 Technical Criteria

The Goods and Related Services offered by the bidder shall comply with specifications described in Section 6 (Schedule of Supply). The bids shall be for complete scope of work. Any bid for part scope of work or related services shall be held non-responsive and shall be rejected.

However, a minor deficiency in technical compliance may not be cause for rejection of the Bid. The cost of making good any minor deficiency shall be added to the Bid Price concerned. The price adjustment on account of minor deficiency would be based on an estimate of the cost of missing item by the bid evaluation committee, taking into consideration the highest quoted prices from other conforming Bids.

2. Qualification Criteria

2.1 Eligibility

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	

2.1.1 Nationality

Nationality in accordance with ITB 4.2.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet; Forms ELI – 1 and ELI - 2
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2.1.2 Conflict of Interest

No conflicts of interest in accordance with ITB 4.3.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet
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2.1.3 ADB Eligibility

Not having been declared ineligible by ADB, as described in ITB 4.4.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet
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2.1.4 Government-Owned Enterprise

Bidder required to meet conditions of ITB 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet; Forms ELI – 1 and ELI - 2
--	-----------------------	-----------------------	-----------------------	----------------	---

2.1.5 United Nations Eligibility

Not having been excluded by an act of compliance with a United Nations Security Council resolution in accordance with ITB 4.8.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet
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2.2 Experience and Technical Capacity

2.2.1 Contractual Experience

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
<p>Successful completion as main supplier within the last five (5) years, of at least One (1) contract valued at INR 18 Million (INR 1.8 Crore) with nature, and complexity similar to the scope of supply described in Section 6 (Schedule of Supply). The bidder also needs to attach satisfactory Installation report for the same work order and locations of Installations. The committee members may visit the locations shared by Bidders to check the actual performance of Machinery and equipment at employer's cost</p> <p>Or</p> <p>Successful completion as main supplier within the last five (5) years, of at least Two (2) contract valued at INR 11 Million (INR 1.1 Crore) with nature, and complexity similar to the scope of supply described in Section 6 (Schedule of Supply). The bidder also needs to attach satisfactory Installation report for the same work order and locations of Installations. The committee members may visit the locations shared by Bidders to check the actual performance of Machinery and equipment at employer's cost</p> <p>Or</p> <p>Successful completion as main supplier within the last five (5) years, of at least Three (3)</p>	Must meet requirement	must meet requirement	Not Applicable	Not Applicable	Form EXP – 1

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
contract valued at INR 08 Million (INR 0.8 Crore) with nature, and complexity similar to the scope of supply described in Section 6 (Schedule of Supply). The bidder also needs to attach satisfactory Installation report for the same work order and locations of Installations. The committee members may visit the locations shared by Bidders to check the actual performance of Machinery and equipment at employer's cost					

2.3 Financial Situation

2.3.1 Historical Financial Performance

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Submission of audited financial statements or, if not required by the law of the Bidder's country, other financial statements acceptable to the Purchaser, for the last three (3) years (2019-20, 2020-21 and 2021-22) to demonstrate the current soundness of the Bidder's financial position. As a minimum, the Bidder's net worth for the last year calculated as the difference between total assets and total liabilities should be positive.	Must meet requirement	Not applicable	Must meet requirement	Not applicable	Form FIN – 1

2.3.2 Size of Operation (Average Annual Turnover)

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Minimum average annual turnover of INR 45 Million (INR 4.5 Crore) calculated as total payments received by the Bidder for contracts completed or under execution over the last three (3) years (2019-20, 2020-21 and 2021-22).	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN - 2

3. Economic Evaluation

3.1 Adjustment for Scope

3.1.1 Local Handling and Inland Transportation

Costs for inland transportation, insurance, and other incidental costs for delivery of the goods from the EXW premises, or port of entry, or border point to Project Site as defined in Section 6 (Schedule of Supply), shall be quoted in the Price Schedule for Related Services to Be Offered from Outside and Within the Purchaser's Country provided In Section 4 (Bidding Forms). These costs will be taken into account during bid evaluation. If a Bidder fails to include such costs in its Bid, then these costs will be estimated by the Purchaser on the basis of published tariffs by the rail or road transport agencies, insurance companies, or other appropriate sources, and added to EXW or CIF or CIP price.

3.1.2 Minor Omissions or Missing Items

Pursuant to ITB 32.3, the cost of all quantifiable nonmaterial nonconformities or omissions from the contractual and commercial conditions shall be evaluated. The Purchaser will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of Bids.

3.2 Adjustment for Deviations from the Terms of Payment

Deviations from the Terms of Payment as specified in Sub-Clause 16.1 of General Conditions of Contract (GCC) read with Special Conditions of Contract (SCC) are not permitted.

3.3 Adjustment for Deviations in the Delivery and Completion Schedule

Bid offering Delivery and Completion Schedule exceeding those specified in the Delivery and Completion Schedule in Section 6 shall be rejected.

3.4 Operation and Maintenance (O&M) Costs

Operation and Maintenance Cost shall not have any impact on the Bid Price.

3.5 Spare Parts

Bidder shall supply spare parts as specified in the Schedule of Supply in Section 6.

3.6 Multiple Lots (Contracts)

Not Applicable

3.8 Domestic Preference

Not Applicable

Section 4: Bidding Forms

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Technical Bid Submission Sheet

-- Note --

The Bidder must accomplish the Technical Bid Submission Sheet on its letterhead clearly showing the Bidder's complete name and address.

Date: _____
 National Competitive Bidding (NCB) No.: _____
 Invitation for Bid (IFB) No.: _____
 Alternative No.: _____

To: [insert complete name of the Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including the Addenda issued in accordance with Instructions to Bidders (ITB) Clause 8. _____
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in Section 6(Schedule of Supply), the following Goods and Related Services. _____
- (c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (d) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from eligible countries in accordance with ITB 4.2. _____.
- (e) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 4.3.
- (f) We are not participating, as a Bidder in more than one Bid in this bidding process in accordance with ITB 4.3(e), other than alternative offers in accordance with the Bidding Document.
- (g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the ADB, under the Purchaser's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council.
- (h) [We are not a government-owned enterprise] / [We are a government-owned enterprise but meet the requirements of ITB 4.5].¹

¹ Use one of the two options as appropriate.

- (i) We agree to permit ADB or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by ADB.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Country of Origin Declaration Form

Name of Bidder _____ IFB Number _____ Page ___ of ___

Item	Description	Country of Origin

Price Bid Submission Sheet

-- Note --

The Bidder must accomplish the Price Bid Submission Sheet on its letterhead clearly showing the Bidder's complete name and address.

Date: _____
 National Competitive Bidding (NCB) No.: _____
 Invitation for Bid (IFB) No.: _____
 Alternative No.: _____

To: *[insert complete name of the Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including the Addenda issued in accordance with Instructions to Bidders (ITB) 8.
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in Section 6 (Schedule of Supply), the following Goods and Related Services:
[insert a brief description of the goods and related services]
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is

[amount of foreign currency in words], [amount in figures], and [amount of local currency in words], [amount in figures]

The total bid price from the price schedules should be entered by the Bidder inside this box. Absence of the total bid price in the Price Bid Submission Sheet may result in the rejection of the bid.

- (d) The discounts offered and the methodology for their application are as follows:

Discounts: If our Bid is accepted, the following discounts shall apply: *[specify in detail each discount offered and the specific item of the Schedule of Supply to which it applies]*

Methodology of Application of the Discounts: The discounts shall be applied using the following method: *[specify in detail the method that shall be used to apply the discounts]*

- (e) Our bid shall be valid for a period of *[insert validity period as specified in ITB 20.1 of the BDS]* days from the date fixed for the submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (f) If our Bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Documents.

- (g) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:²

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____

- (h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- (i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.
- (j) We agree to permit ADB or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by ADB.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

² If none has been paid or is to be paid, indicate "None."

Price Schedule for Goods to Be Offered from Within the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ___ of ___

Item	Description	Country of Origin	Domestic Value Added in Percent	Quantity and Unit of Measurement	Unit Price EXW	Total EXW Price per item	Sales and Other Taxes Per Item	Total Price per Item including Taxes
1	2	3	4	5	6	7 = 5 x 6	8	9 = 7 + 8
Total Amount								

Notes:

- Column 4: In accordance with margin of preference ITB 38, if applicable.
Domestic Value Added comprises domestic labor, the domestic content of materials, domestic overheads and profits from the stage of mining the raw material until final assembly.
- Column 6: Incoterm in accordance with ITB 14
Currency in accordance with ITB 15
Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items.
- Column 8: Payable in the Purchaser's country if Contract is awarded

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Price Schedule for Goods to Be Offered from Outside the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ___ of ___

Item	Description	Country of Origin	Quantity and Unit of Measurement	Unit Price CIF (...) or CIP (...)	Unit Price FOB (...) or FCA (...)	Total Price CIF or CIP per Item	Total Price FOB or FCA per Item
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Total Amount							

Notes:

Columns 5 and 6: Incoterm in accordance with ITB 14
Currency in accordance with ITB 15

Column 6: Only to be used if the Purchaser wishes to reserve transportation and insurance to domestic companies or other designated sources. Identification of the lowest evaluated bid must be on the basis of the CIF or CIP price, but the Purchaser may sign the contract on FOB or FCA terms and make its own arrangement for transportation and/or insurance.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Price Schedule for Related Services to Be Offered from Outside and Within the Purchaser's Country

Name of Bidder _____ IFB Number _____ Page ___ of ___

Item No.	Description	Country of Origin	Quantity and Unit of Measurement	Unit Price		Total Price per Item	
				(a)	(b)	(a)	(b)
				Foreign Currency	Local Currency	Foreign Currency	Local Currency
1	2	3	4	5(a)	5(b)	6(a) = 4 x 5(a)	6(b) = 4 x 5(b)
Total Amount							

Notes:

Columns 5 and 6: Currencies in accordance with ITB 15

Prices are to be quoted inclusive of all customs duties, sales and other similar taxes applicable in the Purchaser's country and payable on the Related Services, if the Contract is awarded to the Bidder

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the Bid for and on behalf of _____

Date _____

Bid Security Bank Guarantee

*[insert bank's name, and address of issuing branch or office]*³

Beneficiary: *[insert name and address of the Purchaser]*

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

Bid Security No.: *[insert number]*

We have been informed that *[insert name of the bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated *[insert date (as day, month, and year)]* (hereinafter called "the Bid") for the execution of *[insert name of contract]* under Invitation for Bids No. *[insert IFB number]* ("the IFB").

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

At the request of the Bidder, we *[insert name of bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount in words]* *[insert amount in figures]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Technical Bid Submission Sheet and Price Bid Submission Sheet; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Agreement; or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract Agreement signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder, or (ii) 28 days after the expiration of the Bidder's bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.⁴

[Authorized signature(s) and bank's seal (where appropriate)]

³ All italicized text is for use in preparing this form and shall be deleted from the final document.

⁴ Or 758 as applicable.

Manufacturer's Authorization

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

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

To: *[insert complete name of the Purchaser]*

WHEREAS

We *[insert complete name of the 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 the bidder]* to submit a bid the purpose of which is to provide the following goods, manufactured by us *[insert name and/or brief description of the goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions, with respect to the goods offered by the above firm.

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

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

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of *[insert complete name of the manufacturer]*

Dated on _____ day of _____, _____ *[insert date of signing]*

-- Note --

All italicized text is for use in preparing this form and shall be deleted from the final document.

