

**OFFICE OF THE SUPERINTENDING ENGINEER
RESEARCH CIRCLE
IRRIGATION RESEARCH INSTITUTE, ROORKEE**
Telephones: +91-1332-265174; Fax: +91 - 1332 - 262487
E-mail: uttarkhandwrd@gmail.com

NATIONAL COMPETITIVE BIDDING
(Two Envelope Bidding Process with e-procurement)

e-Tender Notice No. 06/SE(R)/NHP/e-Tender/2021-22, Dated: 29.11.2021

Superintending Engineer (Research Circle), Irrigation Research Institute, Roorkee on behalf of "Governor of Uttarakhand" invites item-wise rates through e-Tender for "Supply & Installation of Furniture in SWIC Building at Roorkee under National Hydrology Project (NHP)" under "Two Bid System". The details of work are as mentioned below:

S. No.	Name of work	Cost of tender form (Rs.)	Validity of Tender	Period of completion
1	2	4	5	6
1	Supply & Installation of Furniture in SWIC Building at Roorkee under National Hydrology Project (NHP)	4000.00 + GST @18%	90 Days	3 Months

Key Dates

1.	Date of calling	:	29.11.2021
2.	Date of online publication	:	30.11.2021; 5:00 PM
3.	Documents download start date	:	30.11.2021; 6:00 PM
4.	Pre-bid meeting	:	09.12.2021; 1.00 PM
5.	Bid Submission Start Date	:	23.12.2021; 3:30 PM
6.	Last date for down loading of bid document	:	30.12.2021; 3:00 PM
7.	Last date and time for bid submission/ uploading of bid	:	30.12.2021; 3:00 PM
8.	Time and date of opening of Technical Bids	:	30.12.2021; 3:30 PM
9.	Time and date of opening of Financial Bids	:	To be Declared later

For more details please log on to: www.uktenders.gov.in


Superintending Engineer
Research Circle
Irrigation research Institute, Roorkee

SECTION I: INVITATION FOR BIDS (IFB)

NATIONAL COMPETITIVE BIDDING

**SUPPLY & INSTALLATION OF FURNITURE IN SWIC BUILDING AT ROORKEE
UNDER NATIONAL HYDROLOGY PROJECT (NHP)**

(TWO-ENVELOPE BIDDING PROCESS WITH E-PROCUREMENT)

INVITATION FOR BIDS (IFB)

E-Procurement Notice

Date : 03.03.2021
Loan No. : 8725-IN
IFB No. : 06/SE(R)/NHP/e-Tender/2021-22, Dated 29.11.2021

1. This Invitation For Bid follows the General Procurement Notice for this Project that appeared in Development Business on 09.03.2017
2. The Government of India has received financing from World Bank towards the cost of National Hydrology project and it is intended that part of the proceeds will be applied to eligible payments under the contract for **“Supply & Installation of Furniture in SWIC Building at Roorkee under National Hydrology Project (NHP)”**.
3. The Superintending Engineer (Research Circle), Irrigation Research Institute, Roorkee now invites online bids from eligible bidders for **“Supply & Installation of Furniture in SWIC Building at Roorkee under National Hydrology Project (NHP)”**.
4. Bidding will be conducted through the National Competitive Bidding (NCB) procedures agreed with World Bank. The bidding is open to all eligible bidders as defined in the Bank’s Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 of the Guidelines setting forth the World Bank’s policy on conflict of interest.
5. Bidding documents are available online on Government e-procurement website, <https://uktenders.gov.in> for a non-refundable fee as indicated below, in the form of Demand Draft on any Scheduled/Nationalized bank payable at Roorkee in favour of **“Executive Engineer, Design Division, IDO, Roorkee”** (Demand Draft to be submitted subsequently as per the procedure described in paragraph 7 below). Bidders will be required to register in the website, which is free of cost. The bidder would be responsible for ensuring that any addenda available on the website is also downloaded and incorporated.
 - (a) Price of bidding document(non-refundable) : 4000 + GST @18%
 - (b) Date of commencement of sale of bidding document : 30.11.2021; 5:00 PM
 - (c) Date of Pre-bid meeting : 09.12.2021; 1:00 PM
 - (d) Last date and time for receipt of bids : 30.12.2021; 3:00 PM
 - (e) Time and date of opening of bids-technical part : 30.12.2021; 3:30 PM
6. For submission of the bids, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities, authorised by Government of India for issuing DSC.
7. All bids must be accompanied by a Bid Securing Declaration form as specified in the bidding document.
8. Bids must be submitted online on <https://uktenders.gov.in> (website) on or before the date and time for receipt of bids, and the ‘Technical Part’ of bids will be opened on the specified time

- and date for opening of bids, as given above. The financial bid of technically qualified bidder will be opened later. The date of opening of financial bid will be declared later. Any bid or modifications to bid (including discount) received outside e-procurement system will not be considered. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time. The electronic bidding system would not allow any late submission of bids.
9. The bidders are required to submit the scanned copies of (i) Bank draft towards the cost of bid document and GST amount (ii) original bid securing declaration form in approved form; (iii) original affidavit regarding correctness of information furnished with bid document; and (iv) original affidavit regarding the validity of rates, during online bid submission. Original document must be submitted before the opening of the technical part of the Bid in the office specified in BDS either by registered/speed post/courier or by hand. Due to valid unavoidable circumstances, if bidder(s) fails to submit the hard copies of aforesaid original documents before the opening of technical bid, the bidder must submit these original documents within the stipulated time as intimated by the Purchaser. If bidder(s) will not provide these original documents within prescribed time as given by the Purchaser, his/their bid(s) will be declared as non-responsive and in such situation Purchaser may take any action against such bidder(s).
 10. A pre-bid meeting will be held on 09.12.2021 at 1.00 PM through video conference at the **Office of the Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee** to clarify the issues and to answer questions on any matter that may be raised at the stage as stated in ITB clause 7.1 of “Instructions to Bidders” of the bidding documents. Bidders may participate in the pre-bid meeting through online or in person at office of the Undersigned.
 11. Other details can be seen in the bidding document. The Purchaser shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the bidders of any bid updates, the Purchaser shall not be liable for any information not received by the bidder. It is the bidder’s responsibility to verify the website for the latest information related to this bid.

Superintending Engineer
Research Circle
Irrigation Research Institute
SPMU, NHP
Roorkee, District – Haridwar, Uttarakhand

TABLE OF CONTENTS

BACKGROUND	i
PART 1 – BIDDING PROCEDURES	1
SECTION I - INSTRUCTIONS TO BIDDERS [ITB].....	1
SECTION II - BIDDING DATA SHEET	23
SECTION III- EVALUATION AND QUALIFICATION CRITERIA	29
SECTION IV – BIDDING FORMS	33
SECTION V. – ELIGIBLE COUNTRIES	49
SECTION VI. BANK POLICY - CORRUPT AND FRAUDULENT PRACTICES	50
PART 2 - SUPPLY REQUIREMENTS	52
SECTION VII – SCHEDULE OF REQUIREMENTS	53
PART 3 – CONTRACT.....	140
SECTION VIII – GENERAL CONDITIONS OF CONTRACT	141
SECTION IX. SPECIAL CONDITIONS OF CONTRACT	159
SECTION X – CONTRACT FORMS	166

PART 1 – BIDDING PROCEDURES

SECTION I - INSTRUCTIONS TO BIDDERS [ITB]

SECTION I. INSTRUCTIONS TO BIDDERS

A. General

1. **Scope of Bid**
 - 1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section VII, Schedule of Requirements. The name, identification and number of lots (contracts) of this National Competitive Bidding (NCB) procurement are **specified in the BDS**.
 - 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex, including if **specified in the BDS**, distributed or received through the electronic-procurement system used by the Employer) with proof of receipt;
 - (b) if the context so requires, “singular” means “plural” and vice versa; and
 - (c) “day” means calendar day.
2. **Source of Funds**
 - 2.1 The Government of India (hereinafter called “Borrower”) **specified in the BDS** has applied for or received financing (hereinafter called “funds”) from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called “the Bank”) in an amount **specified in BDS** toward the project **named in the BDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract for which these Bidding Documents are issued.
 - 2.2 Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank in accordance with the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the loan or other financing) account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall derive any rights from the Loan (or other financing) Agreement or have any claim to the funds.
3. **Corrupt & Fraudulent Practices**
 - 3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.
 - 3.2 In further pursuance of this policy, Bidders shall permit and shall cause its agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers and to permit the Bank to inspect all accounts, records and other documents relating to the submission of the application, bid submission (in case prequalified),

and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

- 4. Eligible Bidders**
- 4.1 A Bidder may be a firm that is a private entity, or a government owned entity subject to Instructions to Bidders (ITB) 4.5.
- 4.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:
- a. directly or indirectly controls, is controlled by or is under common control with another Bidder; or
 - b. receives or has received any direct or indirect subsidy from another Bidder; or
 - c. has the same legal representative as another Bidder; or
 - d. has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - e. Participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - f. any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods/equipment that are the subject of the bid; or
 - g. any of its affiliates has been hired (or is proposed to be hired) by the Purchaser or Borrower for the Contract implementation; or
 - h. would be providing goods, works, or non-consulting 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 of its affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; or
 - i. has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the procurement process and execution of the contract.
- 4.3 A Bidder may have the nationality of any country, subject to the

restrictions pursuant to ITB 4.7. A Bidder shall be deemed to have the nationality of a country if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed sub-contractors or sub-consultants for any part of the Contract including related Services.

- 4.4 A Bidder that has been sanctioned by the Bank in accordance with the above ITB 3.1, including in accordance with the Bank's Guidelines on Preventing and Combating Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants ("Anti-Corruption Guidelines"), shall be ineligible to be prequalified for, bid for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address **specified in the BDS**.
- 4.5 Bidders that are Government-owned enterprises or institutions in the Purchaser's Country may participate only if they can establish that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not dependent agencies of the Purchaser. To be eligible, a government-owned enterprise or institution shall establish to the Bank's satisfaction, through all relevant documents, including its Charter and other information the Bank may request, that it: (i) is a legal entity separate from the government (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to the government, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt; and (iv) is not bidding for a contract to be awarded by the department or agency of the government which under their applicable laws or regulations is the reporting or supervisory authority of the enterprise or has the ability to exercise influence or control over the enterprise or institution.
- 4.6 A Bidder shall not be under suspension from bidding by the Purchaser as the result of the operation of a Bid-Securing Declaration.
- 4.7 Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) 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 any country, person, or entity in that country.

- 4.8 A bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.
- 5. Eligible Goods and Related Services**
- 5.1 All the Goods and Related Services to be supplied under the Contract and financed by the Bank may have their origin in any country in accordance with Section V, Eligible Countries.
- 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, installation, training, and initial maintenance.
- 5.3 The term “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 components.

B. Contents of Bidding Document

- 6. Sections of Bidding Documents**
- 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 8.

PART 1 Bidding Procedures

- ✓ Section I- Instructions to Bidders (ITB)
- ✓ Section II- Bidding Data Sheet (BDS)
- ✓ Section III- Evaluation and Qualification Criteria
- ✓ Section IV- Bidding Forms
- ✓ Section V- Eligible Countries
- ✓ Section VI- Bank Policy- Corrupt and Fraudulent Practices

PART 2 Supply Requirements

- ✓ Section VII- Schedule of Requirements

PART 3 Contract

- ✓ Section VIII- General Conditions of Contract (GCC)
- ✓ Section IX- Special Conditions of Contract (SCC)
- ✓ Section X- Contract Forms

- 6.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Document.
- 6.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the document, responses to requests for clarification, minutes of pre-bid meeting (if any), or Addenda to the Bidding Document in accordance with ITB 8. In

case of any contradiction, documents obtained directly from the Purchaser shall prevail.

- 6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as is required by the Bidding Documents.
- 7. Clarification of Bidding Documents** 7.1 The electronic bidding system **specified in the BDS** provides for online clarifications. A prospective Bidder requiring any clarification on the Bidding Documents may notify the Purchaser online. Clarifications requested through any other mode shall not be considered by the Purchaser. The Purchaser will respond to any request for clarification, provided that such request is received no later than fifteen (15) days prior to the deadline for submission of bids. Description of clarification sought and the response of the Purchaser shall be uploaded for information of all Bidders without identifying the source of request for clarification. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8 and ITB Sub-Clause 22.2. It is the bidder's responsibility to check on the e-procurement system, for any addendum/ amendment/ corrigendum to the bidding document.
- 8. Amendment of Bidding Documents** 8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum. The addendum will appear on the e-procurement system under "Latest Corrigendum".
- 8.2 Any addendum thus issued shall be part of the Bidding Documents and shall be deemed to have been communicated to all the bidders.
- 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 bids, pursuant to ITB Sub-Clause 22.2

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 not 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 English language. 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 into English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 11. Documents** 11.1 The Bid shall comprise two Parts, namely the Technical Part and

Comprising the Bid

the Financial Part. These two Parts shall be submitted simultaneously.