The bidder shall require the manufacturer to fill out this form in accordance with the instructions indicated. This letter of authorization should be signed by a person with the proper authority to sign documents that are binding on the manufacturer. The bidder shall include it in its bid, if so indicated in the Bid Data Sheet (BDS).

Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Section 3 (Evaluation and Qualification Criteria), the Bidder shall provide the following information requested in the corresponding Information Sheets.

Form ELI - 1: Bidder's Information Sheet

Bidder's Information	
Bidder's legal name	
In case of a Joint Venture, legal name of each partner	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (name, address, telephone number(s), fax number(s) and e-mail address)	
<p>Attached are copies of the following documents:</p> <p><input type="checkbox"/> 1. In case of a single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and ITB 4.2</p> <p><input type="checkbox"/> 2. Authorization to represent the firm or Joint Venture named above, in accordance with ITB 22.2</p> <p><input type="checkbox"/> 3. In case of a Joint Venture, a letter of intent to form a Joint Venture or Joint Venture agreement, in accordance with ITB 4.1</p> <p><input type="checkbox"/> 4. In case of a government-owned enterprise, any additional documents not covered under 1 above required to comply with ITB 4.5</p>	

Form ELI - 2: Joint Venture Information Sheet

Each member of the Joint Venture must fill out this form separately.

Joint Venture Information	
Bidder's legal name	
Joint Venture Partner's legal name	
Joint Venture Partner's country of constitution	
Joint Venture Partner's year of constitution	
Joint Venture Partner's legal address in country of constitution	
Joint Venture Partner's authorized representative information (name, address, telephone number(s), fax number(s) and e-mail address)	
<p>Attached are copies of the following documents:</p> <p><input type="checkbox"/> 1. Articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and ITB 4.2</p> <p><input type="checkbox"/> 2. Authorization to represent the firm named above, in accordance with ITB 22.2</p> <p><input type="checkbox"/> 3. In the case of a government-owned enterprise, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 4.5</p>	

Form EXP - 1: Contractual Experience

Fill out one (1) form per contract.

Contractual Experience					
Contract No of	Contract Identification				
Award Date	Completion Date				
Role in Contract	<input type="checkbox"/> Manufacturer <input type="checkbox"/> Supplier <input type="checkbox"/> Subcontractor				
Total Contract Amount	INR				
If partner in a joint venture or subcontractor, specify participation of total contract amount	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Percent of Total</th> <th style="width: 50%;">Amount</th> </tr> </thead> <tbody> <tr> <td style="height: 40px;"> </td> <td> </td> </tr> </tbody> </table>	Percent of Total	Amount		
Percent of Total	Amount				
Purchaser's name Address Telephone/Fax Number E-mail					
Description of the Similarity in Accordance with Criteria 2.2.1 (Contract Type A) or 2.3.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria)					

- Note -

This form shall only be included if either Criterion 2.2.1 (Contract Type A) or 2.3.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form FIN - 1: Historical Financial Performance

Each Bidder must fill out this form.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: _____

Financial Data for Previous ___ Years [INR]		
Year 1: 2019-20	Year 2: 2020-21	Year 3: 2021-22

Information from Balance Sheet

Total Assets (TA)			
Total Liabilities (TL)			
Net Worth = TA-TL			
Current Assets (CA)			
Current Liabilities (CL)			
Working Capital = CA - CL			

Most Recent Working Capital		To be obtained for most recent year and carried forward to FIN - 3 Line 1; in case of Joint Ventures, to the corresponding Joint Venture Partner's FIN - 3.
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Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last ___ years, as indicated above, complying with the following conditions:
- Unless otherwise required by Section 3 of the Bidding Documents, all such documents reflect the financial situation of the legal entity or entities comprising the Bidder and not the Bidder's parent companies, subsidiaries, or affiliates.
 - Historical financial statements must be audited by a certified accountant.
 - Historical financial statements must be complete, including all notes to the financial statements.
 - Historical financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

- Note -

This form shall only be included if Criterion 2.3.1 (Contract Type A) or 2.4.1 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Form FIN - 2: Size of Operation (Average Annual Turnover)

Each Bidder must fill out this form.

The information supplied should be the Annual Turnover of the Bidder or each member of a Joint Venture in terms of the amounts billed to clients for each year for work in progress or completed, converted to US dollars at the rate of exchange at the end of the period reported.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: _____

Annual Turnover Data for the Last . . . Years			
Year	Amount Currency	Exchange Rate	INR Equivalent
2019-20	INR		
2020-21	INR		
2021-22	INR		
Average Annual Turnover			

- Note -

This form shall only be included if Criterion 2.3.2 (Contract Type A) or 2.4.2 (Contract Type B) of Section 3 (Evaluation and Qualification Criteria) is applicable.

Section 5- Eligible Countries

This Section contains the list of eligible countries.

1. Afghanistan
2. Armenia
3. Australia
4. Austria
5. Azerbaijan
6. Bangladesh
7. Belgium
8. Bhutan
9. Brunei Darussalam
10. Cambodia
11. Canada
12. People's Republic of China
13. Cook Islands
14. Denmark
15. Fiji
16. Finland
17. France
18. Georgia
19. Germany
20. Hong Kong, China
21. India
22. Indonesia
23. Ireland
24. Italy
25. Japan
26. Kazakhstan
27. Kiribati
28. Republic of Korea
29. Kyrgyz Republic
30. Lao PDR
31. Luxembourg
32. Malaysia

33. Maldives
34. Marshall Islands
35. Federated States of micronesia
36. Mongolia
37. Myanmar
38. Nauru
39. Nepal
40. Netherlands
41. New Zealand
42. Niue
43. Norway
44. Pakistan
45. Palau
46. Papua New Guinea
47. Philippines
48. Portugal
49. Samoa
50. Singapore
51. Solomon Islands
52. Spain
53. Sri Lanka
54. Sweden
55. Switzerland
56. Taipei, China
57. Tajikistan
58. Thailand
59. Timor-Leste
60. Tonga
61. Turkey
62. Turkmenistan
63. Tuvalu
64. United Kingdom
65. United States
66. Uzbekistan
67. Vanuatu
68. Viet Nam

Section 6 – Schedule of supply

Contents

1. List of Goods and Related Services	6-2
2. Delivery and Completion Schedule	6-3
3. Technical Specifications	6-4
4. Drawings	6-7

1. List of Goods and Related Services

Package Name: Supply of Electronics - Equipments (Package 15) and installation and commissioning for Global Skills Park Main Campus.

Procurement Quantity of Tools, Equipments & Machineries		
Package – Electronics - Equipments		
Sr. No	Name of the Item	Quantity of Item
1	Electronics Work Bench with integrated instrument shelf	40
2	Electronic Work Bench with suitable for Analog Electronics & applications with Integrated Instrument Panel.	20
3	Electronic Work Bench with suitable for Digital Electronics & applications with Integrated Instrument Panel	20
4	Work Bench Suitable for Computer Networking and Servicing	20
5	Work Bench Suitable for Mobile Test & Repair	5
6	Work Bench Suitable for Soldering & Repair works	15
7	Dual Trace Digital storage Oscilloscope , 100 MHz	1
8	IC Tester	4
9	Dual Tracking DC Power Supply	25
10	DC Power Supply	42
11	Speical Purpose DC Power Supply (SMPS Type)	40
12	PA System with MIC & mixer	40
13	Power Supply, AC	20
14	RCD Adaptor (13A, 10mA trip)	40
15	ESD tester (Wrist Strap & Footwear)	1
16	Uninterrupted power supply system with batteries	2
17	Rework Station (Hotair)	2

2. Delivery and Completion Schedule

The delivery period shall start as of **date of Signing the Contract**

Item No.	Description of Goods or Related Services	Delivery Schedule (Duration)	Location	Required Arrival Date of Goods or Completion Date for Related Services
1 to 17	As per Schedule1–List of Goods and Related Services	Within 180 Days from the Signing of the contract.	The location of Delivery is mentioned in 2.1	Within 180 Days from the Signing of the contract.

2.1 Delivery Locations

Sr. No	Item Name	Global Skills Park Main Campus										Grand Total
		Electrical Technology (ELE) Trade		Electronics (ELX) Trade					Mechatronics (MTX) Trade		Mechanical and Engineering Services (MES) Trade	
		Special Installation & Equipment Maintenance Lab	Instrumentation & Control Systems Lab	Electronics Principles and Applications	Digital Principles and Applications	Communications and Networking	Mobile Device Servicing	Microcontroller Applications	Electronics Laboratory	CAD / Microcontroller / Computing Laboratory	Facility and System Maintenance Workshop	
1	Electronics Work Bench with integrated instrument shelf							20	20			40
2	Electronic Work Bench with suitable for Analog Electronics & applications with Integrated Instrument Panel.			20								20
3	Electronic Work Bench with suitable for Digital Electronics & applications				20							20

		Global Skills Park Main Campus											
Sr. No	Item Name	Electrical Technology (ELE) Trade		Electronics (ELX) Trade					Mechatronics (MTX) Trade		Mechanical and Engineering Services (MES) Trade	Grand Total	
		Special Installation & Equipment Maintenance Lab	Instrumentation & Control Systems Lab	Electronics Principles and Applications	Digital Principles and Applications	Communications and Networking	Mobile Device Servicing	Microcontroller Applications	Electronics Laboratory	CAD / Microcontroller / Computing Laboratory	Facility and System Maintenance Workshop		
	with Integrated Instrument Panel												
4	Work Bench Suitable for Computer Networking and Servicing					20							20
5	Work Bench Suitable for Mobile Test & Repair						5						5
6	Work Bench Suitable for Soldering & Repair works						15						15
7	Dual Trace Digital storage Oscilloscope , 100 MHz									1			1
8	IC Tester				2				2				4
9	Dual Tracking DC								20	5			25

		Global Skills Park Main Campus										
Sr. No	Item Name	Electrical Technology (ELE) Trade		Electronics (ELX) Trade					Mechatronics (MTX) Trade		Mechanical and Engineering Services (MES) Trade	Grand Total
		Special Installation & Equipment Maintenance Lab	Instrumentation & Control Systems Lab	Electronics Principles and Applications	Digital Principles and Applications	Communications and Networking	Mobile Device Servicing	Microcontroller Applications	Electronics Laboratory	CAD / Microcontroller / Computing Laboratory	Facility and System Maintenance Workshop	
	Power Supply											
10	DC Power Supply	40	2									42
11	Speical Purpose DC Power Supply (SMPS Type)	40										40
12	PA System with MIC & mixer										40	40
13	Power Supply, AC								20			20
14	RCD Adaptor (13A, 10mA trip)	40										40
15	ESD tester (Wrist Strap & Footwear)				1							1
16	Uninterrupted power supply system with batteries				2							2

Sr. No	Item Name	Global Skills Park Main Campus										Grand Total
		Electrical Technology (ELE) Trade		Electronics (ELX) Trade					Mechatronics (MTX) Trade		Mechanical and Engineering Services (MES) Trade	
		Special Installation & Equipment Maintenance Lab	Instrumentation & Control Systems Lab	Electronics Principles and Applications	Digital Principles and Applications	Communications and Networking	Mobile Device Servicing	Microcontroller Applications	Electronics Laboratory	CAD / Microcontroller / Computing Laboratory	Facility and System Maintenance Workshop	
17	Rework Station (Hotair)						2					2

3. Technical Specifications

Sr. No	Name of the Item	Technical Specifications of the Item	Spares, Documents, Warranty, Training, Installation
1	Electronic Work Bench with Integrated Instrument Panel	<p>Item Name: Electronic Work Bench with Integrated Instrument Panel</p> <p>An integrated workbench comprises with following:</p> <ul style="list-style-type: none"> 1 x Work Bench 1 x Instrument Shelf 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Digital Storage Oscilloscope 1 x Function Generator 	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p>

1 x DC Power Supply
 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord.
 1X Soldering Station
 1 x Soldering Station

Work Bench

The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm.

MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer.

The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes. There should be minimum 2 mm thick antistatic mat on the table top.

Instrument Shelf

The dimension of Instrument Shelf mounted on table top should be approx. L = 1200mm, D = 425mm, H = 500mm.

Must be suitable for placing Electronic test and measuring Equipment's.

Electrical Outputs

A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.

Safety Circuit Breaker

Two Pole MCB (16A), Mains Supply - 230V AC

Anti-static Mat Kit with a Wrist Strap and a Grounding Cord.

Full size Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord.

Digital Storage Oscilloscope

Analog Channels – 4 or more, Digital Channels - 16 or more

100 MHz Bandwidth, Rise Time 3.5ns,

Real time Samples rates 1 GSa/s, Memory > 20Mpt, 7 Inch Colour TFT/LCD display, Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div,

Vertical Scale: 1 mV/div to 10 V/div

Serial Triggering and Decode:RS232/UART, I2C, SPI, Math: differentiation, integration, AND, OR, NOT,

Documents:

Regulatory compliance Data Sheets,
 Warranty Certificate,
 User Manual,
 Software Licence Certificates,
 AMC certificate, Others,

Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.

Demonstration and necessary training to be carried out.

Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.

Connectivity: USB host & device, LAN.
 Component Tester: To work with DSO to test short circuit, open circuit, polarity testing of diode and transistors comparative test for trouble shooting of electronic circuits.
 Accessories: USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos

Function Generator with Built in Counter

Two Channel

Frequency range: 1Hz to 10MHz, Sample rate: 125MSa/s or Better

Basic Waveform: Sine (1 μ Hz -10MHz), Square (1 μ Hz -5MHz), Ramp (1 μ Hz-150KHz), Pulse (1 μ -5MHz), Noise, Harmonic Built-in Arbitrary Waveform: \geq 150 kinds, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine, Lorentz, Dual-Tone, etc.

Modulation: AM, FM, PM, ASK, FSK, PSK, PWM

Harmonic Generator: Built in 8th order, Even, Odd, Advance Waveform: RS232 sequence

Memory: 2Mpt, Vertical Resolution: 14 bits

Frequency Counter: \geq 200MHz

Interfaces: USB Host, USB Device

Display: 4.3 inch TFT LCD/Touch Screen or Better

DC Power Supply

Dual tracking +/-15V,1A, Voltage output: 0-30V,2A and 5V,5A

Setting resolution 10mv, 2mA, Ripple less than 1mV rms, Line/Load Regulation: +/- 0.05% +/-100mV, Display for

Voltage and Current: Suitable Digit Seven Segment Display, Protection: Over Voltage and Short Circuit, conform to relevant IS/ IEC regulations.

Soldering Station

Soldering:

Rating: 60 W, Input voltage:230V, 50 Hz, Ac mains

Temperature range: 180 to 270 deg C

De-soldering:

Power Consumption: 70 watts(Approx.),

		<p>Pump: diaphragm type Suitable holder for De-Soldering Pump Conform to relevant IS/ IEC regulations Type of Control: Digital Digital Temperature Readout for Set/Run Modes</p> <p>Soldering Smoke / Fume absorber Should be Ideal for use with Soldering Bench Top Work Station, Activated Carbon Filter, the filter shall be made of foam and activated carbon, ideal for absorbing toxins, Powerful fan to extract/absorb using extractor fan, Fan should have adjustable arm and flexible table clamp, absorbing angle, ESD safe, Low noise/quiet fan.</p> <p>Accessories: Mains chord, USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead 16 Channel Logic Probe, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos, Operating Manual</p>	
2	<p>Electronic Work Bench with suitable for Analog Electronics & applications with Integrated Instrument Panel.</p>	<p>Item Name: Electronic Work Bench with suitable for Analog Electronics & applications with Integrated Instrument Panel.</p> <p>An integrated workbench comprises with following:</p> <ul style="list-style-type: none"> 1 x Work Bench 1 x Instrument Shelf 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord. 1X Soldering Station with Smoke absorber 1 x Soldering Station 1 x Digital Storage Oscilloscope 1 x Function Generator with Built-in Counter 1 x DC Power Supply 1 x Soldering Smoke / Fume absorber 1 x Basic Analog Trainer 	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p>

Work Bench

The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm.

MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer.

The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes. There should be minimum 2 mm thick antistatic mat on the table top.

Instrument Shelf

The dimension of Instrument Panel mounted on table top should be approx. L = 1200mm, D = 425mm, H = 500mm.

Must be suitable for integrating essential Electronic test and measuring Equipment's listed.

Electrical Outputs

A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.

Safety Circuit Breaker

Two Pole MCB (16A), Mains Supply - 230V AC

Anti-static Mat Kit with a Wrist Strap and a Grounding Cord.

Full size Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord.

Digital Storage Oscilloscope

Analog Channels – 4 or more, Digital Channels - 16 or more

100 MHz Bandwidth, Rise Time 3.5ns,

Real time Samples rates 1 GSa/s, Memory > 20Mpt, 7 Inch Colour TFT/LCD display,

Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div,

Vertical Scale:1 mV/div to 10 V/div

Serial Triggering and Decode:RS232/UART, I2C, SPI, Math: differentiation, integration, AND, OR, NOT,

Connectivity: USB host & device, LAN.

Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.

Demonstration and necessary training to be carried out.

Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.

Component Tester: To work with DSO to test short circuit, open circuit, polarity testing of diode and transistors comparative test for trouble shooting of electronic circuits.

Accessories: USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos

Function Generator with Built in Counter

Two Channel

Frequency range: 1Hz to 10MHz, Sample rate: 125MSa/s or Better

Basic Waveform: Sine (1 μ Hz -10MHz), Square (1 μ Hz -5MHz), Ramp (1 μ Hz-150KHz), Pulse (1 μ -5MHz), Noise, Harmonic Built-in Arbitrary Waveform: \geq 150 kinds, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine, Lorentz, Dual-Tone, etc.

Modulation: AM, FM, PM, ASK, FSK, PSK, PWM

Harmonic Generator: Built in 8th order, Even, Odd, Advance Waveform: RS232 sequence

Memory: 2Mpt, Vertical Resolution: 14 bits

Frequency Counter: \geq 200MHz

Interfaces: USB Host, USB Device

Display: 4.3 inch TFT LCD/Touch Screen or Better

DC Power Supply

Dual tracking +/-15V,1A, Voltage output: 0-30V,2A and 5V,5A

Setting resolution 10mv, 2mA, Ripple less than 1mV rms, Line/Load Regulation: +/- 0.05% +/-100mV, Display

for Voltage and Current: Suitable Digit Seven Segment Display, Protection: Over Voltage and Short Circuit, Conform to relevant IS/ IEC regulations.

Soldering Station

Soldering:

Rating: 60 W, Input voltage:230V, 50 Hz, Ac mains, Temperature range: 180 to 270 deg C

De-soldering:

Power Consumption: 70 watts(Approx.), Pump: diaphragm type

		<p>Suitable holder for De-Soldering Pump, conform to relevant IS/ IEC regulations, Type of Control: Digital Digital Temperature Readout for Set/Run Modes</p> <p>Soldering Smoke / Fume absorber Should be Ideal for use with Soldering Bench Top Work Station, Activated Carbon Filter, the filter shall be made of foam and activated carbon, ideal for absorbing toxins, Powerful fan to extract/absorb using extractor fan, Fan should have adjustable arm and flexible table clamp, absorbing angle, ESD safe, Low noise/quiet fan.</p> <p>Basic Analog Principles Training kit: The Kit should have the following (or more) built-in components: DC Power Supply: 5V, 200mA, AC Power Supply: 6V, 1A, Relay: 5V Galvanometer: 30 - 0 – 30, Potentiometers: 25W, 1W, 10kW, 1W Switch: 1 Pole, 2 Way Toggle Type Core Types: E, I, U Coils with different turns, Set of Resistors, Capacitors, Diodes of different ratings and types.</p> <p>Accessories: Mains chord, USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead 16 Channel Logic Probe, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos, Operating Manual</p>	
3	<p>Electronic Work Bench with suitable for Digital Electronics & applications with Integrated Instrument Panel</p>	<p>Item Name: Digital Electronic Work Bench with Integrated Instrument Panel An integrated workbench comprises with following:</p> <ul style="list-style-type: none"> 1 x Work Bench 1 x Instrument Shelf 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord. 1X Soldering Station with Smoke absorber 1 x Soldering Station 1 x Digital Storage Oscilloscope 1 x Function Generator with Built-in Counter 1 x DC Power Supply 	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate,</p>

1 x Soldering Smoke / Fume absorber
1 x Basic Digital Gates Trainer

Work Bench

The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm.

MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer.

The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes. There should be minimum 2 mm thick antistatic mat on the table top.

Instrument Shelf

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Must be suitable for integrating essential Electronic test and measuring Equipment's listed.

Electrical Outputs

A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.

Safety Circuit Breaker

Two Pole MCB (16A), Mains Supply - 230V AC

Anti-static Mat Kit with a Wrist Strap and a Grounding Cord.

Full size Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord.

Digital Storage Oscilloscope

Analog Channels – 4 or more, Digital Channels - 16 or more

100 MHz Bandwidth, Rise Time 3.5ns,

Real time Samples rates 1 GSa/s, Memory > 20Mpt, 7 Inch Colour TFT/LCD display, Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div

,Vertical Scale:1 mV/div to 10 V/div

Serial Triggering and Decode:RS232/UART, I2C, SPI, Math: differentiation, integration, AND, OR, NOT,

User Manual,
Software Licence Certificates,
AMC certificate, Others,

Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.

Demonstration and necessary training to be carried out.

Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.

Connectivity: USB host & device, LAN.
 Component Tester: To work with DSO to test short circuit, open circuit, polarity testing of diode and transistors comparative test for trouble shooting of electronic circuits.
 Accessories: USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos

Function Generator with Built in Counter

Two Channel

Frequency range: 1Hz to 10MHz, Sample rate: 125MSa/s or Better

Basic Waveform: Sine (1 μ Hz -10MHz), Square (1 μ Hz -5MHz), Ramp (1 μ Hz-150KHz), Pulse (1 μ -5MHz), Noise, Harmonic Built-in Arbitrary Waveform: \geq 150 kinds, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine, Lorentz, Dual-Tone, etc.

Modulation: AM, FM, PM, ASK, FSK, PSK, PWM

Harmonic Generator: Built in 8th order, Even, Odd, Advance Waveform: RS232 sequence

Memory: 2Mpt, Vertical Resolution: 14 bits

Frequency Counter: \geq 200MHz

Interfaces: USB Host, USB Device

Display: 4.3 inch TFT LCD/Touch Screen or Better

DC Power Supply

Dual tracking +/-15V,1A, Voltage output: 0-30V,2A and 5V,5A

Setting resolution 10mv, 2mA, Ripple less than 1mV rms, Line/Load Regulation: +/- 0.05% +/-100mV, Display for

Voltage and Current : Suitable Digit Seven Segment Display, Protection: Over Voltage and Short Circuit, Conform to relevant IS/ IEC regulations.