11.2 **The Technical Part** shall contain the following:

- (a) Letter of Bid – Technical Part, in accordance with ITB Clause 12;
- (b) Bid Security, in accordance with ITB Clause 19.1, if required;
- (c) Alternative bids – Technical Part, if permissible, in accordance with ITB 13, the Technical Part of any Alternative Bid;
- (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 20.2;
- (e) documentary evidence in accordance with ITB Clause 17 establishing the Bidder’s qualifications to perform the contract if its bid is accepted;
- (f) documentary evidence in accordance with ITB 17 establishing the Bidder’s eligibility to bid;
- (g) documentary evidence in accordance with ITB Clause 16, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (h) documentary evidence in accordance with ITB Clauses 16, that the Goods and Related Services conform to the Bidding Documents;
- (i) Manufacturer’s authorization form; and
- (j) any other document **required in the BDS.**

11.3 The **Financial Part** shall contain the following:

- (a) Letter of Bid – Financial Part: prepared in accordance with ITB 12 and ITB 14;
- (b) Price Schedules: completed prepared in accordance with ITB 12 and ITB 14;
- (c) Alternative Bid - Financial Part; if permissible in accordance with ITB 13, the Financial Part of any Alternative Bid; and
- (d) any other document **required in the BDS.**

11.4 The Technical Part shall not include any financial information related to the Bid price. Where material financial information related to the Bid price is contained in the Technical Part, the Bid shall be declared non-responsive.

11.5 The Bidder shall furnish in the Letter of Bid, information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this bid-

- 12. Process of Bid Submission**
- 12.1 The Letter of Bid – Technical Part and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.2. All blank spaces shall be filled in with the information requested.
- 12.2 Entire Bid including the Letter of Bid and filled-up Price Schedules shall be submitted online on e-procurement system specified in ITB 7.1. Details and process of online submission of the tender and relevant documents are given in the website mentioned above. Scanned copies of documents listed in clauses 11 and 12.3 should also be uploaded on this website.
- 12.3 **Submission of Original Documents:** The bidders are required to submit scanned copies of (i) Bank draft towards the cost of bid document and GST amount (ii) original bid securing declaration from in approved form; (iii) original affidavit regarding correctness of information furnished with bid document; and (iv) original affidavit regarding the validity of rates, during online bid submission. Original document must be submitted before the opening of the technical part of the Bid in the office specified in BDS either by registered/speed post/courier or by hand. Due to valid unavoidable circumstances, if bidder(s) fails to submit the hard copies of aforesaid original documents before the opening of technical bid, the bidder must submit these original documents within the stipulated time as intimated by the Purchaser. If bidder(s) will not provide these original documents within prescribed time as given by the Purchaser, his/their bid(s) will be declared as non-responsive and in such situation Purchaser may take any action against such bidder(s).
- 13. Alternative Bids**
- 13.1 Unless otherwise **specified 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 Letter of Bid – Financial Part and in the Price Schedules shall conform to the requirements specified below.
- 14.2 All lots (contracts) and items must be listed and priced separately in the Price Schedules.
- 14.3 The price to be quoted in the Letter of Bid – Financial Part, in accordance with ITB 12.1, shall be the total price of the bid, excluding any discounts offered.
- 14.4 The Bidder shall quote any discounts and indicate the methodology for their application in the Letter of Bid – Financial Part in accordance with ITB 12.1.
- 14.5 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 31. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.6 If so specified in ITB 1.1, bids are being invited for individual lots (contracts) or for any combination of lots (packages). Unless otherwise **specified 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 discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4 provided the bids for all lots (contracts) are submitted and opened at the same time.
- 14.7 The terms EXW and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, **as specified in the BDS**.
- 14.8 Prices shall be quoted as specified in the Price Schedule included in Section IV, Bidding Forms. The dis-aggregation of price components is required 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. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V Eligible Countries. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V Eligible Countries. Prices shall be entered in the following manner:
- (a) **For Goods:**
- (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable), including all duties, and GST and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) any GST and other taxes which will be payable in India on the Goods, if the contract is awarded to the Bidder; and
 - (iii) the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) **specified in the BDS**.

- (b) for the Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:
 - (i) the price of each item comprising the Related Services (inclusive of any applicable taxes).

14.9 Deemed Export Benefits

Bidders may like to ascertain availability of tax/duty exemption benefits, available for contracts financed under World Bank Credits/ Loans. They are solely responsible for obtaining such benefits, which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the Purchaser will not compensate the bidder.

Where the bidder has quoted taking into account such benefits, it must give all information required for issue of necessary Certificates in terms of the Government of India's relevant Notification along with its bid as per form stipulated in Section IV Bidding Forms. Where the Purchaser issues such Certificates, such taxes and duties will not be reimbursed separately.

If the Bidder has considered the Deemed Export Benefits in its bid, the Bidder shall confirm and certify that the Purchaser will not be required to undertake any responsibilities of the deemed export scheme or the benefits available during contract execution except issuing the required certificates. Bids which do not conform to this provision or any condition by the Bidder which makes the bid subject to availability of deemed export benefits or compensation on withdrawal of or any variations in the deemed export benefits scheme will make the bid non responsive and hence liable to rejection.

15. Currencies of Bid& Payment

- 15.1 The Bidder shall quote the Price in Indian Rupees only.

- 16. Documents Establishing the Eligibility and conformity of the Goods and Related Services**
- 16.1 To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.
- 16.2 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.
- 16.3 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 the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII Schedule of Requirements.
- 16.4 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.
- 16.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, 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 the Section VII Schedule of Requirements.
- 17. Documents Establishing the Eligibility & Qualifications of the Bidder**
- 17.1 To establish Bidder's eligibility in accordance with ITB 4, Bidders shall complete the Letter of Bid – Technical Part, included in Section IV, Bidding Forms.
- 17.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
- (a) that the Bidder meets each of the qualification criterion Criteria specified in Section III, Evaluation and Qualification;
 - (b) (i) that, if **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 IV, 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;

(ii) Supplies for any particular item in each schedule of the bid should be from one manufacturer only. Bids from agents offering supplies from different manufacturers for the same item of the schedule in the bid will be treated as non-responsive.

(iii) that, if **required in the BDS**, the Bidder is or will be (if awarded the contract) 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;

**18 Period of
Validity of Bids**

18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

18.2 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 Clause 19, it shall also be extended for a corresponding 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, except as provided in ITB Sub-Clause 18.3.

18.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:

(a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS** for each week or part of the week that has elapsed from the expiration of the initial bid validity to the date of notification of award to the successful bidder.

(b) In the case of adjustable price contracts, no adjustment shall be made.

(c) In any case, bid evaluation shall be based on the bid Price without taking into consideration the applicable correction from those indicated above.

19 Bid Security

19.1 The Bidder shall furnish a Bid-Securing Declaration as specified in the BDS, in original form.

19.2 A Bid Securing Declaration shall use the form included in Section IV, Bidding Forms.

19.3 The Bid Security shall be in the amount **specified in the BDS** and denominated in Indian Rupees or a freely convertible currency, and shall:

- (a) at the bidder's option, be in the form of either a certified check, demand draft, letter of credit, or a bank guarantee from a Nationalized /Scheduled Bank in India, or another security specified **in the BDS**;
 - (b) be substantially in accordance with one of the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission;
 - (c) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 19.6 are invoked;
 - (d) be submitted in its original form; copies will not be accepted;
 - (e) remain valid for a period of 120 days beyond the original validity period of the bids, or beyond any period of extension of bid validity, if so requested under ITB Clause 18.2.
- 19.4 If a Bid Security is required in accordance with ITB Sub-Clause 19.1, any bid not accompanied by a substantially responsive Bid Security shall be rejected by the Purchaser as non-responsive.
- 19.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the contract and furnishing the Performance Security pursuant to ITB Clause 44.
- 19.6 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.
- 19.7 The Bid Security may be forfeited:
- (a) if a Bidder
 - (i) withdraws its bid during the period of bid validity specified by the Bidder in the Letter of Bid (Technical Part and/or Financial Part), except as provided in ITB Sub-Clause 18.2;
 - or
 - (ii) does not accept the correction of errors in pursuant to ITB 35,
 - or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 43; or
 - (ii) furnish a Performance Security in accordance with ITB Clause 44.
- 19.8 The bid security or Bid- Securing Declaration of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the bid security or Bid-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.

19.9 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 18.2, or does not accept the correction of errors pursuant to ITB 35; or
- (b) if the successful Bidder fails to sign the Contract in accordance with ITB 43; or furnish a performance security in accordance with ITB 44;

The Borrower may, **if provided for in the BDS**, declare the Bidder ineligible to be awarded a contract by the Purchaser for a period of time **as stated in the BDS**.

20 Format and Signing of Bid

20.1 The Bidder shall prepare the Bid as per details given in ITB 21.

20.2 The bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The authorization shall consist of a written confirmation **as specified in the BDS** and shall be uploaded along with the bid.

20.3 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives. 20.4 Corrections if any in the bid can be carried out by editing the information before electronic submission on e-procurement portal.

D. Online Submission of Bids

21 Preparation of Bids

21.1 Bids, both Technical and Financial Parts, shall be submitted online on the e-procurement system specified in BDS 7.1. Detailed guidelines for viewing bids and submission of online bids are given on the website. The Invitation for Bids under this Project is published on this website. Any citizen or prospective bidder can logon to this website and view the Invitation for Bids and can view the details of goods for which bids are invited. A prospective bidder can submit its bid online; however, the bidder is required to have enrolment/registration in the website, and should have valid Digital Signature Certificate (DSC) in the form of smart card/e-token obtained from any authorised certifying agency of Government of India (for class of DSC **specified in BDS**). The bidder should register in the website using the relevant option available. Then the Digital Signature registration has to be done with the e-token, after logging into the website. The bidder can then login the website through the secured login by entering the password of the e-token & the user id/ password chosen during registration. After getting the bid schedules, the Bidder should go through them carefully and submit the specified documents, along with the bid, otherwise the bid will be rejected.

- 21.2 The completed bid comprising of documents indicated in ITB 11, should be uploaded on the e-procurement portal along with scanned copies of requisite certificates as are mentioned in different sections in the bidding document and scanned copy of the bid security.
- 21.3 All the documents are required to be signed digitally by the bidder. After electronic on line bid submission, the system generates a unique bid identification number which is time stamped as per server time. This shall be treated as acknowledgement of bid submission.
- 21.4 Physical, Email, Telex, Cable or Facsimile bids will be rejected as non-responsive.
- 22 Deadline for Submission of Bids**
- 22.1 Bids must be uploaded online no later than the date and time **specified in the BDS.**
- 22.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 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.
- 23 Late Bids**
- 23.1 The electronic bidding system would not allow any late submission of bids after due date & time as per server time.
- 24 Withdrawal, Substitution, and Modification of Bids**
- 24.1 Bidders may modify their bids by using appropriate option for bid modification on the e-procurement portal, before the deadline for submission of bids. For this the bidder need not make any additional payment towards the cost of bid document. For bid modification and consequential re-submission, the bidder is not required to withdraw his bid submitted earlier. The last modified bid submitted by the bidder within the bid submission time shall be considered as the bid. For this purpose, modification/withdrawal by other means will not be accepted. In online system of bid submission, the modification and consequential re-submission of bids is allowed any number of times. A bidder may withdraw his bid by using appropriate option for bid withdrawal, before the deadline for submission of bids, however, if the bid is withdrawn, re-submission of the bid is not allowed (or allowed **if specified in BDS**).
- 24.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 24.1 shall not be opened.
- 24.3 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 Letter of Bid (Technical Part and/or Financial Part) or any extension thereof.