Soldering Station

Soldering:

Rating: 60 W, Input voltage:230V, 50 Hz, Ac mains, Temperature range: 180 to 270 deg C

De-soldering:

Power Consumption: 70 watts(Aprox), Pump: diaphragm type

		<p>Suitable holder for De-Soldering Pump, conform to relevant IS/ IEC regulations, Type of Control: Digital Digital Temperature Readout for Set/Run Modes</p> <p>Soldering Smoke / Fume absorber Should be Ideal for use with Soldering Bench Top Work Station, Activated Carbon Filter, the filter shall be made of foam and activated carbon, ideal for absorbing toxins, Powerful fan to extract/absorb using extractor fan, Fan should have adjustable arm and flexible table clamp, absorbing angle, ESD safe, Low noise/quiet fan</p> <p>Basic Digital Logic GATE training Platform: Should have facility for testing the truth table of basic digital logic gates, Simple sequential/combinational logic circuits</p> <p>Accessories: Mains chord, USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead 16 Channel Logic Probe, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos, Operating Manual</p>	
4	<p>Work Bench Suitable for Computer Networking and Servicing</p>	<p>Item Name: Work Bench Suitable for Computer Networking and Servicing</p> <p>An integrated workbench comprises with following:</p> <p>1 x Work Bench 1 x Instrument Shelf 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord. 1X Soldering Station with Smoke absorber 1 x Soldering Station 1 x Digital Storage Oscilloscope 1 x Function Generator with Built-in Counter 1 x DC Power Supply 1 x Soldering Smoke / Fume absorber 2 x Computer Hardware Training System</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p>

1 x LAN Training System with Wireless LAN
 1 x Wifi Router with LAN Ports
 1 x IP Camera
 2 x USB Bluetooth adapter
 2 x USB to ZigBee adapter
 1 x Wifi Client adopter
 2 x USB to RS232 Cable
 1 x RS232 Null adapter DB9
 1 x Network Cable Tester
 1 x BNC Connector Crimping Tool
 1 x Virtual Learning

Work Bench

The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm.
 MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer.
 The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes.
 There should be minimum 2 mm thick antistatic mat on the table top.

Instrument Shelf

The dimension of Instrument Panel mounted on table top should be approx. L = 1200mm, D = 425mm, H = 500mm.
 Must be suitable for integrating essential Electronic test and measuring Equipment's listed.

Electrical Outputs

A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.

Safety Circuit Breaker

Two Pole MCB (16A), Mains Supply - 230V AC

Anti-static Mat Kit with a Wrist Strap and a Grounding Cord.

Full size Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord.

Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.

Demonstration and necessary training to be carried out.

Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.

Digital Storage Oscilloscope

Analog Channels – 4 or more, Digital Channels - 16 or more
 100 MHz Bandwidth, Rise Time 3.5ns,
 Real time Samples rates 1 GSa/s, Memory > 20Mpt, 7 Inch Colour TFT/LCD display,
 Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div,
 Vertical Scale:1 mV/div to 10 V/div
 Serial Triggering and Decode:RS232/UART, I2C, SPI, Math: differentiation,
 integration, AND, OR, NOT,
 Connectivity: USB host & device, LAN.
 Component Tester: To work with DSO to test short circuit, open circuit, polarity
 testing of diode and transistors comparative test for trouble shooting of electronic
 circuits.
 Accessories: USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No,
 Component Test Lead,
 Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos

Function Generator with Built in Counter

Two Channel
 Frequency range: 1Hz to 10MHz, Sample rate: 125MSa/s or Better
 Basic Waveform: Sine (1µHz -10MHz), Square (1µHz -5MHz), Ramp (1µHz-
 150KHz), Pulse (1µ -5MHz), Noise, Harmonic Built-in Arbitrary Waveform: ≥ 150
 kinds, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine,
 Lorentz, Dual-Tone, etc.
 Modulation: AM, FM, PM, ASK, FSK, PSK, PWM
 Harmonic Generator: Built in 8th order, Even, Odd, Advance Waveform: RS232
 sequence
 Memory: 2Mpt, Vertical Resolution: 14 bits
 Frequency Counter: ≥ 200MHz
 Interfaces: USB Host, USB Device
 Display: 4.3 inch TFT LCD/Touch Screen or Better

DC Power Supply

Dual tracking +/-15V,1A, Voltage output: 0-30V,2A and 5V,5A
 Setting resolution 10mv, 2mA, Ripple less than 1mV rms , Line/Load Regulation: +/-
 0.05% +/-100mV,

Display for Voltage and Current : Suitable Digit Seven Segment Display, Protection: Over Voltage and Short Circuit, Conform to relevant IS/ IEC regulations.

Soldering Station

Soldering:

Rating: 60 W, Input voltage:230V, 50 Hz, Ac mains, Temperature range: 180 to 270 deg C

De-soldering:

Power Consumption: 70 watts(Approx.), Pump: diaphragm type

Suitable holder for De-Soldering Pump, conform to relevant IS/ IEC regulations,

Type of Control: Digital

Digital Temperature Readout for Set/Run Modes

Soldering Smoke / Fume absorber

Should be Ideal for use with Soldering Bench Top Work Station, Activated Carbon Filter, the filter shall be made of foam and activated carbon, ideal for absorbing toxins, Powerful fan to extract/absorb using extractor fan, Fan should have adjustable arm and flexible table clamp, absorbing angle, ESD safe, Low noise/quiet fan

Computer Hardware Training System:

The hardware should be suitable for training on basic computer components identifications and servicing. Should have facility for simulating faults.

CPU with fan: Core i3 Processor with Window7/8 OS or Better

Mother Board: with Intel Chipset or better

Memory (RAM): Minimum 2 GB DDR 3 RAM,

Display Adaptor card: built in Mother Board,

Hard Disk: Above 160 GB (SATA) or better.

Monitor: 15" TFT Colour SVGA or better

Key Board: Multimedia key board, Mouse: Scroll Mouse (Optical),

SMPS: minimum 450 Watts,

DVD R/W Drive (SATA),

Sound Cord: built in Mother Board,

Speakers & Mike: Stereo Speakers,

Video Camera: Web CAM

LAN Training System with Wireless LAN

The hardware should be suitable for training on Computer Networking with different topologies, using different protocols.

PC to PC using RJ-45 Connector, Star topology using RJ45 Connector, Ring topology using DB9 Connector, Data transmission speed: 10/100 Mbps, 4 Nodes supports Protocols: CSMA /CD, CSMA /CA, Stop N Wait, Go back to N, Selective repeat, Sliding Window, Token Bus, Token Ring.

Wifi Router with LAN Ports

Compliant to IEEE 802.11g/n/ac,

Data Rate:- Up to 1300Mbps (5GHz), Up to 450Mbps (2.4GHz)

Ports:- 10/100/1000Mbps

LAN: 4 Ports , - 10/100/1000Mbps WAN: 1 Port

DHCP Features: Server/Client , DHCP Client List, Address Reservation

Wireless Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/ WPA2-PSK

IP Camera

Mounting Type: Surface mounting

Resolution: at least 640X480 (30 frames/sec) min

Camera Type: Indoor, Day Camera or better, 0.3 Megapixel (640 x 480), Viewing angle: FOV = 64°

Connection Type: RJ45 or better

Sensor: Progressive scan CMOS sensor or better

Special feature: Motion Sensor

USB Bluetooth adapter

Type: USB Adapter

Standards: At least Bluetooth 4.0 Compliant or better

Transfer Rate: Up to 3Mbps

Range: >10m

Antenna: Integrated

USB to Zigbee adapter

Standards: IEEE 802.15.4 2003 Compliant

Transfer Rate: Up to 2Mbit/s (min)

Range: Up to 40m

Radio Frequency: 2.4GHZ in 16 Channels

Antenna: Integrated

Wifi Client adopter

Wireless LAN Standard: IEEE 802.11n or better

Bands: Dual Bands

Wi Fi Speed:400 Mbps on 2.4GHz band or better, 867 Mbps on 5GHz band or better

OS supported: Windows 10, 8.1, 8, 7, XP (32 and 64 bits), Mac OS X 10.9 - 10.13

Supported Protocols: IEEE 802.11ac, IEEE 802.11a, IEEE 802.11n, IEEE 802.11g, IEEE 802.11b

Antenna: Built-in, Omni Directional

Connector: Standard USB Connector

Encryption:64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK

Network Cable Tester

Key features:

Testing of twisted pair cables for open circuits, shorts, crossed pairs, reversed pairs and split pairs

Main unit and remote unit allow One Person Testing.

Tone generator for tracing installed cables hidden in walls, floors and ceilings

Cable types:

UTP/STP Cables

Auto Identification (Straight Thro'/Cross Over Cable)

Ethernet 10Base-T(TP/STP), AT & T258A, EIA/TIA 568A/B, 8-Position Token Ring, and USOC4/6/8 modular cable.

Fault Identification:

Open Circuits, Shorts, miswires, reversals

Wireless type:

802.11b, 802.11a, 802.11g

Power:

Battery Operated (Included)

USB to RS232 Cable**RS232 Null adapter DB9****BNC Connector Crimping Tool****Virtual Learning package:**

This Workbench should have virtual learning module which at its minimum;

Enable students to study Different Network Topologies, Study Different Protocols, Different Packet sizes, Inter Packet delays, Error generation.

		<p>Should be capable of Real Time Graphic representation of data on s/w screen with packet details, Network details like, Indication of computer name, IP address, MAC address, Port number, status of network.</p> <p>Should be capable of Network & protocol analysis like Indication of packet serial number, file name, file size, file number, receiver name, receiver IP address, total packets, packet length, time out, protocol, topology, receiver, MAC address, port number, file send start time, file sent completion time, transmission time data rate(Mbps), percentage error.</p> <p>Accessories (minimum): Mains chord, USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No, Component Test Lead 16 Channel Logic Probe, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos. UTP Jack panel, Crimping Tools, Switch Network cables – UTP Network Cables – coaxial, flat, ribbon Connectors for cables, RJ-45 connector. User Manuals.</p>	
5	<p>Work Bench Suitable for Mobile Test & Repair</p>	<p>Work Bench Suitable for Mobile Test & Repair</p> <p>An integrated workbench comprises with following:</p> <ul style="list-style-type: none"> 1 x Work Bench 1 x Instrument Panel 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord. 1X Digital Storage Oscilloscope 1 x DC Power Supply 1 x Digital Multimeter 1 x Bench top LCR Meter 1 x Mobile Phone Test Board 1 x BGA Rework Station 1 x LCD Separator 1 x Test Point Microscope with USB Camera 1 x Soldering Magnifier Assistant Lamp 1 x Soldering Stations with smoke absorber 1 x Bluetooth Headset 1 x Mobile Phone Repair Tool Kit 	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned</p>

1 x Virtual Trainer

Work Bench

The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm.

MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer.

The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes. There should be minimum 2 mm thick antistatic mat on the table top.

Instrument Shelf

The dimension of Instrument Shelf mounted on table top should be approx. L = 1200mm, D = 425mm, H = 500mm.

Must be suitable for placing Electronic test and measuring Equipment's.

Electrical Outputs

A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.

Safety Circuit Breaker

Two Pole MCB (16A), Mains Supply - 230V AC

Digital Storage Oscilloscope

Analog Channels – 4 or more, Digital Channels - 16 or more

100 MHz Bandwidth, Rise Time 3.5ns,

Real time Samples rates 1 GSa/s, Memory > 20Mpt, 7 Inch Colour TFT/LCD display,

Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div,

Vertical Scale: 1 mV/div to 10 V/div

Serial Triggering and Decode: RS232/UART, I2C, SPI, Math: differentiation, integration, AND, OR, NOT,

Connectivity: USB host & device, LAN.