E. Public Opening of Technical Parts of Bids

- 25 Public Opening of Technical Parts of Bids**
- 25.1. The Purchaser shall publicly open Technical Parts of all bids received by the deadline, at the date, time and place **specified in the BDS**, in the presence of Bidder’s designated representatives and anyone who chooses to attend, and this could also be viewed by the bidders online. The Financial Parts of the bids shall remain unopened in the e-procurement system, until the subsequent public opening, following the evaluation of the Technical Parts of the Bids. In all cases, original documents submitted as specified in ITB 12.3 shall be first scrutinized, and Bids that do not comply with the provisions of ITB 12.3 will be declared non-responsive and will not be opened. Thereafter, bidder’s names, and such other details as the Purchaser may consider appropriate will be notified online as Technical Part bid opening summary.
- In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.
- 25.2. The electronic summary of the bid opening will be generated and uploaded online. The Purchaser will also prepare minutes of the Bid opening, including the information disclosed and upload the same for viewing online. Only Technical Parts of Bids are opened at Bid opening shall be considered further for evaluation.

E. Evaluation of Bids – General Provisions

- 26 Confidentiality**
- 26.1 Information relating to the examination, evaluation, comparison, and post-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 information on Contract Award is communicated to all Bidders in accordance with ITB 42.
- 26.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.
- 26.3 Notwithstanding ITB Sub-Clause 26.2, from the time of bid opening 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.
- 27 Clarification of Bids**
- 27.1 To assist in the examination, evaluation, comparison of the bids and post-qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid, 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, including any voluntary increase or decrease, 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 bids, in accordance with ITB Clause 35.

- 27.2 If a Bidder does not provide clarifications of its bid by the date and time set in the Purchaser's request for clarification, its bid may be rejected.
- 28 Deviations, Reservations, Omissions**
- 28.1 During the evaluation of bids, the following definitions apply:
- (a) "Deviation" is a departure from the requirements specified in the Bidding Documents;
 - (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
 - (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Documents.
- 29 Nonconformities, Errors and Omissions**
- 29.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonconformities or omissions in the Bid which do not constitute a material deviation, reservation or omission.
- 29.2 Provided that a 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 Bid related to documentation requirements. Such omission shall not be related to any aspect of the price or substance of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 29.3 Provided that a Bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified in the BDS.

G. Evaluation of Technical Parts of Bids

- 30 Evaluation of Technical Parts**
- 30.1 In evaluating the Technical Parts of each Bid, the Purchaser shall use the criteria and methodologies listed in ITB 31, ITB 32, and Section III, Evaluation and Qualification Criteria. No other evaluation criteria or methodologies shall be permitted.
- 31 Determination of Responsiveness**
- 31.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself as defined in ITB 11.
- 31.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents 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 the Contract; or

(ii) limit in any substantial way, inconsistent with the Bidding Documents, 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 bids.

31.2.1 Bids from Agents, without proper authorization from the manufacturer as per Section IV, shall be treated as non-responsive.

31.3.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.

31.3.2 The Purchaser shall examine the bid to confirm that the Bidder has accepted all terms and conditions specified in GCC and the SCC without material deviations or reservations. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security (GCC Clause 18), Warranty (GCC Clause 28), Force Majeure (Clause 32), Limitation of liability (GCC Clause 30), Governing law (GCC Clause 9) and Taxes & Duties (GCC Clause 17) will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

31.4 If a bid is not substantially responsive to the Bidding Documents, 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.

32 Qualification of the Bidders

32.1 The Purchaser shall determine, to its satisfaction, whether all eligible Bidders, whose Bids have been determined to be substantially responsive to the bidding document, meet the Qualification Criteria specified in Section III, Evaluation and Qualification Criteria.

32.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17. The determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, subcontractors (other than specialized subcontractors if permitted in the bidding document), or any other firm(s) different from the Bidder.

32.3 If a Bidder does not meet the qualifying criteria specified in Section III, Evaluation and Qualification Criteria, its Bid shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation,

or omission.

- 32.4 Only Bids that are both substantially responsive to the bidding document, and meet all Qualification Criteria shall have the Financial Parts of their Bids opened at the second public opening

H. Public Opening of Financial Parts of Bids

33 Public Opening of Financial Parts

- 33.1 Following the completion of the evaluation of the Technical Parts of the Bids, and the Bank has issued its no objection (if applicable), the Purchaser shall notify in writing those Bidders who have failed to meet the Qualification Criteria and/or whose Bids were considered non-responsive to the requirements in the bidding document, advising them of the following information:

- (a) their Technical Part of Bid failed to meet the requirements of the bidding document;
- (b) their Financial Part of the Bid shall not be opened; and
- (c) notify them of the date and time for public opening of the Financial Parts of the Bids. Financial Parts of the bids shall not be opened earlier than seven (7) days from the communication of technical evaluation results to the bidders.

- 33.2 The Purchaser shall, simultaneously, notify in writing those Bidders whose Technical Parts have been evaluated as substantially responsive to the bidding document and met the Qualification Criteria, advising them of the following information:

- (a) their Bid has been evaluated as substantially responsive to the bidding document and met the Qualification Criteria;
- (b) their Financial Part of Bid will be opened at the public opening of Financial Parts;
- (c) notify them of the date and time of the second public opening of the Financial Parts of the Bids, as **specified in the BDS**.

- 33.3 The opening date should allow Bidders sufficient time to make arrangements for attending the opening. The Financial Part of the Bid shall be opened publicly in the presence of Bidders' designated representatives and anyone who chooses to attend, and this could also be viewed by the bidders online. The bidder's names, the Bid prices, the total amount of each bid, including any discounts and Alternative Bid – Financial Part, and such other details as the Purchaser may consider appropriate will be notified online by the Purchaser at the time of bid opening.

In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

- 33.4 The electronic summary of the bid opening will be generated

and uploaded online. The Purchaser will also prepare minutes of the Bid opening, including the information disclosed and upload the same for viewing online. Only Financial Part of Bids, Financial Parts of Alternative Bids and discounts that are opened and read out at Bid opening shall be considered further for evaluation.

I. Evaluation of Financial Parts of Bids

- 34 Evaluation of Financial Parts**
- 34.1 To evaluate the Financial Part of each Bid, the Purchaser shall consider the following:
- (a) evaluation will be done for Items or Lots (contracts), as specified **in the BDS**; and the Bid Price as quoted in accordance with ITB 14;
 - (b) Not used;
 - (c) price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) Not used;
 - (e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 29.3; and
 - (f) the additional evaluation factors specified in Section III, Evaluation and Qualification Criteria.
- 34.2 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 34.3 If this bidding document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated cost of the lot (contract) combinations, including any discounts offered in the Letter of Bid - Financial Part, is specified in Section III, Evaluation and Qualification Criteria.
- 34.4 The Purchaser's evaluation of a Bid shall include (i) price quoted EXW including GST as applicable on the finished goods; (ii) other taxes, if any, payable on finished goods; (iii) price for inland transportation, insurance, and other local services required to convey the Goods to their Final Destination; and (iv) price for Related Services, if any
- 34.5 The Purchaser's evaluation of a Bid may require the consideration of other factors, in addition to the Bid price quoted in accordance with ITB 14. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of Bids, unless otherwise specified **in the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria. The criteria

		and methodologies to be used shall be as specified in ITB 34.1 (f).
35 Correction of Arithmetical Errors	35.1	The e-procurement system automatically calculates the total amount from unit rates and quantities and the system also automatically populates the amount in words from the amount in figures and therefore there is no scope of discrepancy and need for arithmetic correction.
36 Conversion to Single Currency	36.1	Not applicable.
37 Margin of Domestic Preference	37.1	Not applicable.
38 Comparison of Financial Parts	38.1	Financial bid of technically qualified bidder will be opened and e-procurement system automatically generates a comparative chart from the rates quoted by the technically qualified bidders.
39 Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids	39.1	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 Bidders. In case of annulment, all documents submitted and specifically, bid securities, shall be promptly returned to the Bidders.

J. Award of Contract

40 Award Criteria	40.1	Subject to ITB 39.1, the Purchaser shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
41 Purchaser's Right to Vary Quantities at Time of Award	41.1	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 VII, Schedule of Requirements, provided this does not exceed the percentages specified in the BDS , and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
42 Notification of Award	42.1	Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter called "Letter of Acceptance") shall specify the sum that the purchaser will pay in consideration of the supply of Goods (hereinafter called "the Contract Price").
Publication of Award	42.2	At the same time the Purchaser shall publish on the Uttarakhand Government procurement portal www.uktenders.gov.in , the results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at bid opening; (iii) name and evaluated

prices of each Bid that was evaluated; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the successful Bidder, and the price it offered, as well as the duration and summary scope of the contract awarded.

Recourse to Unsuccessful Bidders

42.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after Publication of contract award, requests in writing the grounds on which its bid was not selected.

42.4 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

42.5 Upon the successful Bidder's furnishing of the performance security and signing the Contract Form pursuant to ITB Clause 43, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 19.5

43 Signing of Contract

43.1 Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.

43.2 Within twenty-one (21) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.

44 Performance Security

44.1 Within twenty-one (21) days of the receipt of notification of award from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security @ 10% of tendered cost in accordance with the GCC, using for that purpose the Performance Security Form included in Section X Contract forms, or another Form acceptable to the Purchaser. Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

SECTION II - BIDDING DATA SHEET

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: <i>Superintending Engineer, Research Circle, Irrigation Research institute, Roorkee-247667</i>
ITB 1.1	The name and identification number of the NCB is: Supply & Installation of Furniture in SWIC Building at Roorkee under National Hydrology Project (NHP). NCB No. is 06/SE(R)/NHP/e-Tender/2020-21, Dated: 29.11.2021
ITB 1.2(a)	The Purchaser shall use the electronic-procurement system specified in BDS 7.1 to manage this Bidding process.
ITB 2.1	The Borrower is Government of India. Loan agreement amount is US\$ 175 million
ITB 2.1	The name of the Project is: National Hydrology Project
ITB 4.1	Not used
ITB 4.4	A list of firms debarred from participating in World Bank projects is available at http://www.worldbank.org/debarr
	B. Contents of Bidding Documents
ITB 7.1	Electronic –Procurement System The Purchaser shall use the following electronic-procurement system to manage this Bidding process: www.uktenders.gov.in For Clarification of bid purposes only, the Purchaser’s address is: Office of the Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee, District-Haridwar, Uttarakhand-247667 INDIA Telephone: 91-1332-265174 Facsimile number: 01332-262792, 01332-262487 Mobile: 886758368 (Sh. Shankar Kumar Saha, Superintending Engineer) E-mail: uttarkhandwrd@gmail.com
ITB7.1 a Additional clause.	A pre-bid meeting will be held on 09.12.2021 at 1.00 PM through video conference at the Office of the Superintending Engineer, Research Circle, Irrigation Research institute, Roorkee-247667 to clarify the issues and to answer questions on any matter that may be raised at the stage as stated in ITB clause 7.1 of “Instructions to Bidders” of the bidding documents. Bidders can participate in the pre-bid meeting through online or in person at office of the Undersigned. Contact Persons: Sh. Shankar Kumar Saha (Mobile:8826758368) Sh. Manish Shankar Sant (Mobile:9760664452)

	Sh. Giresh Chandra (Mobile:8791226413)
ITB 8.1	The addendum will appear on the e-procurement system under latest corrigendum in <i>www.uktender.gov.in</i> .
	C. Preparation of Bids
ITB 11.2 (b)	Bid Security in accordance with ITB 19.1;
ITB 11.2(j)	<p>The Bidder shall submit the following additional documents in its bid–technical part:</p> <ol style="list-style-type: none"> 1. Certification of incorporation of the bidder. 2. As e-procurement system is being used, there is no hard copy submission of bid. The scanned copies of original bid security, power of attorney and affidavit for correctness of information shall be uploaded along with the technical bid. 3. Only the hard copy of the power of attorney, DD of Bid Document fee, bid security and affidavit for correctness of information, requested to be submitted. 4. The bidder shall clearly confirm that all facilities exist with him (or manufacturer, as applicable) in his factory for inspection and testing and these can be accessed by the Purchaser or his representative for inspection. 5. Technical schedules of goods as required by technical specifications. 6. Descriptive Documents, drawings, notes and references of operating and assembly of mechanical parts 7. A detailed description of the Goods essential technical and performance characteristics: 8. A clause-by-clause commentary on the Purchaser's technical specifications demonstrating substantial responsiveness of the Goods and Services to those specifications in the format provided as “Technical Responsiveness Form” in Section VII Technical Specifications. 9. For purposes of the commentary to be furnished pursuant to Paragraph 6 above, the Bidder shall note that standards for workmanship, material and goods, and references to brand names and model no and catalogue designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications. 10. The documentary evidence of the goods and services eligibility shall consist of a statement in the Price Schedule on the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment 11. Non-manufacturer bidders will submit the manufacturer's authorization Form as per Proforma in Section IV. 12. The following details shall also be provided by Indian Bidders:

	<p>a) Name, address, PAN and ward/circle where they are being assessed of the Directors of the Bidding Company.</p> <p>b) Company's PAN and Income Tax clearance certificate and ward/circle where it is being assessed,</p> <p>c) Registration details of the company under GST and other law(s) as may be applicable.</p> <p>13. The bidders from outside India shall provide the corresponding details of Income Tax registration, Social Security Number, details regarding Registration under GST or sale of goods (as may be applicable) etc.</p> <p>14. The bidder shall disclose instance of previous past performance that may have resulted into adverse actions taken against the bidder during the last five years.</p> <p>15. All documentation required under Section-3 Evaluation and Qualification Criteria</p>
ITB 11.3(d)	The Bidder shall submit the following additional documents in its bid – financial part: No additional document required.
ITB 12	Note for Bidders: Bidders have to submit the bids on the e-procurement portal along with the relevant required documents. For this purpose, the bidders shall fill up online, the forms that are available for online filling on the e-portal. The rest of the forms shall be downloaded by the bidders and filled up. The filled-up pages shall then be scanned and uploaded on the e-procurement portal along with the scanned copies of the supporting documents.
ITB 12.3	For submission of original documents, the Purchaser's address is: Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee P.O. Roorkee, District-Haridwar, Uttarakhand-247667 INDIA Telephone: 91-1332-265174 Facsimile number: 01332-262792, 01332-262487 E-mail: uttarkhandwr@gmail.com
ITB 13.1	Alternative Bids " <i>shall not be</i> " considered.
ITB 14.5	The prices quoted by the Bidder " <i>shall not</i> " be subject to adjustment during the performance of the Contract.
ITB 14.7	The Incoterms edition is Incoterms 2010.
ITB 14.8 (a) (i)	Replace 14.8 (a) (i) with the following: (a) For Goods: (i) the price of the Goods quoted EXW (ex-works, ex-factory, ex warehouse, ex-showroom, or off-the-shelf, as applicable), excluding GST as applicable payable on the finished Goods;
ITB 14.8 (a) (iii)	"Final destination (Project Site)": SWIC Building, Roorkee
ITB 14.9	<i>As per latest instructions from Government of India.</i>

ITB 16.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): 10 years
ITB 17.2 (b) (i)	Manufacturer's authorization is: <i>required as per proforma in Section IV.</i>
ITB 17.2 (b) (iii)	After Sales service is required which shall be provided by the Supplier or alternatively by its Agent in case of a foreign bidder.
ITB 18.1	The bid validity period shall be 90 days after the bid submission deadline.
ITB 18.3(a)	The factor will be 1.0007692% (multiplicative) per week
ITB 19.1	A Bid-Securing Declaration shall be required.
ITB 19.3	Not used
ITB 19.3 (a)	None
ITB 19.8	Not used
ITB 19.9	If the Bidder incurs any of the actions prescribed in subparagraphs (a) or (b) of this provision, the Borrower will declare the Bidder ineligible to be awarded contracts by the Purchaser for a period of 5 years.
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: <i>Power of Attorney.</i>
ITB 20.3	Not used
	D. Online Submission and Opening of Bids
ITB 21.1	Class of DSC required is: Refer https://uktenders.gov.in
ITB 21.2	The inner and outer envelopes shall bear the following additional identification marks: <i>Not applicable because e-tendering system will take place</i>
ITB 22.1	For bid submission purposes, the Purchaser's address is: https://uktenders.gov.in The deadline for the submission of bids is: Date: 30.12.2021 Time: 3:00 PM
ITB 24.1	<i>Re-submission of the bid is allowed till the final date and time of submission.</i>
	E. Public Opening of Technical Parts of Bids
ITB 25.1	The online opening of the Technical Parts of Bids shall take place at: Office of the Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee, District-Haridwar, Uttarakhand-247667 INDIA Date: 30.12.2021 Time: 3:30 PM
	F. Evaluation of Bids – General Provisions
ITB 29.3	The adjustment shall be based on the highest price of the item or component as quoted in other substantially responsive Bids, subject to a maximum of the estimated price of the item. If the price of the item or component cannot be derived from the price of other substantially

	responsive Bids, the Purchaser shall use its best estimate.
	H. Public Opening of Financial Parts of Bids
ITB 33.2 (c)	<p>Following the completion of the evaluation of the Technical Parts of the Bids, the Purchaser will notify all those bidders; who have successfully qualified in the 1st part of the bidding process, i.e. the technical evaluation; of the date and time of the public opening of Financial Part.</p> <p>The online opening of the Financial Part of bids (for technically qualified bidders) shall take place at:</p> <p>Office of the Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee, District-Haridwar, Uttarakhand-247667 INDIA Telephone: 91-1332-265174 E-mail: uttarkhandwr@gmail.com</p>
	I. Evaluation and Comparison of Bids
ITB 34.1(a)	Evaluation will be done for whole lot i.e. complete items as a whole in one package.
ITB 34.3	Bidders “ <i>shall not</i> ” be allowed to quote separate prices for one or more lots.
ITB 34.4	<p>Replace with following:</p> <p>The Purchaser’s evaluation of a bid will exclude and not take into account:</p> <p>(a) In the case of Goods manufactured in India or goods of foreign origin already located in India, GST and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;</p> <p>(b) Not Used.</p> <p>(c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.</p> <p>But, the purchaser’s evaluation of a bid will include i) price for inland transportation, insurance, and other local services required to convey the Goods to their Final Destination; and (ii) price for Related Services, if any.</p>
ITB34.5	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <p>(a) Deviation in Delivery Schedule: Not Applicable</p> <p>(b) Deviation in Payment Schedule: Not Applicable</p> <p>(c) The cost of major replacement components, mandatory spare parts and service: Not Applicable</p> <p>(d) The availability in the Purchaser’s Country of spare parts and after- sales services for equipment offered in the Bid: Not Applicable</p> <p>(e) The project operating and maintenance cost during the life of the</p>

	equipment: Not Applicable (f) The performance and productivity of the equipment offered: Not Applicable.
	J. Award of Contract
ITB 41.1	The maximum percentage by which quantities may be increased is 15% The maximum percentage by which quantities may be decreased is 15%

SECTION III-EVALUATIONAND QUALIFICATION CRITERIA

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser shall use to evaluate a bid and determine whether a Bidder qualifies in accordance with ITB 32 &34. No other criteria shall be used.

TECHNICAL PART

1 Qualification (ITB 32)

1.1 Qualification Criteria (ITB 32.1)

The Purchaser shall assess each Bid against the following Qualification Criteria. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

I- Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

- i) Capacity to have a cash flow - The Bidder must provide a letter from a reputed bank stating the availability of liquid assets and/or credit facilities exclusively for this Contract only, of not less than **INR 22.48 Lakh or its equivalent amount in a freely convertible currency**. The availability of liquid assets and/or credit facilities should be clearly certified by Bank (Nationalized or Scheduled Bank In India) in Form-9 provided in Section IV- Bidding forms)

Or

In case the bidder does not prefer to have support from a Bank and does not require credit facilities from the Bank exclusively for the contract, the bidder shall have to submit the cash resources certificate amounting to **INR 22.48 Lakh** taking into consideration existing projects being executed by him from its Statutory Chartered Accountant.

- ii) The Minimum required annual turnover in respect of business operations for the successful Bidder in any two of the last five (5) years shall be of **INR 89.91 Lakhs or its equivalent amount in a freely convertible currency**. Period of 5 years shall be reckoned from 31st march of financial year preceding the year in which bid is published.
- iii) Further, bidder should be in continuous business of supplying and/or after sale services of furniture during the last 3 years prior to date of bid submission.
- iv) Bidder shall furnish the legal status, place of registration and principal place of business of the company or firm or partnership, etc.;
- v) Details of experience and past performance on equipment offered and on those of similar nature within the past seven years (Prior to the date of bid submission) and details of current contracts in hand and other commitments (suggested Proforma given in Section IV).
- vi) The bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the supply of the required equipment within the specified time of completion after the meeting all their current commitments.
- vii) Reports on financial standing of the bidder such as profit and loss statements, balance sheets and auditor's report for the past three years, banker's certificate, etc.
- viii) A firm can submit only one bid in the same bidding process, either individually as a bidder or as a partner of a Joint Venture. A bidder who submits or participates in more than one bid will cause all the bids in which the bidder has participated to be disqualified.

- ix) Should possess GST Registration. In case of foreign bidder, if presently bidder is not having any office(s) in India, he has to provide the GST registration certificate within one month of award of contract.

II- Experience and Technical Capacity of Bidder

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

The bidder must have supplied & installed similar items as per schedule of requirement to the extent of at least 30% total in any two year during a period of last 7 years from the last date of submission of bid document and should be in use satisfactorily with no adverse report for at least one year preceding the date of bid opening.

i) Manufacturer Authorization for Furniture

If the bidder is not the manufacturer furniture, the bidder shall furnish a legally enforceable authorization from manufacturer in the prescribed Form [Section-IV] assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered;

If the bidder, himself is a manufacturer furniture, then a self-authorization suffices.

- III- The bidder should have after sales support in the region (within a radius of 500 km from the State Capital). If bidder does not have any after sales support office within 500 km from state Capital at the time of bidding, he shall require establishing the same within one month after successful award of contract
- IV- Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or record of poor performance such as, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

FINANCIAL PART

2. Margin of Preference (ITB 37) – Not Applicable

3. Evaluation (ITB 30, 31, and 34)

3.1. Evaluation Criteria (ITB 34.5)

The Purchaser shall use the criteria and methodologies listed in this Section to evaluate Bids. By applying the criteria and methodologies, the Purchaser shall determine the substantially responsive lowest-evaluated bid.

3.2. Multiple Contracts (ITB 34.3) deleted

Not Applicable as bid consists of a single schedule.

SECTION IV – BIDDING FORMS

1A. LETTER OF BID– TECHNICAL PART

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and address.

Note: All italicized text is for use in preparing these forms and shall be deleted from the final products.

No alterations to the text except as provided in ITB20.2 shall be permitted and no substitutions shall be accepted except as provided in ITB 12.]

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

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

Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No. issued in accordance with ITB 8: *[insert the number and issuing date of each Addenda]*;
- (b) We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid Securing Declaration in the Purchaser's country in accordance with ITB 4.6;
- (d) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services ***[insert a brief description of the Goods and Related Services]***;
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 22, 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) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 4.2(e), other than alternative bids submitted in accordance with ITB 13;
- (h) We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the World Bank Group or a debarment imposed by the World Bank Group in accordance with the Agreement for Mutual Enforcement of Debarment Decisions between the World Bank and other development banks. Further, we are not ineligible under the Purchaser's Country laws or official regulations or pursuant to a decision of the United Nations Security Council;

- (i) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB 4.5;¹
- (j) 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;
- (k) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive;
- (l) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption; and
- (m) We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely, "Prevention of Corruption Act 1988."

Name of the Bidder ***[insert complete name of person signing the Bid]***

Name of the person duly authorized to sign the Bid on behalf of the Bidder** ***[insert complete name of person duly authorized to sign the Bid]***

Title of the person signing the Bid ***[insert complete title of the person signing the Bid]***

Signature of the person named above ***[insert signature of person whose name and capacity are shown above]***

Date signed ***[insert date of signing]*** day of ***[insert month]***, ***[insert year]***

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules.

¹*Bidder to use as appropriate*

1B. LETTER OF BID- FINANCIAL PART

The Bidder must prepare the Letter of Bid on stationery with its letterhead clearly showing the Bidder's complete name and address.

Note: All italicized text is for use in preparing these forms and shall be deleted from the final products.

No alterations to the text except as provided in ITB 20.2 shall be permitted and no substitutions shall be accepted except as provided in ITB 12.]

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

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

Invitation for Bid No.: *[insert No of IFB]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned Bidder, hereby submit the second part of our Bid, the Financial Part. In submitting our Financial Part we make the following additional declarations:

- (a) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 22, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (b) The total price of our Bid, excluding any discounts offered in item (c) below, is:

In case of only one lot, total price of the Bid ***[insert the total price of the bid in words and figures]***;

In case of multiple lots, total price of each lot ***[insert the total price of each lot in words and figures]***;

In case of multiple lots, total price of all lots (sum of all lots) ***[insert the total price of all lots in words and figures]***;

- (c) The discounts offered and the methodology for their application are:
 - (i) The discounts offered are: ***[Specify in detail each discount offered.]***
 - (ii) The exact method of calculations to determine the net price after application of discounts is shown below:***[Specify in detail the method that shall be used to apply the discounts]; Discounts.***
- (d) 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: ***[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]***

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

(If none has been paid or is to be paid, indicate “none.”)