Component Tester: To work with DSO to test short circuit, open circuit, polarity testing of diode and transistors comparative test for trouble shooting of electronic circuits.

at his own cost at Bhopal, Madhya Pradesh.

Demonstration and necessary training to be carried out.

Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.

Accessories: USB Cable -01No, BNC-BNC -01Nos, BNC – Test Probe - 01 No,
Component Test Lead,
Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos

DC Power Supply

Dual tracking +/-15V,1A, Voltage output: 0-30V,2A and 5V,5A
Setting resolution 10mv, 2mA, Ripple less than 1mV rms , Line/Load Regulation: +/-
0.05% +/-100mV,
Display for Voltage and Current: Suitable Digit Seven Segment Display, Protection:
Over Voltage and Short Circuit, Conform to relevant IS/ IEC regulations.

Digital Multimeter (indicated are minimum required specifications)

3¾ Digit, 4000 Counts DMM with LCD display,
Basic Accuracy: 0.3 % or better
Mode: DC/AC Voltage, DC/AC Current, Resistance, Diode,
Range: DCV 0.1mV-1000V, ACV 0.1mV - 750Vrms, DCA & ACA 0.1 micro A - 20A,
Resistance 0.1 Ohms to 40M Ohms
Auto Power Shut Off, Battery operated(included)

Bench top LCR Meter (indicated are minimum required specifications)

Test Parameter: L - Q, C - D, R - Q, Z - Q, Z - D,
Test Signal Frequency 100Hz,120Hz,1kHz,
LCD Display,

Mobile Phone Test Board (indicated are minimum required specifications)

Should have the following minimum key features:
Test points and switchable fault
Test SIM, -RF adaptor, antenna coupler, shielded box (GSM/WCDMA Band) and RF
cable.
Support 4G Volte (Cat 4), 3G (UMTS/HSPA+), 2G (GSM/EDGE) Networks
5" Touch screen full HD display
Minimum Output power: +5...+33dBm/3.2mW...2W, Android Nougat 7.0 operating
system,
GPU: Adreno 505 at 450 MHz,
Minimum Memory features:16 GB Internal storages ,3 GB RAM, expandable up to
128 GB

OTG compatible, 13 Megapixel Primary cameras with LED flash ,5 Megapixel secondary camera with display flash

BGA Rework Station (indicated are minimum required specifications)

Should have the following minimum key features:

Three axles (X, Y, and Z) to do fine tuning and quick orientation

Equipped with touch panel interface and PLC controlling

Hot air nozzle capable to be rotated in 360 degree with IR heater,

Temperature Controlling K-type,

Operating Power Supply 230V, 50 Hz, AC
Mains

LCD Separator

Test Point Microscope with USB Camera

Comprising of:

1 x 41MP Microscope Camera

1 x 180X C-mount lens

1 x 56 LED light

1 x Power supply

1 x USB line

1 x HDMI line

1 x Software DISC

1 x Remote Control

1 x Big Boom Stand

1 x 8-inch screen

Image sensor:41megapixel CMOS sensor 1/2.33 inch

Effective pixel: 41 megapixel

Pixel size:1.335 μ m \times 1.335 μ m

Frame rate:60fps

Definition: FULL HD

Zoom: Digital Zoom

Interface:

HDMI interface- Standard HDMI output (Type A)

USB interface -Standard usb2.0 interface (Type B)

Lens:

180X C-MOUNT Lens

Zoom c-mount Lens

0.5X C-mount adapter

Zoom ratios: 6.5:1

Monitor: 8" led monitor 12 volt with HDMI input / bnc/vga/av for security, 4:3 ratio TFT LED.
 Native resolution: 1024x768, max to 1600x1200
 Objective Magnification Power: 0.7 - 4.5X (about 10 - 180X on the display)
 Ports: VGA in for PC/pos
 AV for GPS/security
 BNC for CCTV camera
 Working distance: 95mm

Soldering Magnifier Assistant Lamp

Bench Type Magnifying Glass with illuminated white lighting
 Type: Illuminated Magnifier, Table Top
 Magnification: 10x or better.
 Lens Material: Glass
 Illumination: LED, Minimum 40 piece
 Operating Voltage: 230V, 50Hz, AC Mains
 Stand & Base Material: Stable, non-topple, Non corrosive, Steel

Soldering Stations with smoke absorber: Same as given with earlier Work Bench

Bluetooth Headset: Same as given with earlier Work Bench

Mobile Phone Repair Tool Kit

1 x Ultrathin steel spudger
 1 x Metal i6 rubber spudger
 1 x Blue plastic spudgers
 3 x Nylon fiber spudgers
 3 x Triangle paddle
 2 x ESD-safe tweezer
 1 x 0.8 pentalobe screwdriver
 1 x 1.2 pentalobe screwdriver
 1 x 1.2 phillips screwdriver
 1 x 2.0 flathead screwdriver
 1 x capacitive screen separating tool
 1 x Screen film squeegee
 1 x PVC suction cup
 1 x SIM card tray opener
 1 x Cleaning cloth
 1 x Torque screwdriver

		<p>Virtual Learning package: This Workbench should have virtual learning module which at its minimum; Mobile and Wireless Communication, GSM Network: History, GSM Family, Network, Subsystem entities, Logical Channel, multiplexing scheme, GSM Management, Call Management, Call setup, call release, Handover, GSM Security. CDMA: Multiple Access Techniques, CDMA Transmitter, Working, Spread Spectrum, DSSS, Frequency Hoping, Pseudo Random Code, Power Control, Handoff Process, Rake Receiver, Capacity of CDMA,</p> <p>Accessories: Complete set of accessories required for full functioning of the Training Kit.</p>	
6	<p>Work Bench Suitable for Soldering & Repair works</p>	<p>Item Name: Work Bench suitable for Soldering & Repair Works An integrated workbench comprises with following:</p> <ul style="list-style-type: none"> 1 x Work Bench 1 x Instrument Panel 5 x Electrical Outputs 1 x Safety Circuit Breaker 1 x Anti-Static Mat Kit with a Wrist Strap and a Grounding Cord. 1 x Soldering Stations 1 x Smoke absorber <p>Work Bench The dimensions of Workbench from ground level to table top should be not less than approx. - L = 1800 mm; D = 900 mm; H = 800 mm. MS drawers 03 numbers W = 275 mm; D = 375 mm; H = 100 mm and thickness 1.2mm with handle & lock on drawer. The basic structure should be made of 38 x 38 x 1.5 mm CRC epoxy coated pipes. There should be minimum 2 mm thick antistatic mat on the table top.</p> <p>Instrument Shelf The dimension of Instrument Shelf mounted on table top should be approx. L = 1200mm, D = 425mm, H = 500mm.</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p>

		<p>Must be suitable for placing Electronic test and measuring Equipment's.</p> <p>Electrical Outputs A MS Panel strip below the shelf for housing Five 230V, 50Hz, Ac Main Electrical Sockets and Switches for use of Electronic equipment's.</p> <p>Safety Circuit Breaker Two Pole MCB (16A), Mains Supply - 230V AC</p> <p>Soldering Station Soldering: Rating: 60 W, Input voltage:230V, 50 Hz, Ac mains, Temperature range: 180 to 270 deg C De-soldering: Power Consumption: 70 watts(Approx.), Pump: diaphragm type Suitable holder for De-Soldering Pump, conform to relevant IS/ IEC regulations, Type of Control: Digital Digital Temperature Readout for Set/Run Modes</p> <p>Soldering Smoke / Fume absorber Should be Ideal for use with Soldering Bench Top Work Station, Activated Carbon Filter, the filter shall be made of foam and activated carbon, ideal for absorbing toxins, Powerful fan to extract/absorb using extractor fan, Fan should have adjustable arm and flexible table clamp, absorbing angle, ESD safe, Low noise/quiet fan</p> <p>Anti-static Mat Kit with a Wrist Strap and a Grounding Cord (Specifications as given in earlier work bench)</p> <p>Accessories: All standard accessories associated with the equipment's on the work bench.</p>	<p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
7	Dual Trace Digital storage Oscilloscope, 100 MHz	Dual Trace Digital storage Oscilloscope, 100 MHz Dual Trace Digital Storage Oscilloscope	The item should be supplied with all essential spares required to reduce downtime of the item.

		<p>Analog Channels – 4 or more Digital Channels - 16 or more Bandwidth: Min 100 MHz Real time Samples rates 1 GSa/s or better Memory > 20Mpt Display: Colour TFT/LCD display Waveform and setup memories through USB, Time base 5 ns/div to 50 s/div, Serial Triggering and Decode:RS232/UART, I2C, SPI, Math: differentiation, integration, AND, OR, NOT, Connectivity: USB host & device, LAN Conform to relevant IS/ IEC regulations. Input operating Voltage: 230V, 50 Hz, AC Mains (INDIA) Component Tester: DSO to test short circuit, open circuit, polarity testing of diode and transistors comparative test for trouble shooting of electronic circuits</p> <p>Accessories: Component Test Lead, 16 Channel Logic Probe, Switchable Probe X1 (30MHz) & X10 (150MHz) Probe – 04 Nos , Operating Manual</p>	<p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
8	IC Tester	<p>Item Name: IC Tester</p> <p>Key Features: Microprocessor based IC tester. Ideal for DIGITAL IC RANGE: 74 series of TTL ICs, 40 and 45 series of CMOS ICs, Microprocessors (8085,8086,8088, Z80,6502) Peripheral ICs</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty.</p>

		<p>(8255,8253,8251,8259,8155,8279, Z80 PIO) EPROMs (blank check only), RAM ICs 6116,6264,62256 etc.</p> <p>Ideal for testing ANALOG IC RANGE: Operational Amplifiers, Comparators, Transistor Arrays, Opto-couplers, Analog Switches, Multiplexers, Voltage followers, timers, cross point switches, ADC, DAC etc.,</p> <p>Test Socket ZIF: Minimum 2 x 40 pin DIP ZIFs for Analog and digital ICs.</p> <p>DISPLAY: Digital, LCD/LED Display.</p> <p>Input Keypad: Minimum 24 key feather Touch Key pad with numerical & functional keys or Better</p> <p>Test Facility: Auto search facility of IC's. Test by Truth table/sequence table comparison or better. Operating Voltage: 230V ± 10% at 50 Hz Accessories: All standard accessories required for full feature use of the Tester.</p>	<p>3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
9	<p>Dual Tracking DC Power Supply</p>	<p>Item Name: DC Power Supply – Dual Tracking</p> <p>Type: Dual tracking +/-15V,1A Voltage output: 0-30V, 2A and 5V, 5A Setting resolution:10mv, 2mA Ripple: less than 1mV rms Line/Load Regulation: +/- 0.05% +/-100mV Controls: Fine Control for Voltages and Currents. Display:LED Display for Voltages and Currents. Sockets: High Quality output sockets for Voltages with Gnd. Protection: Over Voltage and Short Circuit.</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents:</p>

		<p>Regulation: Conform to relevant IS/ IEC regulations. Operating Voltage: 230V, 50 Hz, AC Mains (INDIA) Accessories: Power Cord \geq 1 mt, Dust cover for the equipment, Other standard accessories.</p>	<p>Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
10	DC Power Supply	<p>Item Name: DC Power Supply Output voltage: 0 - 30 V DC Output current: 0 - 5 A Voltage stabilisation: \leq0,02% + 2mV Current stabilisation: \leq0,02% + 2mA Ripple: less than 1mV rms Display: LED Display for Voltages and Currents. Sockets: High Quality output sockets for Voltages with Gnd. Protection: Over Voltage and Short Circuit. Regulation: Conform to relevant IS/ IEC regulations. Operating Voltage: 230V, 50 Hz, AC Mains (INDIA) Accessories: Power Cord \geq 1 mt, Dust cover for the equipment, Other standard accessories.</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates,</p>

			<p>AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
11	<p>Special Purpose DC Power Supply (SMPS Type)</p>	<p>Item Name: Special Purpose DC Power Supply (SMPS type)</p> <p>Input Voltage: 230V, 50 Hz, AC Mains (India)</p> <p>Output Voltage: 12V DC, 40A</p> <p>Output voltage Control: Adjustment Range: $\pm 10\%$</p> <p>Outputs: Three sets of output channels, total 480W.</p> <p>Cooling Fan: Built – in</p> <p>Protection: Built in automatic over-voltage protection, over-current protection, over-temperature protection, short circuit protection.</p> <p>Certification: CE, CCC, FCC</p> <p>Shell Material: Metal Case / Aluminium Base or Better</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with:</p> <p>One year on site comprehensive warranty.</p> <p>3 Years on-site service AMC after expiry of warranty.</p> <p>Documents:</p> <p>Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier</p>

			<p>and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
12	<p>PA System with MIC & mixer</p>	<p>Item Name: PA System with MIC & mixer</p> <p>Key Features:</p> <ul style="list-style-type: none"> ▪ Portable PA system ▪ Ideal for small-sized venues and rooms (audiences of 75–100) ▪ Dual 2-way speakers with woofers and HF drivers ▪ Bluetooth connectivity to wirelessly stream Audio ▪ Stereo channel for connecting external devices (MP3 players, keyboards, etc.) ▪ Presets digital effects with Sound level control <p>Output Power: $\geq 300W @ 4\Omega$ (150W per channel) Peak Frequency Response: 20Hz–20kHz or Better Speakers: 2 x 6" woofer, 2 x 1" HF driver or Better Input Channels: (2 monos, 1 stereo, Bluetooth) or Better Inputs: XLR, stereo, USB Wireless or Better Input Channel EQ (High/Low): 10kHz/100Hz shelving $\pm 15dB$ or Better Effects: 16 present Outputs: 1/4" Sub Out, 2 x 1/4" Speaker or better Bluetooth: Bluetooth 3.0, A2DP or better Grilles: Perforated steel Cables: Power cord, Speaker Cables 2 x 10' 1/4" Speaker stand mounts: Yes, required Microphones: 2 Nos. (1 x wired, 1 x wireless) Stand for Mic: Full size, 2 Nos.</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p>

		<p>Operating Voltage: 230V, 50 Hz, AC Mains(India) Accessories: All standard accessories for full feature function of the equipment.</p>	<p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
13	Power Supply, AC	<p>Item Name: Power Supply AC Variable Output: 0 to 230V to 200VA Continuously Variable. Fixed AC step-down voltage with 1A with Overload reset button: 12V-0V-12V, 6V-0V-6V Protection: Fuse at AC input Display: Voltage and Current Power source: 230V, 50Hz, AC Mains Accessories: Power Cord and all accessories required for full feature operation.</p>	
14	RCD Adaptor (13A, 10mA trip)	<p>Item Name: RCD Adaptor (13A, 10mA trip) Application: Shock-safe Plug & Adaptor to protect users from unforeseen electric shocks. Should be equipped with a safety shutter socket along with an auto trip feature. This feature should shut off the connected appliance if any current leakage is detected. Current rating: 16 A Voltage rating: 240 V ac Tripping time: 40 milliseconds or better Tripping current: 30 mA Switching: Double pole switching Regulation: Complies with BS7071:1992 Indicator (minimum): Power Indicator Push switches (min): Test and Reset</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p>

			<p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
15	<p>ESD tester (Wrist Strap & Footwear)</p>	<p>Name of the Item: ESD tester (Wrist Strap & Footwear) Should be ideal for use in electrostatic protected area (EPA). It should offer a quick, simple way to determine whether wrist straps and footwear are safe for use. ESD Tester shall comprise of the following minimum items:</p> <ol style="list-style-type: none"> 1. High Speed, High Accuracy Wrist Strap / Footwear Tester 2. 1x Wall Plate 3. 1 x Foot Plate, Single Foot 4. 1 x 9V Alkaline Battery 5. Interconnecting Cables 6. Certificate of Calibration. <p>The tester should have LED display based Electrometer to measure relative parameters of electrostatic charge & detection of polarity of charges. Accuracy: $\pm 5\%$ Plates should have feature of Maximum surface (Wall Plate min 300mm L x 600mm W x 3mm H and Foot Minimum Plate 420mm L x 220mm W) Plates should have feature of Minimum surface resistivity Compatible with both single-wire and dual-wire wrist straps Compatibility with ESD glove test fixture Verifies the functionality of an operator's wrist strap and footwear Accessories: All accessories required for the full functioning of the equipment.</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned</p>

			<p>at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
16	<p>Uninterrupted power supply system with batteries</p>	<p>Name of the Item: Uninterrupted power supply system with batteries</p> <p>Key Features: Should be based on IGBT elements, high-frequency PWM rectification and inversion and microprocessor control technology to provided almost perfect sine of output voltage with very low output distortion. Should have high precision voltage and frequency stabilization, working frequency isolation for input and output and EMI resistance to make sure a safe and reliable operation. Should have electronic bypass, the manual repair bypass and multi-output-switch to simplify the maintenance and repair. Should have protection that ensures a secure and accountable application. Phase: Three Phase in Single Phase Output Type: On-line Power rating (kVA): 5 KVA Input AC voltage: 440V, 50Hz, 3 Phase AC Mains (India) Input DC voltage: (170~280V)/(85~140V); Output AC voltage: 230V±2%; Switch time: Switch time between AC and DC supply 0ms Switch time between inverter and bypass: ≤4ms; Power factor: 0.8(lag); Full-load efficiency: > 85% Over-load ability: 120% full-load 10min ;150% full load10s Protection: Overvoltage, Over current, Circuit Break Application: Electrical Power Plants and Substations</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p>

		<p>Output: Sine Wave Output UPS Batteries: Lithium-ion or Lead Acid Battery - Included Accessories: All accessories required for the full functioning of the equipment.</p>	<p>Demonstration and necessary training to be carried out.</p> <p>Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.</p>
17	<p>Rework Station (Hotair)</p>	<p>Name of the Item: Rework Station (Hot air) Micro Controller based Display: 7 segment display with SET and READ mode or better ESD : Should be ESD SAFE Body type : Full metalized Powdered coated. Air Flow: 120L/min or better Soldering: Power consumption: 60 W or better Input voltage: 230 V, 50 Hz, AC Mains Temperature range: 180 to 480 °C Temperature Stability: ±2-degree C De-soldering: Power Consumption: 70 watts or better Input: 230 V, 50 Hz, AC Mains Pump: diaphragm type For SMD Rework Power consumption: 270 W or better Air pump: diaphragm pump Hot air temperature: 200 to 550°C Power Supply 230V ,50Hz</p> <p>Accessories: 1. Mains Cord 01No. 2. One Pick Up Tool 01No. 3. Single Hole 4.5mm, 5.0mm 01 Each 4. One Square Nozzle</p>	<p>The item should be supplied with all essential spares required to reduce downtime of the item.</p> <p>The Item should be supplied with: One year on site comprehensive warranty. 3 Years on-site service AMC after expiry of warranty.</p> <p>Documents: Regulatory compliance Data Sheets, Warranty Certificate, User Manual, Software Licence Certificates, AMC certificate, Others,</p> <p>Installation / Commissioning of the item is the sole responsibility of the supplier and has to be installed / commissioned at his own cost at Bhopal, Madhya Pradesh.</p> <p>Demonstration and necessary training to be carried out.</p>

			Note – 1: Verification of fulfilment of the specifications will be cross checked from the OEM registered website and/or obtaining documentary evidence from the OEM.
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4.

Drawings

Not Applicable

Section 7 - General Conditions of Contract

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- 1. Definitions**
- 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) "Contract" means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendixes, and all documents incorporated by reference therein.
 - (b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
 - (c) "Contract Price" means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
 - (d) "Day" means calendar day.
 - (e) "Delivery" means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
 - (f) "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
 - (g) "Eligible Countries" means the countries and territories eligible as listed in Section 5.
 - (h) "GCC" means the General Conditions of Contract.
 - (i) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
 - (j) "Purchaser's Country" is the country specified in the Special Conditions of Contract (SCC).
 - (k) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC.
 - (l) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the Supplier under the Contract.
 - (m) "SCC" means the Special Conditions of Contract.
 - (n) "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
 - (o) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the

Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.

- (p) "ADB" is the Asian Development Bank.
- (q) "The Site," where applicable, means the place named in the SCC.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Fraud and Corruption

3.1 ADB's Anticorruption Policy requires Borrowers (including beneficiaries of ADB-financed activity), as well as Bidders, Suppliers, and Contractors under ADB-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, ADB

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (iii) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
 - (v) "obstructive practice" means (a) deliberately destroying, falsifying, altering, or concealing of evidence material to an ADB investigation; (b) making false statements to investigators in order to materially impede an ADB investigation; (c) failing to comply with requests to provide information, documents or records in connection with an Office of Anticorruption and Integrity (OAI) investigation; (d) threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (e) materially impeding ADB's contractual rights of audit or access to information; and
 - (vi) "integrity violation" is any act which violates ADB's Anticorruption Policy, including (i) to (v) above and the following: abuse, conflict of interest, violations of ADB sanctions, retaliation against whistleblowers or witnesses, and other violations of ADB's Anticorruption Policy,

including failure to adhere to the highest ethical standard.

- (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;
- (c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the borrower or of a beneficiary of ADB-financing engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the procurement or the execution of that contract, without the borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation; and
- (d) will impose remedial actions on a firm or an individual, at any time, in accordance with ADB's Anticorruption Policy and Integrity Principles and Guidelines (both as amended from time to time), including declaring ineligible, either indefinitely or for a stated period of time, to participate¹ in ADB-financed, administered, or supported activities or to benefit from an ADB-financed, administered, or supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations.

- 3.2 The Supplier shall permit ADB to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by ADB, if so required by ADB.

4. Interpretation

- 4.1 If the context so requires it, singular means plural and vice versa.

4.2 Incoterms

- (a) The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
- (b) EXW, CIF, CIP, and other similar terms, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids or as specified in the SCC.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser 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.

¹ Whether as a Contractor, Subcontractor, Consultant, Manufacturer or Supplier, or Service Provider; or in any other capacity (different names are used depending on the particular Bidding Document).

4.4 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 authorized representative of each party thereto.

4.5 Nonwaiver

(a) Subject to GCC Subclause 4.5(b) below, 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 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 authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 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.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. 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 the language specified in the SCC, 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.

6. Joint Venture

6.1 If the Supplier is a Joint Venture all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the Joint Venture. The composition or the constitution of the Joint Venture shall not be altered without the prior consent of the Purchaser.

7. Eligibility

7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted or incorporated, and operates in conformity with the provisions of the laws of that country.

- 7.2 All Goods and Related Services to be supplied under the Contract and financed by ADB shall have their origin in Eligible Countries. For the purpose of this clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its imported components.
- 8. Notices**
- 8.1 Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt.
- 8.2 A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.
- 9. Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser’s country, unless otherwise specified in the SCC.
- 10. Settlement of Disputes**
- 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If the parties fail to resolve such a dispute or difference by mutual consultation within 28 days from the commencement of such consultation, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the SCC.
- 11. Scope of Supply**
- 11.1 Subject to the SCC, the Goods and Related Services to be supplied shall be as specified in Section 6 (Schedule of Supply).
- 11.2 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.
- 12. Delivery**
- 12.1 Subject to GCC Subclause 33.1, 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 Supply). The details of shipping and other documents to be furnished by the Supplier are specified in the SCC.
- 13. Supplier’s Responsibilities**
- 13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.
- 14. Purchaser’s Responsibilities**
- 14.1 Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.