- (e) 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.

Name of the Bidder ***[insert complete name of person signing the Bid]***

Name of the person duly authorized to sign the Bid on behalf of the Bidder** ***[insert complete name of person duly authorized to sign the Bid]***

Title of the person signing the Bid ***[insert complete title of the person signing the Bid]***

Signature of the person named above ***[insert signature of person whose name and capacity are shown above]***

Date signed ***[insert date of signing]*** day of ***[insert month]***, ***[insert year]***

** : Person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules.

2. BIDDER INFORMATION FORM

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[insert date (as day, month and year) of Bid Submission]*
NCB No.: *[insert number of bidding process]*

Page _____ of _____ pages

1. Bidder's Legal Name *[insert Bidder's legal name]*
2. Bidder's actual or intended Country of Registration: *[insert actual or intended Country of Registration]*
3. Bidder's Year of Registration: *[insert Bidder's year of registration]*
4. Bidder's Legal Address in Country of Registration: *[insert Bidder's legal address in country of registration]*
5. Bidder's Authorized Representative Information
Name: *[insert Authorized Representative's name]*
Address: *[insert Authorized Representative's Address]*
Telephone/Fax numbers: *[insert Authorized Representative's telephone/fax numbers]*
Email Address: *[insert Authorized Representative's email address]*
6. Attached are copies of original documents of: *[check the box(es) of the attached original documents]*
 - Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.3.
 - In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law and not dependent agency of borrower or sub-borrower or purchaser, in accordance with ITB Sub-Clause 4.5.
 - Included are the organizational chart ,a list of Board of Directors, and the beneficial ownership

3. Joint Venture Partner Information Form N/A

[The Bidder shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Bidder and for each member of a Joint Venture].

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

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

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

Page _____ of _____ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>
2. Bidder's JV Member's Legal Name: <i>[insert JV's Member legal name]</i>
3. Bidder's JV Member's country of registration: <i>[insert JV's Member country of registration]</i>
4. Bidder's JV Member's year of registration: <i>[insert JV's Member year of registration]</i>
5. Bidder's JV Member's legal address in country of registration: <i>[insert JV's Member legal address in country of registration]</i>
6. Bidder's JV Member's authorized representative information Name: <i>[insert name of JV's Member authorized representative]</i> Address: <i>[insert address of JV's Member authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Member authorized representative]</i> Email Address: <i>[insert email address of JV's Member authorized representative]</i>
7. Attached are copies of original documents of <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.3. <input type="checkbox"/> In case of a Government-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and absence of dependent status, in accordance with ITB 4.5.

Price Schedule Forms
(Not to be submitted with Technical Bid)

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

A.PRICE SCHEDULE FOR SUPPLY OF GOODS AS PER SCHEDULE OF REQUIREMENT

							Date: _____		
							NCB No.: _____		
							Alternative No: _____		
							Page No. _____ of _____		
1	2	3	4	5	6	7	8	9	10
Line Item No	Description of Goods	Country of Origin	Delivery Date	Quantity and physical unit	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST Amount in INR Rs. P	TOTAL AMOUNT Without Taxes col (8) = (5) x (6) in Rs. P	TOTAL AMOUNT With Taxes col (9) = sum (7) to (8) in Rs. P	TOTAL AMOUNT In Words
Supply & Installation of the following item including warranty period as per technical specifications									
1	Steel Book Case with Glass Doors		<i>3 months from date of signing of contract</i>	14 No.					
2	Steel Vertical Filing Cabinet		<i>3 months from date of signing of contract</i>	16 No.					
3	Revolving Chair (Conference Room)		<i>3 months from date of signing of contract</i>	35 No.					
4	Revolving Chair with Headrest		<i>3 months from date of signing of contract</i>	12 No.					
5	Single Bed without storage		<i>3 months from date of signing of contract</i>	1 No.					
6	Center Table 1000 mm X 650 mm		<i>3 months from date of signing of contract</i>	4 No.					
7	Executive Table 2100x2250x750 mm		<i>3 months from date of signing of contract</i>	8 No.					
8	Credenzas/ Back Unit		<i>3 months from date of signing of contract</i>	1 No.					

9	Revolving Chair		<i>3 months from date of signing of contract</i>	16 No.					
10	Double Bed		<i>3 months from date of signing of contract</i>	1 No.					
11	Steel Almirah with Glass Door		<i>3 months from date of signing of contract</i>	20 No.					
12	Visitor Chair 450X470X430 mm		<i>3 months from date of signing of contract</i>	106 No.					
13	Revolving Chair with High Back		<i>3 months from date of signing of contract</i>	6 No.					
14	Vistor Chair 500X500X480 mm		<i>3 months from date of signing of contract</i>	38 No.					
15	Executive Table 2350 with ERU 1200		<i>3 months from date of signing of contract</i>	1 No.					
16	Back unit 2350W X 500D X 1800H mm		<i>3 months from date of signing of contract</i>	1 No.					
17	Office Table 1650x750 mm		<i>3 months from date of signing of contract</i>	17 No.					
18	Executive Table 1650X750x750 mm with ERU 1200		<i>3 months from date of signing of contract</i>	7 No.					
19	3 Seater chair		<i>3 months from date of signing of contract</i>	2 No.					
20	1 Seater Sofa		<i>3 months from date of signing of contract</i>	2 No.					
21	2 Seater Sofa		<i>3 months from date of signing of contract</i>	1 No.					
22	Steel Almirah 1855 mm		<i>3 months from date of signing of contract</i>	13 No.					
23	Mattress 1981 X 914 mm		<i>3 months from date of signing of contract</i>	1 No.					
24	Meeting Table 4 Seater		<i>3 months from date of signing of contract</i>	4 No.					
25	Office Table 1372x600 mm		<i>3 months from date of signing of contract</i>	1 No.					

Section IV-BIDDING FORMS

26	Dining Chair		<i>3 months from date of signing of contract</i>	4 No.					
27	Conference Table 12 seater		<i>3 months from date of signing of contract</i>	1 No.					
28	Conference Table 24 seater		<i>3 months from date of signing of contract</i>	1 No.					
29	Reception Table		<i>3 months from date of signing of contract</i>	1 No.					
30	Mattress 78x72 inches		<i>3 months from date of signing of contract</i>	1 No.					
31	Corner Table		<i>3 months from date of signing of contract</i>	1 No.					
32	Curtain Blackout Roller Blind		<i>3 months from date of signing of contract</i>	357.8 Sqm					
33	Curtain		<i>3 months from date of signing of contract</i>	390 mtr					
34	Curtain Road		<i>3 months from date of signing of contract</i>	295 ft.					
							Total Price [excluding GST] (A) Rs		
							GST Rs.		

*GST to be quoted item-wise as per HSN Code

Name of Bidder [insert complete Name of Bidder]

Signature of Bidder [signature of person signing the Bid]

Date [insert date]

B.PRICE AND COMPLETION SCHEDULE - RELATED SERVICES

Prices (in Rs.)							Date: _____			
							NCB No: _____			
							Alternative No: _____			
							Page No. _____ of _____			
1	2	3	4	5	6	7	8	9	10	
Serv ice No	Description of Services (excludes inland transportation and other services required in India to convey the goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	BASIC RATE In Figures To be entered by the Bidder in Rs. P	GST Amount in INR Rs. P	TOTAL AMOUNT Without Taxes col (8) = (5) x (6) in Rs. P	TOTAL AMOUNT With Taxes col (9) = sum (7) to (8) in Rs. P	TOTAL AMOUNT In Words	
				Total [Excluding GST] Rs. (B)						
				GST						
*GST to be quoted item wise as per HSN Code				Total Bid (A + B) Price Rs.						
Name of Bidder <i>[insert complete name of Bidder]</i>										
Signature of Bidder <i>[signature of person signing the Bid]</i>										
Date <i>[insert date]</i>										

6. Form of Bid-Securing Declaration

[The Bidder shall fill in this Form in accordance with the instructions indicated.]

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

Bid No.: *[number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[complete name of Purchaser]*

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Purchaser for the period of time of 5 years starting on *{Insert Bid Submission End Date}*, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid during the period of bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract; or (ii) fail or refuse to furnish the Performance Security, if required, in accordance with the ITB.

We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Name of the Bidder* _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder** _____

Title of the person signing the Bid _____

Signature of the person named above _____

Date signed _____ day of _____, _____

*: In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** : Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the bid.]

7. MANUFACTURER’S AUTHORIZATION

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are legally binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

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

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

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer’s factories]*, do hereby authorize *[insert complete name of 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 against the above IFB.

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

We as a manufacturer of *[insert type of goods manufactured]* confirm to provide the spare & service support for a minimum period of 10 years after commissioning

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 Bidder]*

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

Note – Modify this format suitably in cases where manufacturer’s warranty and guarantee are not applicable for the items for which bids are invited. If the supply consists of number of items, indicate the specific item (s) for which alone the above authorization is required.

8. DECLARATION FOR CLAIMING TAX/DUTY EXEMPTION²

(Name of the Project)

Bid No.

Description of item to be supplied

.....
.....
.....

(Information for issue of certificate for claiming exemption of Tax/ Duty in terms of Government of India’s relevant notification)

(Bidder’s Name and Address):

**To
(Name of Purchaser)**

.....

Dear Sir:

1. We confirm that we are solely responsible for obtaining deemed export benefits which we have considered in our bid and in case of failure to receive such benefits for reasons whatsoever, Purchaser will not compensate us.
2. We are furnishing below the information required by the Purchaser for issue of necessary certificate in terms of Government of India’s relevant notification.

(i) Ex-factory price per unit on which the tax/duties payable: *Rs. _____

(ii) No of Units to be supplied: _____

(iii) Total cost on which the tax/duties payable (Rs.) _____

(The requirements listed above are as per Current notifications. These may be modified, as necessary, in terms of the rules in force)

(Signature) _____
 (Printed Name) _____
 (Designation) _____
 (Common Seal) _____

** Please attach details item-wise with cost, if there is more than one item. The figures indicated should tally with what is given in the price schedule.*

² This declaration refers to ITB 14.9 and shall be retained only if ITB 14.9 is retained. The format may be modified as per the latest instructions of Government of India.

9. PERFORMA FOR PERFORMANCE STATEMENT

[Please see ITB Clause 36.2 and Section III-Evaluation and Qualification Criteria]

Proforma for Performance Statement (for a period of last five years)

Bid No. _____

Date of opening _____ Time _____ Hours

Name of the Firm _____

Order placed by (full address of Purchaser)	Order No. and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery		Remarks indicating reasons for late delivery, if any	Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee)
				As per contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder _____

**10. FORMAT FOR EVIDENCE OF ACCESS TO OR
AVAILABILITY OF CASH FLOW**

(To be provided on the letter head of the Bank)

AVAILABILITY OF CASH FLOW (WORKING CAPITAL)

(This should be given in this form only by a nationalized or scheduled bank in India. No other substitute will be acceptable)

This is to certify that M/s. _____ is a reputed company with a good financial standing.

If the contract for the works, namely _____ [funded by the World Bank] is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of INR _____ to meet their capital requirements for executing the above contract.

-- Sd. --

Name of Bank Manager

Senior Bank Manager

Address of the Bank

SECTION VI – Bank Policy - Corrupt and Fraudulent Practices

SECTION V. – ELIGIBLE COUNTRIES

Public Information Center

**Eligibility for the Provision of Goods, Works and Non-Consulting Services in
Bank-Financed Procurement**

In reference to ITB 4.7 and 5.1, for the information of the Bidders, at the present time firms, goods and services from the following countries are excluded from this bidding process:

Under ITB 4.7(a) and 5.1: *None*

Under ITB 4.7(b) and 5.1: *None*

SECTION VI. BANK POLICY - CORRUPT AND FRAUDULENT PRACTICES

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011.

“Fraud and Corruption:

1.16 It is the Bank’s policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.³ In pursuance of this policy, the Bank:

- (a) Defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;⁴;
 - ii) “fraudulent practice” is 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;⁵
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;⁶
 - (iv) “coercive practice” is 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;⁷
 - (v) "obstructive practice" is:
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators

³ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

⁴ For the purpose of this sub-paragraph, “*another party*” refers to a public official acting in relation to the procurement process or contract execution. In this context, “*public official*” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

⁵ For the purpose of this sub-paragraph, “*party*” refers to a public official; the terms “*benefit*” and “*obligation*” relate to the procurement process or contract execution; and the “*act or omission*” is intended to influence the procurement process or contract execution.

⁶ For the purpose of this sub-paragraph, “*parties*” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other’s bid prices or other conditions.

⁷ For the purpose of this sub-paragraph, “*party*” refers to a participant in the procurement process or contract execution.

SECTION VI – Bank Policy - Corrupt and Fraudulent Practices

in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or

- (bb) acts intended to materially impede the exercise of the Bank’s inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare mis-procurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank’s sanctions procedures,⁸ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated⁹;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.”

⁸ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank’s sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

⁹ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

PART 2 - SUPPLY REQUIREMENTS

SECTION VII – SCHEDULE OF REQUIREMENTS

List of Goods and Delivery Schedule

Line Item No	Description of Item	Quantity	Physical Unit	Final (Project Site) Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date	Latest Delivery Date	Bidders offered delivery date
1	Steel Book Case with Glass Doors	14.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
2	Steel Vertical Filing Cabinet	16.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
3	Revolving Chair (Conference Room)	35.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
4	Revolving Chair with Headrest	12.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
5	Single Bed without storage	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
6	Center Table 1000 mm X 650 mm	4.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
7	Executive Table 2100x2250x750 mm	8.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
8	Credenzas/ Back Unit	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
9	Revolving Chair	16.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
10	Double Bed	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
11	Steel Almirah with Glass	20.0	Nos.	SWIC, Roorkee	<i>3 months from date of</i>	<i>3 months from date of</i>	

SECTION VII – SCHEDULE OF REQUIREMENTS

	Door				<i>signing of contract</i>	<i>signing of contract</i>	
12	Visitor Chair 450X470X430 mm	106.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
13	Revolving Chair with High Back	6.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
14	Vistor Chair 500X500X480 mm	38.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
15	Executive Table 2350 with ERU 1200	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
16	Back unit 2350W X 500D X 1800H mm	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
17	Office Table 1650x750 mm	17.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
18	Executive Table 1650X750x750 mm with ERU 1200	7.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
19	3 Seater chair	2.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
20	1 Seater Sofa	2.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
21	2 Seater Sofa	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
22	Steel Almirah 1855 mm	13.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
23	Mattress 1981 X 914 mm	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
24	Meeting Table 4 Seater	4.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
25	Office Table 1372x600 mm	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	

SECTION VII – SCHEDULE OF REQUIREMENTS

26	Dining Chair	4.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
27	Conference Table 12 seater	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
28	Conference Table 24 seater	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
29	Reception Table	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
30	Mattress 78x72 inches	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
31	Corner Table	1.0	Nos.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
32	Curtain Blackout Roller Blind	357.8	Sqm	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
33	Curtain	390.0	mtr	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	
34	Curtain Road	295.0	ft.	SWIC, Roorkee	<i>3 months from date of signing of contract</i>	<i>3 months from date of signing of contract</i>	

TECHNICAL SPECIFICATIONS

BACKGROUND

Irrigation Research Institute, Roorkee (IRI) is a unit of Irrigation Department, Govt. of Uttarakhand. IRI was established to carry out Research and Development work under the aegis of the U. P. Irrigation Department in the year 1928 as a small research unit in Lucknow. The success of this small unit was duly acknowledged and in 1945 activities were expanded and were shifted to Bahadrabad (Roorkee) in 1946, where facilities in abundance were available for the physical modeling of hydraulic structures.

The research unit at Roorkee rose to a full-fledged Institute in 1954. The Institute gradually developed into a pioneer research station and is now engaged in research and development activities for many hydropower and water resources projects in India. After formation of new State Uttarakhand in Nov., 2000, IRI became a unit of Irrigation Department, Uttarakhand.

Irrigation Research Institute is represented in advisory capacity on several national technical committees of BIS, CBI&P, IRC and MOST. The Institute maintain a close liaison with several technical committees of Water Resources Development Council (WRDC), BIS, Manak Bhawan, New Delhi, Departments of Civil Engineering, Water Resources Development and Management (WRD&M), and Alternate Hydro Energy Centre (AHEC), Indian Institute of Technology, Roorkee, Central Board of Irrigation and Power, New Delhi, National Institute of Hydrology, Roorkee, Central Building Research Institute, Roorkee, State Engineers Academy, Roorkee, etc. in its research activities.

The institute was awarded by several prestigious awards. Recently Irrigation Research Institute Roorkee was chosen for best R&D institute in water resources sector award 2019 by Central Board of Irrigation and Power, New Delhi. (For more details, refer to the website of IRI <http://www.iri.res.in>).

Based on the successful outcome of the past two phases of the Hydrology Project, the Government of India with World Bank assistance initiated a follow up project – National Hydrology Project (NHP)-Approach towards Integrated Water Resources Management (www.indiawrm.org). The National Hydrology Project (NHP) will be implemented in eight years (2017-2024) with the funding of USD 350 million.

The project aims to improve the extent, quality, and accessibility of water resources information and strengthen the capacity of targeted water resources management institutions in India. The Project will cover the entire country and will be coordinated by the MoWR, RD & GR. The Project has adopted a four-pronged approach: (a) modernizing monitoring, including establishing comprehensive, nationwide, automated, real-time monitoring and data management systems for surface water and groundwater (both quality and quantity); (b) enhancing analytical tools for water resources assessment, hydrologic and flood inundation forecasting, water infrastructure operations, groundwater modelling, and river basin and investment planning; (c) transforming knowledge access, using cloud computing, Internet, mobile devices, social media and other communication tools to modernize access to and visualization of customized water information by all stakeholders; and (d) modernizing institutions through investments in people and institutional capacity.

In line with the four-pronged strategy described above, the project is divided into four components: (A) Water resources monitoring systems; (B) Water resources information systems; (C) Water resources operations and planning systems; and (D) Institutional capacity enhancement. Essentially the data systems (A) will feed into the information systems (B) to improve planning and operations and to produce water information products (B and C), all of which will provide the basis for improved decision-making related to investment planning, water resources allocation, flood and drought management, and irrigation capacity and efficiency. Technical capacity for systems, planning, operations and policy and decision-making will be built under Component D.

The key outcomes of the project are listed below:

- To establish a National Water Information System with multi-disciplinary data from States and Central agencies and to facilitate data exchange amongst agencies on a real time basis
- To create National information system with generic models for improved water resources assessment
- To enable states to manage floods and dry season operation by using a river basin approach
- To operate reservoirs and irrigation systems more efficiently leading to water savings and improved productivity.

The project will cover all major river basins of India and will require strong collaboration among Central and State levels of government. All States and Union Territories will participate in the Project given their constitutional mandate for water resources management. Central agencies will also participate given significant inter-State aspects of water management (most large river basins and aquifers cross State boundaries) and the need for a consistent National Water Information Base. For the implementation of NHP in Uttarakhand State, Irrigation Department, Govt. of Uttarakhand has been nominated as State Implementing Agency for Uttarakhand State by Department of WR, RD & GR, Ministry of Jal Shakti, Govt. of India. Irrigation Department, Govt. of Uttarakhand has nominated IRI for implementing NHP in the State of Uttarakhand as nodal agency.

Under component C of NHP, one of the major activities is to undertake flood modelling, early warning and forecasting studies. IRI will develop this activity with the assistance from a consortium of International and National Consultants in Uttarakhand. Consultancies will support an integrated river basin approach including flood forecasting, stream flow prediction and water resources assessment integrating surface water, ground water and water quality. Accordingly, installation of RTDAS in Uttarakhand State will be executed flood modelling, real time flood forecasting, early warning and forecasting studies for Ganga basin viz. Ganaga, Yamuna, Ramganga and Sarda (Kali) sub-basins in the territory of Uttarakhand State.

3.1 TECHNICAL SPECIFICATIONS

Item No. 1: Steel Book Case with Glass Doors

S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Type of lock	Cam lever lock with common key
	Number of Doors	4
	Mechanism	Scissor mechanism for receding inside the top of respective component
2	MATERIAL	
	Thickness of MS Sheet used for Shutter	Min. 0.8 mm
	Thickness of MS Sheet used for Shelf	Min. 0.8 mm
	Thickness of MS Sheet used for Top, Bottom, Back and Sides	Min. 0.7 mm
	Material of Handle	Plastic Handle
	Thickness of Transparent glass in Shutters	Min. 4.0 mm
3	DIMENSION	
	Height of Steel Bookcase	1742.0 ± 10 mm
	Width of Steel Bookcase	914.0 ± 10 mm
	Depth of Steel Bookcase	305 mm ± 10 mm
	Paint	Powder Coated
	Colour of Paint	Prince Gray
4	WARANTEE	1 year
5	CERTIFICATION	Greenguard by UL Enviornment, GRIHA & SVAGRIHA

Item No. 2: Steel Vertical File Cabinet

S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Number of Drawers	4
	Label holder Provided	Yes
	Drawer suspension	Ball Slide
	Lock	Yes
	Locking Mechanism	Central locking mechanism
	Loading Capacity of drawer	40 ± 2 Kg
2	MATERIAL	
	Sheet Thickness of Side, Back, Top and bottom	0.7 (± 5%) mm
	Sheet Thickness of Filing Drawer	0.6 (± 5%) mm
	Clutch compressor strip or Cradle strip	MS Sheet
3	DIMENSION	
	Overall Height	1300 ± 10 mm
	Width	475 ± 10 mm

SECTION VII – SCHEDULE OF REQUIREMENTS

	Depth	600 ± 10 mm
	Height of each Drawer	300 ± 10 mm
4	COLOUR & FINISH	
	Colour of Paint	Prince Gray
	Finish	Powder Coated
5	WARANTEE	1 Year
6	CERTIFICATION	Greenguard By UL Environment

Item No. 3: Revolving Chair (Conference Room)		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size
	Arm Material	Aluminium covered with PU Foam
	Seat material	PU Foam covered with Fabric
	Density of PU foam used in seat	45 ±3 Kg/m ³
	Material of Fabric Back Cover/ Material for Backrest	Inner frame Upholstered with Mesh fabric and mounted on main assembly
	Material of Fabric of Seat Cover	100% polyester fabric
	GSM/Thickness of fabric	250 (±5%) gms/m ²
2	GENERAL	
	Chair Type	Advance Bio Synchronic
	Tilt Tension Adjustment	Yes
	Height Adjustment	up to 100 mm
	Arm	Yes
	Type of backrest support	Backrest with adjustable lumber support
	Arm Type	Adjustable
	Colour of Fabric for Seat and Backrest	Black
	Ergonomic Seat Design	Yes
	Back type	Push Back
	Backrest is made of one pcs injection moulded frame	Backrest is made of one piece injection moulded frame
	Seat type	Sliding
	Seat is curved	Yes
	Locking mechanism	Yes
	Type of locking	5-Position Locking
	Number of arm movement	4 (up & down end left & right)
	Lumber support	Integrated
3	DIMENSION	
	Overall Chair Height	1080 ±15 mm

SECTION VII – SCHEDULE OF REQUIREMENTS

	Backrest Height	600 ±15mm
	Backrest Width	440 ±10mm
	Seat Height	450 ±15 mm
	Seat Width	500 ±15 mm
	Seat Depth	500 ±15 mm
	Thickness of MS Plate Joining the under structure with Seat	2 mm
	Padestal Size (Diameter in mm)	650 ±10 mm
	Thickness of Polyurethane Foam Used in Seat	50 ± 2 mm
4	WARANTEE	1-Year
5	CERTIFICATION	Greenguard GOLD by UL Environment, GRIHA & SVAGRIHA, BIFMA Level 2

Item No. 4: Revolving Chair with Headrest		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size
	Arm Material	aluminium covered with pu
	seat material	PU Foam covered with Fabric
	Density of PU foam used in seat Kg/m ³	45 ± 3 Kg/m ³
	Material of Fabric Back Cover / Material for Backrest	Innner frame Upholstered with Mesh fabric and mounted on main assembly
	Material of Fabric of Seat Cover	100% polyester fabric
	GSM/Thickness of fabric	250 (±5%) gms/m ²
2	GENERAL	
	Chair Type	Advance Bio Synchronic
	Tilt Tension Adjustment	Yes
	Height Adjustment	up to 100 mm
	Arm	Yes
	Type of backrest support	Backrest with adjustable lumber support
	Arm Type	Adjustable
	Colour of Fabric for Seat and Backrest	Black
	Ergonomic Seat Design	Yes
	Back type	Push Back
	Backrest is made of two pcs injection moulded frame	Backrest is made of one piece injection moulded frame
	Seat type	Sliding
	Seat is curved	Yes
	Locking mechanism	Yes