- 14.2 The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with GCC Subclause 14.1.
- 15. Contract Price**
- 15.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions therefrom, as may be made pursuant to the Contract.
- 15.2 Prices charged by the Supplier for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the SCC.
- 16. Terms of Payment**
- 16.1 The Contract Price shall be paid as specified in the SCC.
- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 12 and upon fulfillment of all the obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, no later than 60 days after submission of an invoice or request for payment by the Supplier, and the Purchaser has accepted it.
- 16.4 The currency or currencies in which payments shall be made to the Supplier under this Contract shall be specified in the SCC.
- 17. Taxes and Duties**
- 17.1 For goods supplied from outside the Purchaser's country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country.
- 17.2 For goods supplied from within the Purchaser's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
- 18. Performance Security**
- 18.1 The Supplier shall, within 28 days of the notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the SCC.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 The Performance Security shall be denominated in the currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the SCC, or in another form acceptable to the Purchaser.

- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than 28 days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC.
- 19. Copyright**
- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser 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.
- 20. Confidential Information**
- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the Contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.
- 20.3 The obligation of a party under GCC Subclauses 20.1 and 20.2 above, however, shall not apply to information that
- (a) the Purchaser or Supplier need to share with ADB or other institutions participating in the financing of the Contract;
 - (b) now or hereafter enters the public domain through no fault of that party;
 - (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.
- 21. Subcontracting**
- 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.
- 22. Specifications and Standards**
- 22.1 Technical Specifications and Drawings
- (a) The Supplier shall ensure that the Goods and Related Services comply with the technical specifications and other provisions of the Contract.
- (b) 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 Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) The Goods and Related Services supplied under this Contract shall conform to the standards mentioned in Section 6 (Schedule of Supply) and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.
- 22.2 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 Section 6 (Schedule of Supply). During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.
- 23. Packing and Documents**
- 23.1 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. During transit, 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 remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.
- 23.2 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, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Purchaser.

- 24. Insurance** 24.1 Unless otherwise specified in the SCC, the Goods supplied under the Contract shall be fully insured, in a freely convertible currency from an eligible country, against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the SCC.
- 25. Transportation** 25.1 Unless otherwise specified in the SCC, obligations for transportation of the Goods shall be in accordance with the Incoterms specified in Sections 6 (Schedule of Supply).
- 26. Inspections and Tests**
- 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in Sections 6 (Schedule of Supply).
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the final destination of the Goods, or in another place in the Purchaser's country as specified in the SCC. Subject to GCC Subclause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Subclause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 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 Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser 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 impedes 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 Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser 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 Purchaser, and shall repeat

the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Subclause 26.4.

26.8 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 Purchaser or its representative, nor the issue of any report pursuant to GCC Subclause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GCC Subclause 22.1, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

28.3 Unless otherwise specified in the SCC, the warranty shall remain valid for 12 months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for 18 months after the date of shipment or loading in the country of origin, whichever period concludes earlier.

28.4 The Purchaser shall give Notice to the Supplier, stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

28.5 Upon receipt of such Notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

29. Patent Indemnity

- 29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Subclause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
 - (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

- 29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Subclause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- 29.3 If the Supplier fails to notify the Purchaser within 28 days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.
- 29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

- 30. Limitation of Liability**
- 30.1 Except in cases of gross negligence or willful misconduct,
- (a) neither party shall be liable to the other party 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 Purchaser; and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the SCC, 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 Purchaser with respect to patent infringement.
- 31. Change in Laws and Regulations**
- 31.1 Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (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 price adjustment provisions where applicable, in accordance with GCC Clause 15.
- 32. Force Majeure**
- 32.1 The Supplier shall not be liable for forfeiture of its Performance 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.
- 32.2 For purposes of this clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 33. Change Orders and Contract Amendments**
- 33.1 The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) the method of shipment or packing;
 - (c) the place of delivery; and
 - (d) the Related Services to be provided by the Supplier.
- 33.2 If any such change 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, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within 28 days from the date of the Supplier's receipt of the Purchaser's change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 34. Extensions of Time**
- 34.1 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 pursuant to GCC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, 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 27, unless an extension of time is agreed upon, pursuant to GCC Subclause 34.1.
- 35. Termination**
- 35.1 Termination for Default
- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier, may terminate the Contract in whole or in part,
 - (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 Purchaser pursuant to GCC Clause 34; or
 - (ii) if the Supplier fails to perform any other obligation under the Contract.

- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser 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 Purchaser 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.
- (c) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.

35.2 Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

35.3 Termination for Convenience

- (a) The Purchaser, by Notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within 28 days after the Supplier's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

36. Assignment

- 36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

Section 8- Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 1.1(j)	The Purchaser's country is: India
GCC 1.1(k)	The Purchaser is: Directorate of Skill Development (DOSD).
GCC 1.1 (q)	<p>The Site(s) in Madhya Pradesh are:–</p> <p>Global Skills Park Main Campus, Ward No. 67, Zone 15, Hazrat Nizamuddin Colony, Indrapuri, Huzur, Bhopal, Madhya Pradesh, 462022</p> <p>Details are mentioned in Delivery and Completion Schedule of Section 6 (Schedule of Supply)</p>
GCC 3.1 (d)	<p>3.1. ADB's Anticorruption Policy (1998, as amended to date) requires Borrowers (including beneficiaries of ADB-financed activity), as well as Bidders, Suppliers, and Contractors under ADB-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, ADB</p> <p>(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>(i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;</p> <p>(ii) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;</p> <p>(iii) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;</p> <p>(iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;</p> <p>(v) "abuse" means theft, waste, or improper use of assets related to ADB-related activity, either committed intentionally or through reckless disregard;</p> <p>(vi) "conflict of interest" means any situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations;</p>

	<p>(vii) "obstructive practice" means (a) deliberately destroying, falsifying, altering, or concealing of evidence material to an ADB investigation, or deliberately making false statements to investigators, with the intent to impede an ADB investigation; (b) threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to a Bank investigation or from pursuing the investigation; or (c) deliberate acts intended to impede the exercise of ADB's contractual rights of audit or inspection or access to information; and</p> <p>(viii) "integrity violation" is any act, as defined under ADB's Integrity Principles and Guidelines (2015, as amended from time to time), which violates ADB's Anticorruption Policy, including (i) to (vii) above and the following: violations of ADB sanctions, retaliation against whistleblowers or witnesses, and other violations of ADB's Anticorruption Policy, including failure to adhere to the highest ethical standard.</p> <p>(b) will reject a proposal for award if it determines that the Bidder recommended or award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the Contract;</p> <p>(c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the borrower or of a beneficiary of ADB-financing engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations during the procurement or the execution of that contract, without the borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation; and</p> <p>(d) will impose remedial actions on a firm or an individual, at any time, in accordance with ADB's Anticorruption Policy and Integrity Principles and Guidelines, including declaring ineligible, either indefinitely or for a stated period of time, to participate in ADB-financed, administered, or -supported activities or to benefit from an ADB-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations.</p> <p>3.2 All Bidders, consultants, contractors, suppliers and other third parties engaged or involved in ADB-related activities have a duty to cooperate fully in any screening or investigation when requested by ADB to do so. Such cooperation includes, but is not limited to, the following:</p> <p>(a) being available to be interviewed and replying fully and truthfully to all questions asked;</p> <p>(b) providing ADB with any items requested that are within the party's control including, but not limited to, documents and other physical objects;</p> <p>(c) upon written request by ADB, authorizing other related entities to release directly to ADB such information that is specifically and materially related, directly or indirectly, to the said entities or issues which are the subject of the investigation;</p> <p>(d) cooperating with all reasonable requests to search or physically inspect their person and/or work areas, including files, electronic databases, and personal property used on ADB activities, or that utilizes ADB's Information and Communications Technology (ICT) resources or systems (including mobile phones, personal electronic devices, and electronic storage devices such as external disk drives);</p> <p>(e) cooperating in any testing requested by ADB, including but not limited to, fingerprint identification, handwriting analysis, and physical examination and analysis; and</p> <p>(f) preserving and protecting confidentiality of all information discussed with, and as required by, ADB.</p>
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	<p>3.3 All Bidders, consultants, contractors and suppliers shall ensure that, in its contract with its sub-consultants, Subcontractors and other third parties engaged or involved in ADB-related activities, such sub-consultants, Subcontractors and other third parties similarly undertake the foregoing duty to cooperate fully in any screening or investigation when requested by ADB to do so.</p> <p>3.4 The Supplier shall permit ADB to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by ADB, if so required by ADB.</p>
GCC 4.2 (b)	The version of Incoterms shall be: 2020
GCC 5.1	<p>The language shall be: English</p> <p>Language for translation of supporting documents and printed literature is: English</p>
GCC 8.1	<p>For notices, the Purchaser's address shall be:</p> <p>The Project Director</p> <p>Directorate of Skill Development</p> <p>Madhya Pradesh Skills Development Project</p> <p>1st Floor, Global Skills Park – City Campus</p> <p>ITI Campus Govindpura,</p> <p>City: Bhopal, District: Bhopal</p> <p>Madhya Pradesh ZIP code: 462023 Country: India</p> <p>Telephone & Fax: 0755-2986606</p> <p>E-mail address for all official communication: proc.mpsdp@gmail.com</p>
GCC 9.1	The governing law shall be: Laws of India
GCC 10.2	<p>The formal mechanism for the resolution of disputes shall be:</p> <p><u>For a contract with a Foreign Supplier:</u></p> <p>International arbitration shall be conducted in accordance with the rules of the Singapore International Arbitration Centre (SIAC).</p> <p>Arbitration shall be administered by the Singapore International Arbitration Centre (SIAC).</p> <p>The place of arbitration shall be: the place of the institution administering the arbitration.</p> <p><u>For a contract with a Local Supplier:</u></p> <p>Arbitration shall be conducted in accordance with the laws of the Purchaser's country, i.e. India at Bhopal (Madhya Pradesh)</p>
GCC 11.1	The Scope of Supply shall be defined in: List of Goods and Related Services of Section 6 (Schedule of Supply). At the time of awarding the contract, the

	<p>Purchaser shall specify any change in the scope of supply with respect to Section 6 (Schedule of Supply) included in the Bidding Document. Such changes may be due, for instance, if the quantities of Goods and Related Services are increased or decreased at the time of award.</p>
<p>GCC 12.1</p>	<p>Details of shipping and documents to be furnished by the Supplier shall be:</p> <p>For Goods supplied from abroad as per Incoterm CIF or CIP:</p> <p>Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by telex or fax the full details of the shipment, including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall send the following documents to the Purchaser, with a copy to the Insurance Company:</p> <ul style="list-style-type: none"> (a) 3 copies of the Supplier's invoice showing the description of the Goods, quantity, unit price, and total amount; (b) Original and 3 copies of the negotiable, clean, on-board bill of lading marked "freight prepaid" and 3 copies of non-negotiable bill of lading; (c) 3 copies of the packing list identifying contents of each package; (d) Insurance certificate; (e) Manufacturer's or Supplier's warranty certificate; (f) Inspection certificate, issued by the Officer/nominated inspection agency, and the Supplier's factory inspection report; and (g) Certificate of origin. <p>The Purchaser shall receive the above documents atleast one (1) week before arrival of Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p><u>For Goods from within the Purchaser's country as per Incoterm EXW:</u></p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and send the following documents to the Purchaser:</p> <ul style="list-style-type: none"> (a) 3 copies of the Supplier's invoice showing the description of the Goods, quantity, unit price, and total amount; (b) Delivery note, railway receipt, or truck receipt; (c) Manufacturer's or Supplier's warranty certificate; (d) inspection certificate issued by Supplier/the nominated inspection agency, and the Supplier's factory inspection report; and (e) Certificate of origin. <p>The Purchaser shall receive the above documents before the arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>