SECTION VII – SCHEDULE OF REQUIREMENTS

	Type of locking	5-Position Locking
	Number of arm movement	4 (up & down end left & right)
	Lumber support	Integrated
3	DIMENSION	
	Overall Chair Height	1080 ±15 mm
	Backrest Height	600 ±15 mm
	Backrest Width	440 ±10 mm
	Seat Height	450 ±15 mm
	Seat Width	500 ±10 mm
	Seat Depth	500 ±10 mm
	Thickness of MS Plate Joining the under structure with Seat	2 mm
	Padestal Size (Diameter in mm)	650 ±10 mm
	Thickness of Polyurethane Foam Used in Seat	50 ±2 mm
4	WARANTEE	1-Year
5	CERTIFICATION	Greenguard GOLD by UL Environment, GRIHA & SVAGRIHA, BIFMA Level 2

Item No. 5: Single Bed without Storage		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Material of Mattresses Panel	Other wood
	Material of Bottom Panel of Storage Box	Three layer prelamated particles board (Wood product) of grade II type II of IS 12823/Latest
	Material of Front, Back and side Panels	Three layer prelamated particles board (Wood product) of grade II type II of IS 12823/Latest
	Material of Headrest	Three layer prelamated particles board (Wood product) of grade II type II of IS 12823/Latest
	Material of Legrest	Three layer prelamated particles board (Wood product) of grade II type II of IS 12823/Latest
2	GENERIC	
	Type of Bed	Single Bed
	Material of Bed Frame	Three layer prelamated particles board (Wood product) of grade II type II of IS 12823/Latest
	Headrest provided	Yes
	Leg rest provided	Yes
	Number of Openings (Nos)	1

SECTION VII – SCHEDULE OF REQUIREMENTS

	Top Panel have Supports from all the four sides	YES
	Leg Details	Metal Legs
	Number of Supports under Bottom Panel of storage box (Nos)	5
3	DIMENSIONS	
	Mattress Fixing Length	2000 ±10 mm
	Mattress Fixing Width	915 ±10 mm
	Mattress Panel Height	200 ±5 mm
	Thickness of Mattresses Panel	19 ±1 mm
	Thickness of Bottom Panel of Storage Box	9 ±1 mm
	Thickness of Front, Back and Side Panels	18 ±2 mm
	Thickness of material of Headrest	18 ±2 mm
	Overall Height of Headrest	900 ±5 mm
	Length of Headrest	915 ±10 mm
	Thickness of material of Legrest	18 ±2 mm
	Overall Height of Legrest	450 ±5 mm
	Overall Length of Legrest	915 ±10 mm
	Size OF SUPPORT for Top Panel	70 (±2) x 17 (±2) mm ²
	Size of Supports on under Bottom Panel of storage box	50 (±2) x 25 (±2) mm ²
4	COLOUR & FINISHING	
	Finish	Laminated
	Colour of Lamination	Plain
5	WARANTEE	1 Year

Item No. 6: Center Table 1000 mm X 650 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Top material	Tempered Glass
	Frame material	Other wood
	Leg material	Other wood
	Material of Under structure supporting the top	Other wood
	Storage material	Glass
	Shoes Material	Nylon
2	GENERIC	
	Mode of supply	Knocked down to be assembled at Consigning site by the seller
	Shape of the Centre table	Rectangular
	Style of Centre Table	Supported by set of Legs
	Design of centre table	With four legs only
	Number of storage under top	Single storage in bottom portion
3	DIMENSION & THICKNESS	

SECTION VII – SCHEDULE OF REQUIREMENTS

	Dimension of Top (length X Breadth) ± 20 mm	1000 (± 20) X 650 (± 20) mm ²
	Height of centre table	430 \pm 10 mm
	Thickness of top material	10 \pm 2 mm
	Thickness of leg material	35 mm X 35 mm
4	MISC	
	Connecting of leg	Adjacent side of leg
	Number of buffers	Four number at bottom
5	COLOUR & FINISH	
	Table top finish	Natural
6	WARRANTY	1 Year

Item No. 7: Executive Table 2100X2250X750 mm		
S. No.	Description	Required Specification and standards as per bidding document
1	GENERIC	
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller
	Frame type	Free standing
	Understructure of table	Gable end and modesty panel
	Storage provided	One side
2	MATERIAL	
	Table top Material	MDF board of grade SBG II of IS 12406/Latest
	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest
3	MISC	
	Table top long sides	To be post form half round profile
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Number of buffers provided	4 Nos. at bottom
4	DIMENSION	
	Thickness of table top	25 \pm 2 mm
	Thickness of gable end and modesty panel	25 \pm 2 mm
	Length of table top	2100 \pm 10 mm
	Depth of table	1050 \pm 10 mm
	Height of table	750 \pm 5 mm
5	STORAGE UNIT	

SECTION VII – SCHEDULE OF REQUIREMENTS

	Number of Storage unit provided	Single storage
	Width of storage unit	450 ±10 mm
	Depth of storage unit in	750 ±10 mm
	Height of smallest storage unit	125 ±5 mm
	Height of largest storage unit	305 ±5 mm
8	COLOUR & FINISH	
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side
	Table top shade	Oak
9	WARRANTY	1 Year
10	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 8: Credenzas/Back Unit		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL & MATERIAL THICKNESS	
	Material specification	Prelaminated particle board of grade II type III of IS 12823/Latest. Both side laminated. Outer side laminated with shade matching with top shade and facia shade and having balancing laminate of 0.5mm thickness on other side
	Material thickness of complete body, Fascia and drawer/compartment	25 mm
	Material thickness for back, partition and drawer bottom/compartment shelves	25 ±2 mm
	Skirting Thickness	12 mm
	All plain panels edge to be banded	With 0.8-1.0 mm thick PVC tape with the help of hot melt glue
2	GENERIC	
	Mode of supply	Knocked Down to be assembled at consignee site by the seller
	Design of credenza unit	Compartments (With Shelves) only
	Number of compartments with shelves	Two Nos
	Number of shelves in each compartment	One Nos
	Number of compartment without shelves	Two Nos
	Number of partition for compartment	One Nos
	Type of doors for compartments	Sliding shutter
	Number of doors	Two Nos

SECTION VII – SCHEDULE OF REQUIREMENTS

3	DIMENSION	
	Width of Back Unit	1700 ± 20 mm
	Height of Back Unit	2000 ± 20 mm
	Depth of Back Unit	510 ± 20 mm
4	MISC	
	Preservation treatment	YES
	Locking System provided	YES
	Handles for Drawer/Compartment	Corrosion Resistance Metal
	Openables shutter hung on side of the compartment	With help of auto closing hinges of O cracking overlay type
	Number of Buffer provided at the bottom	6
5	COLOUR & FINISH	
	Colour	Oak
	Material finish	Swede finish
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 9: Revolving Chair		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Pedestal Base	Glass Fibre Nylon with ABS/ NylonTwin Caster Wheels Minimum 5 Nos, of 50 mm Size
	Arm Material	Proppylene
	seat material	PU Foam covered with Fabric
	Density of PU foam used in seat	55 ±3 kg/m ³
	Material of Fabric Back Cover / Material for Backrest	Innner frame Upholstered with Mesh fabric and mounted on main assembly
	Material of Fabric of Seat Cover	100% polyester fabric
	GSM/Thickness of fabric Gram/Square meter)	250 (±5%) gms/m ²
2	GENERAL	
	Chair Type	Knee Tilt Synchronic
	Tilt Tension Adjustment	Yes
	Height Adjustment	up to 100 mm or better
	Arm	Yes
	Type of backrest support	Backrest with adjustable lumber support
	Arm Type	Adjustable
	Colour of Fabric for Seat and Backrest	Black
	Ergonomic Seat Design	Yes
	Back type	Push Back

SECTION VII – SCHEDULE OF REQUIREMENTS

	Backrest is made of two pcs injection moulded frame	Backrest is made of one piece injection moulded frame
	backrest has separate adjustable headrest	Yes
	Seat type	Fixed
	Seat is curved	Yes
	Locking mechanism	Yes
	Type of locking	4-Position Locking
	Number of arm movement	2 (up & down)
	Lumber support	Integrated
3	DIMENSION	
	Overall Chair Height	1140 ±15 mm
	Backrest Height	650 ±15 mm
	Backrest Width	440 ±10 mm
	Seat Height	450 ±15 mm
	Seat Width	480 ±10 mm
	Seat Depth	520 ±10 mm
	Thickness of MS Plate Joining the under structure with Seat	1.2 mm
	Thickness of Plywood used in Seat	12 ±1 mm
	Padestal Size (Diameter in mm)	650 ±10 mm
	Thickness of Polyurethane Foam Used in Seat	45 ±2 mm
4	WARANTEE	1-Year
5	CERTIFICATION	Greenguard GOLD by UL Environment, GREEN PRO

Item No. 10: Double Bed		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Material of Mattresses Panel	Other wood
	Material of Bottom Panel of Storage Box	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest
	Material of Front, Back and side Panels	MDF Board Conforming To IS:12406(Grade SBG I)
	Material of Headrest	MDF board conforming to is 12406 grade SBG I
	Material of Legrest	MDF board conforming to is 12406 grade SBG I
2	GENERIC	
	Type of Bed	Double Bed
	Material of Bed Frame	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest

SECTION VII – SCHEDULE OF REQUIREMENTS

	Headrest provided	Yes
	Legrest provided	Yes
	Opening of Storage Box	Opening from Side
	Number of Openings (Nos)	2
	Top Panel have Supports from all the four sides	Yes
	Leg Details	Metal Legs
	Number of Supports under Bottom Panel of storage box (Nos)	3
3	DIMENSIONS	
	Mattress Fixing Length	1830 ±10 mm
	Mattress Fixing Width	1830 ±10 mm
	Mattress Panel Height	200 ±5 mm
	Depth of Storage Box	850 ±10 mm
	Thickness of Mattresses Panel	19 ±1 mm
	Thickness of Bottom Panel of Storage Box	19 ±1 mm
	Thickness of Front, Back and Side Panels	25 ±2 mm
	Thickness of material of Headrest	18 ±2 mm
	Overall Height of Headrest	1050 ± 5 mm
	Length of Headrest	1833 ±10 mm
	Thickness of material of Legrest	25 ±2 mm
	Overall Height of Legrest	450 ±5 mm
	Overall Length of Legrest	1833 ±10 mm
	Size OF SUPPORT for Top Panel	25 ±2 mm x 25 ±2 mm
	Size of Supports on under Bottom Panel	35 ±2 mm x 35 ±2 mm
4	COLOUR & FINISHING	
	Finish	Laminated
	Colour of Lamination	Wengee
5	WARANTEE	1 Year

Item No. 11: Steel Almirah with Glass Door		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Material	M.S sheet conforming to commercial quality CR-1, Grade 340 of IS 513:2008 (reaffirmed 2013)(Fifth Revision) Amdt. no.1
	Material of Almirah Doors	M S Sheet
	Length of Glass Sheet	780 ±10 mm
	Width of Glass Sheet	305 ±10 mm
	Sheet Thickness of door	0.8 mm (Minimum)
	Sheet Thickness of sides, back, Top and Bottom	0.8 mm (Minimum)
	Sheet Thickness of Shelves	0.7 mm

SECTION VII – SCHEDULE OF REQUIREMENTS

	Sheet Thickness of Pedestal in mm	1.0 mm
	Material of Lock	lock having made of steel with zinc plated finish having brass levers and MAZAK/ZAMAK bolts having zinc plated finish along with MAZAK/ZAMAK handle
	Material of Keys	keys made of MAZAK/ZAMAK having nickel plated finish
2	GENERIC	
	No of shelves (Nos)	4
	Type of Shelves	Adjustable
	Number of Doors (Nos)	2
	Door Stiffener upto full door height Provided with the almirah doors	Yes
	Number of Hinges with each door (Nos) - No hinges if having sliding door with top hanging arrangement	3
	Number of Glass Sheet fixed in each Almirah door (Nos)	4
	Construction	Welded
	Lock	Three Way bolting device controlled by 6 lever lock
3	DIMENSION	
	Height (Without Pedestal)	1855 ±10 mm
	Width	910 ±7 mm
	Depth	486 ±5 mm
	Stiffened Pedestal height	125 ±2 mm
	Pedestal Width	75 ±2 mm
4	COLOUR & FINISH	
	Finish	Powder Coated
	Colour of Paint	Steel Gray
	Packing	Five Ply Corrugated Board And Strapped With 12 mm HDPE Strap
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard by UL Environment