GCC 15.2	The price adjustment <i>shall not</i> be applicable.
GCC 16.1	<p>Payment of the Contract Price shall be made in the following manner:</p> <p>For Goods and Related Services supplied from outside the Purchaser's country:</p> <ul style="list-style-type: none"> a) Advance Payment: 10% of the Contract Price within 28 days of signing of the Contract. Payment shall be made provided the Supplier presents a request for payment accompanied by an Advance Payment Security in the form of a bank guarantee for an amount equal to the amount of the payment, and that shall be valid until the Goods are delivered. The security shall be in the form as specified in Section 9 (Contract Forms); b) On Shipment: The Purchaser shall pay the Supplier 80% of the Contract Price of the Goods shipped through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country under the ADB commitment procedure, upon submission of documents specified in SCC Clause 12.1; c) On Acceptance: 10% of the Contract Price of Goods received shall be paid within 28 days of receipt of the Goods upon submission of a claim supported by the acceptance certificate issued by the Purchaser. <p>For Goods and Related Services supplied from within the Purchaser's country:</p> <ul style="list-style-type: none"> (a) Advance Payment: 10% of the Contract Price within 28 days of signing of the Contract. Payment shall be made provided the Supplier presents a request for payment accompanied by an Advance Payment Security in the form of a bank guarantee for an amount equal to the amount of the payment, and that shall be valid until the Goods are delivered. The security shall be in the form as specified in Section 9 (Contract Forms); (b) On Delivery: The Purchaser shall pay the Supplier 80% of the Contract Price of the Goods shipped through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country under the ADB commitment procedure, upon submission of documents specified in SCC Clause 12.1; (c) On Acceptance: 10% of the Contract Price of Goods received shall be paid within 28 days of receipt of the Goods upon submission of a claim supported by the acceptance certificate issued by the Purchaser.
GCC 16.4	The currencies for payments shall be: Indian National Rupee (INR)
GCC 18.1	The Supplier shall provide a Performance Security of 10% of the Contract Price. The Performance Security shall be denominated in the following amounts and currencies: 10% of the Contract Price in INR.

GCC 18.3	The forms of acceptable Performance Security are: A bank guarantee issued by a reputable bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the format included in Section 9 (Contract Forms), or a cashier's or certified check, or cash. If the institution issuing the performance security is located outside the country of the Purchaser, it shall have a correspondent financial institution located in the country of the Purchaser to make it enforceable.
GCC 18.4	Discharge of the Performance Security shall take place: Pursuant to GCC Subclause 18.4, after delivery and acceptance of the Goods, the performance security shall be reduced to five percent (5.0%) of the Contract Price to cover Supplier's warranty obligations (including Annual Maintenance contract (AMC)) in accordance with GCC Clause 28.3.
GCC 23.2	<p>The packing, marking, and documentation within and outside the packages shall be:</p> <p>Packing:</p> <p>(1) The supplied Goods shall be packed by standard protective measures, such as wooden crates, cart boxes with thermocol packing suitable for long distance transportation and well protected against damage, wear and tear, moisture, shock, rust and rough handling so as to ensure that the Goods will safely arrive at the designated site. With the mark - handle with care, and</p> <p>(2) In each package there shall be one copy each of the detailed packing list and the quality certificate.</p> <p>Marking:</p> <p>(1) The Supplier shall mark the following on the four adjacent sides of each package with indelible paint in conspicuous English printed words:</p> <p>A. CONSIGNEE B. CONTRACT NO. C. SHIPPING MARK D. CONSIGNEE CODE E. DESTINATION F. NAME OF GOODS AND ITEM NO., CASE NO. G. GROSS/NET WEIGHT (Kg) H. MEASUREMENT (LENGTH x WIDTH x HEIGHT IN CM)</p> <p>(2) If any package weighs two (2) tons or more, the Supplier shall mark on two sides of each package in English and with appropriate transportation marks to show the "center of gravity" and "points of slinging" in order to facilitate loading, discharging and handling. According to the characteristics of the Goods and the different requirements in transportation, packages shall be marked legibly by the Supplier with words "Handle with Care", "Right Side Up", "Keep Dry", etc., and with other appropriate marks.</p>

GCC 24.1	The insurance coverage shall be in accordance with: Pursuant to GCC, Subclause 24.1, the Supplier must insure the Goods in an amount to equal to 110% of the CIF, CIP or EXW price of the Goods from "Warehouse" to "Warehouse" on "All Risks" basis, including War Risks and Strikes.
GCC 25.1	Obligations for transportation of the Goods shall be in accordance with: Incoterms
GCC 26.2	<p>Tests and Inspections specified in Section 6 (Schedule of Supply), shall be carried out at the following times or milestones, and places:</p> <p>Inspection for Machineries – Pre-dispatch inspection as per Technical Specifications before supply at the suppliers/manufactures premise. Manufacture/ supplier will facilitate such inspections and will provide necessary facilities in this regard. Approval of samples is pre-requisite before delivery.</p> <p>Inspection for Instruments and Tools – Approval of samples by Technical Committee as per technical specifications before delivery of Goods. Approval of samples is pre-requisite before delivery.</p>
GCC 27.1	The applicable rate for liquidated damages for delay shall be: 0.5% of the Contract Price per week or part thereof.
GCC 27.1	The maximum amount of liquidated damages shall be: 10% of the Contract Price.
GCC 28.3	<p>The period of validity of the Warranty shall be: 365 days and AMC period of 3 years after warranty. The place of final destination shall be:</p> <p>Global Skills Park Main Campus, Ward No. 67, Zone 15, Hazrat Nizammudin Colony, Indrapuri, Huzur, Bhopal, Madhya Pradesh, 462022</p> <p>Details are mentioned in Delivery and Completion Schedule of Section 6 (Schedule of Supply)</p>
GCC 28.5	The Supplier shall correct any defects covered by the Warranty within 10 days of being notified by the Purchaser of the occurrence of such defects.
GCC 30.1 (b)	The amount of aggregate liability shall be: equivalent to 100% of the Contract Price

GCC 37	<p>37.1 The Supplier shall ensure that its employees and Subcontractors observe the highest ethical standards and refrain from any form of bullying, discrimination, misconduct and harassment, including sexual harassment and shall, at all times, behave in a manner that creates an environment free of unethical behavior, bullying, misconduct and harassment, including sexual harassment. The Supplier shall take appropriate action against any employees or Subcontractors, including suspension or termination of employment or subcontract, if any form of unethical or inappropriate behavior is identified.</p> <p>37.2 The Supplier shall conduct training programs for its employees and Subcontractors to raise awareness on and prevent any form of bullying, discrimination, misconduct, and harassment including sexual harassment, and to promote a respectful work environment. The Supplier shall keep an up to date record of its employees and subcontractors who have attended and completed such training programs and provide such records to the Purchaser at their first written request.</p>
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Section 9: Contract Forms

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Notification of Award

[on letterhead of the Purchaser]

Letter of Acceptance

[date]

To: [name and address of the supplier]

Subject: Notification of Award Contract No. [please specify]

This is to notify you that your Bid dated [date] for execution of the [name of the contract and identification number, as given in the Bid Data Sheet] for the Accepted Contract Amount of the equivalent of [amount in words and figures and name of currency], as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract and any additional security required as a result of the evaluation of your bid, using for that purpose the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made on the *[insert date]* day of *[insert month]*, *[insert year]*, between *[insert complete name of the purchaser]* of *[insert complete address of the Purchaser]* (hereinafter "the Purchaser"), of the one part, and *[insert complete name of the supplier]* of *[insert complete address of the supplier]* (hereinafter "the Supplier"), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and Related Services, viz., *[insert brief description of the goods and related services]* and has accepted a Bid by the Supplier for the supply of those Goods and Related Services in the sum of *[insert currency or currencies and amount of contract price in words and figures]* (hereinafter "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 Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) Letter of Acceptance;
 - (b) Bid Submission Sheet and the Price Schedules submitted by the Supplier;
 - (c) Special Conditions of Contract;
 - (d) List of Eligible Countries that was specified in Section 5 of the Bidding Document;
 - (e) General Conditions of Contract;
 - (f) Schedule of Supply; and
 - (g) any other documents shall be added here.

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser 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 *[indicated name of country]* on the day, month, and year indicated above.

Signed by *[insert authorized signature for the Purchaser]* (for the Purchaser)

Signed by *[insert authorized signature for the supplier]* (for the Supplier)

Performance Security

[Bank's name, and address of issuing branch or office]

Beneficiary:[Name and address of the Purchaser]

Date:[Insert date (as day, month, and year)]

Performance Guarantee No.:

We have been informed that [name of the supplier] (hereinafter called "the Supplier") has entered into Contract No. [reference number of the contract] dated [date] with you, for the execution of [name of contract and brief description of goods and related services] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Supplier, we [name of the bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [name of the currency and amount in words]¹ [amount in figures] such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Supplier is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the [date] day of [month], [year],² and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.³

.....
[Signature(s) and seal of bank (where appropriate)]

-- Note to Bidder --

If the institution issuing the performance security is located outside the country of the Purchaser, it shall have a correspondent financial institution located in the country of the Purchaser to make it enforceable.

- ¹ The guarantor shall insert an amount representing the percentage of the contract price specified in the contract and denominated either in the currency(ies) of the contract or a freely convertible currency acceptable to the Purchaser.
- ² Insert the date 28 days after the expected completion date. The Purchaser should note that in the event of an extension of the time for completion of the contract, the Purchaser would need to request an extension of this guarantee from the guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Purchaser might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."
- ³ Or the same or similar to this clause specified in the Uniform Rules for Demand Guarantees, ICC Publication No. 758 where applicable.

Advance Payment Security

[insert complete name and number of contract]

To: [insert complete name of the Purchaser]

In accordance with the payment provision included in the Contract, in relation to advance payments, [insert complete name of the supplier] (hereinafter called "the Supplier") shall deposit with the Purchaser a security consisting of [indicate type of security], to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of [insert currency and amount of guarantee in words and figures].

We, the undersigned [insert complete name of the guarantor], legally domiciled in [insert full address of the guarantor] (hereinafter "the Guarantor"), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligor and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding [insert currency and amount of guarantee in words and figures].

This security shall remain valid and in full effect from the date of the advance payment being received by the Supplier under the Contract until [insert date (as day, month, year)].

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458 [or ICC Publication No. 758 as applicable].

Name: [insert complete name of person signing the Security]

In the capacity of [insert legal capacity of person signing the Security]

Signed: [insert signature of person whose name and capacity are shown above]

Duly authorized to sign the security for and on behalf of [insert seal (where appropriate) and complete name of the guarantor]

Date: [insert date of signing]

-- Note to Bidder --

If the institution issuing the advance payment security is located outside the country of the Purchaser, it shall have a correspondent financial institution located in the country of the Purchaser to make it enforceable.