Item No. 12: Visitor Chair 450X470X430 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Thickness of Plywood used in Backrest	12 ±1 mm
	Frame Material	MS ERW tube
	Density of Polyurethane Foam Used in Seat ±2 (Kg/Cub M)	45 ±2 Kg/m ³

SECTION VII – SCHEDULE OF REQUIREMENTS

	Material of Fabric of Seat Cover	fabric
	GSM/Thickness of Fabric ± 5 (Gram per Sq Meter)	250 ± 5 gms/m ²
	Arm Material	Polypropelene on metal
	Thickness of Polyurethane Foam Used in Backrest	40 ± 3 mm
	Thickness of Polyurethane Foam Used in Seat	50 ± 3 mm
	Shoe Type	plastic
2	GENERIC	
	Chair Type	With Arms
	Type of Seat and Backrest	Padded with Polyurethane Foam
	Frame Type	Cantilever
	Castors	Without
3	DIMENSION	
	Size of Material	2 mm thick 25 mm tube
	Chair Height	1000 ± 15 mm
	Seat Depth	450 ± 10 mm
	Seat Width	470 ± 10 mm
	Seat Height	430 ± 5 mm
	Backrest Width	450 ± 10 mm
	Backrest Height	600 ± 10 mm
	Arm Length	200 ± 5 mm
	Arm Width	50 ± 2 mm
4	COLOUR & FINISH	
	Colour of Fabric for Seat and Backrest	black
	Paint Type	powder coated on MS
	Colour of Paint	black
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO

Item No. 13: Revolving Chair with High Back		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size
	Arm Material	PU foam bonded chrome coted
	seat material	PU Foam Covered With pure leather
	Density of PU foam used in seat	45 ± 3 Kg/m ³
	Density of PU foam used in backrest	45 ± 3 Kg/m ³
	Material of Fabric Back Cover / Material for	pure leather

SECTION VII – SCHEDULE OF REQUIREMENTS

	Backrest	
	Material of Fabric of Seat Cover	Pure Leather
	GSM/Thickness of fabric $\pm 5\%$ (Gram/Square meter)	Genuine leather of 0.8-1.0 mm thickness
2	GENERAL	
	Chair Type	Advance Bio Synchronic
	Tilt Tension Adjustment	Yes
	Height Adjustment	up to 100 mm
	Arm	With
	Type of backrest support	Backrest symmetrical lumber support
	Arm Type	Adjustable
	Colour of Fabric for Seat and Backrest	Black
	Ergonomic Seat Design	Yes
	Back type	Height Adjustable
	Backrest is made of two pcs injection moulded frame	Backrest is made of two pcs injection moulded frame
	Seat type	Sliding
	Seat is curved	Yes
	Locking mechanism	Yes
	Type of locking	Tilt Limitor
	Number of arm movement	2 (up & down)
3	DIMENSION	
	Overall Chair Height	1140 \pm 15 mm
	Backrest Height	730 \pm 15 mm
	Backrest Width	480 \pm 10 mm
	Seat Height	450 \pm 15 mm
	Seat Width	480 \pm 10 mm
	Seat Depth	500 \pm 10 mm
	Thickness of MS Plate Joining the under structure with Seat	1 mm
	Padestal Size (Diameter in mm)	650 \pm 10 mm
	Thickness of Polyurethane Foam Used in Seat	50 \pm 2 mm
	Thickness of Polyurethane Foam Used	50 \pm 2 mm
4	WARANTEE	1-year
5	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO

Item No. 14: Visitor Chair 500X500X480 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Type of material (other than wood) used in	NOT APPLICABLE

SECTION VII – SCHEDULE OF REQUIREMENTS

	Polythene cane Chair	
	Material of Fabric Back Cover	Leather
	Frame Material	Stainless Steel 202
	Density of Polyurethane Foam Used in Seat	45±2 Kg/m ³
	Material of Fabric of Seat Cover	Leather Foam
	Arm Material	chrome mild steel
	Thickness of Polyurethane Foam Used	40 ±3 mm
	Thickness of Polyurethane Foam Used	40 ±3 mm
	Shoe Type	Nylon Rubber
2	GENERIC	
	Chair Type	With Arms
	Type of Seat and Backrest	Padded with Polyurethane Foam
	Frame Type	Cantilever
3	DIMENSION	
	Size of Material (mm)	16 SWG 30 mm round pipe
	Chair Height	950 ±15 mm
	Seat Depth	500 ±10 mm
	Seat Width	500 ±10 mm
	Seat Height	480 ±5 mm
	Backrest Width	450 ±10 mm
	Backrest Height	500 ±10 mm
	Arm Length	300 ±5 mm
	Arm Width	25 ±2 mm
4	COLOUR & FINISH	
	Colour of Fabric for Seat and Backrest	Black
	Paint Type	Chrome
	Colour of Paint	White
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO

Item No. 15: Executive Table 2350 with ERU 1200 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller
	Frame type	Free standing
	Understructure of table	Gable end and modesty panel
	Storage provided	One side
2	MATERIAL	
	Table top Material	Three layer prelaminated particle

SECTION VII – SCHEDULE OF REQUIREMENTS

		board(Wood Product) of grade II type II of IS 12823/Latest
	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest
3	MISC	
	Table top long sides	To be post form half round profile
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Number of buffers provided	4 Nos. at bottom
4	DIMENSION	
	Thickness of table top	25 ±2 mm
	Thickness of gable end and modesty panel	25 ±2 mm
	Length of table top	2100 ±10 mm
	Depth of table	1100 ±10 mm
	Height of table	750 ±10 mm
5	STORAGE UNIT	
	Number of Storage unit provided	Double storage
	Width of storage unit	450 ±10 mm
	Depth of storage unit	750 ±10 mm
	Height of smallest storage unit	125 ±5 mm
	Height of largest storage unit	305 ±5 mm
6	COLOUR & FINISH	
	Table top finish	Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side
	Table top shade	Oak
7	WARRANTY	1 Years
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 16: Back unit 2350W X 500D X 1800H mm		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL & MATERIAL THICKNESS	
	Material specification	Prelaminated particle board of grade II type III of IS 12823/Latest. Both side

SECTION VII – SCHEDULE OF REQUIREMENTS

		laminated. Outer side laminated with shade matching with top shade and facia shade and having balancing laminate of 0.5 mm thickness on other side
	Material thickness of complete body, Fascia and drawer/compartments	25 mm
	Material thickness for back, partition and drawer bottom/compartments shelves	25 ±2 mm
	Skirting Thickness	12 mm
	All plain panels edge to be banded	With 0.8-1.0 mm thick PVC tape with the help of hot melt glue
2	GENERIC	
	Mode of supply	Knocked Down to be assembled at consignee site by the seller
	Design of credenza unit	Compartments (With Shelves) only
	Number of compartments with shelves	Two Nos
	Number of shelves in each compartment	One Nos
	Number of compartment without shelves	Two Nos
	Number of partition for compartment	One Nos
	Type of doors for compartments	Sliding shutter
	Number of doors	Two Nos
3	DIMENSION	
	Width of Back unit	2200 ± 20 mm
	Height of Back unit	2000 ± 20 mm
	Depth of Back unit	510 ± 20 mm
4	MISC	
	Preservation treatment	YES
	Locking System provided	YES
	Handles for Drawer/Compartment	Corrosion Resistance Metal
	Number of Buffer provided at the bottom	8
5	COLOUR & FINISH	
	Colour	Oak
	Material finish	Swede finish
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 17: Office Table 1650x750 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller

SECTION VII – SCHEDULE OF REQUIREMENTS

	Frame type	Free standing
	Understructure of table	Gable end and modesty panel
	Storage provided	One side
2	MATERIAL	
	Table top Material	MDF board of grade SBG II of IS 12406/Latest
	Gable end and modesty panel material	Three Layer prelaminated particles board(wood product) of grade II type III of IS 12823/Latest
3	MISC	
	Table top long sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Number of buffers provided	4 Nos. at bottom
4	DIMENSION	
	Thickness of table top	25 ±2 mm
	Thickness of gable end and modesty panel	25 ±2 mm
	Length of table top	1650 ±10 mm
	Depth of table	750 ±10 mm
	Height of table	750 ±10 mm
5	STORAGE UNIT	
	Number of Storage unit provided	Single storage
	Width of storage unit	450 ±10 mm
	Depth of storage unit	600 ±10 mm
6	COLOUR & FINISH	
	Table top finish	Laminate in colour with matt finish 0.6-0.8mm thickness of type S, F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side
	Table top shade	Oak
7	WARRANTY	1 Year
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 18: Executive Table 1650x750X750 mm with ERU 1200

S. No.	Description	Required Specification and standers as per bidding document
---------------	--------------------	--

SECTION VII – SCHEDULE OF REQUIREMENTS

1	GENERIC	
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller
	Frame type	Free standing
	Understructure of table	Gable end and modesty panel
	Storage provided	One side
2	MATERIAL	
	Table top Material	MDF board of grade SBG II of IS 12406/Latest
	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest
3	MISC	
	Table top long sides	To be post form half round profile
	Table top plain sides	Edge to be banded with PVC tape of 2 mm thick with the help of hot melt glue
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2 mm thick with the help of hot melt glue
	Number of buffers provided	4 Nos. at bottom
4	DIMENSION	
	Thickness of table top	25 ±2 mm
	Thickness of gable end and modesty panel	25 ±2 mm
	Length of table top	1650 ±10 mm
	Depth of table	750 ±10 mm
	Height of table	750 ±10 mm
5	STORAGE UNIT	
	Number of Storage unit provided	Double storage
	Width of storage unit	450 ±10 mm
	Depth of storage unit	750 ±10 mm
	Height of smallest storage unit	125 ±5 mm
	Height of largest storage unit	305 ±5 mm
6	COLOUR & FINISH	
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S, F or P having index no. 3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5 mm thick on other side
	Table top shade	Oak
7	WARRANTY	1 Year
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

SECTION VII – SCHEDULE OF REQUIREMENTS

Item No. 19: Three Seater Chair		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Type of Seating	Integrated Seat and Backrest
	Style	with arm and backrest
	Seating Capacity (Nos)	3
	Number of arms (Nos)	2
	Delivery status	Knocked down supply to be assembled by Seller on Site
	Seat Cushion	Without cushion
	Backrest Cushion	Without cushion
2	MATERIAL	
	Material of Main Frame	M S ERW tube
	Material of Seat and Backrest	Mild Steel
	Material of Arms	cold rolled steel
	Material of Legs	cold rolled steel
	Material of Side Bar Bracket	made up of chrome plated solid steel
	Thickness of material of Main Frame in mm	2
	Thickness of material of Arms in mm	1.2
	Type of bolts	M8 bolts
3	DIMENSION	
	Overall Length	1600 ±10 mm
	Overall Depth	550 ±5 mm
	Overall Height	650 ±5 mm
	Seat Height from Floor	400 ±5 mm
	Thickness of material of Seat and Backrest	1.2 mm
4	COLOUR & FINISH	
	All M S Structure Finish	Chrome Plated
	Colour of Paint	Metallic Gray
6	WARANTEE	1 Year

Item No. 20: 1 Seater Sofa		
S. No.	Description	Required Specification and standers as per bidding document
1	Material	
	Frame Structure Material and size	18 ±1 mm teak plywood
	Seat Cusion Material	Foam
	Density of Cushion of Seat Material	35 ±3 Kg/m ³
	Type of Spring in the Base/ Seating	web suspension
2	Generic	
	Total Number of Seats in the Sofa Set (Nos)	1
	Type of Sofa and Backrest	Seat and Backrest are permanently fixed with the frame Structure

SECTION VII – SCHEDULE OF REQUIREMENTS

	Number of Single Seater Units (Nos)	1
	Frame Covering	Fully Upholstered
	Backrest Cushion Material	Foam
	Density of Cushion of Backrest Material	28 Kg/m ³
	Covering Material for Seat and Backrest	Leatherite
3	Dimension	
	Length of Single Seater Units	920 ±5 mm
	Depth of Sofa Units	850 ±10 mm
	Sofa Height (Without Back Cushion)	400 ±5 mm
	Sofa Height (With Back Cushion)	765 ±5 mm
	Arm Width	200 ±5 mm
	Arm Height	485 ±5 mm
	Seat Height (With Seat Cushion)	400 ±5 mm
	Sofa Leg Height	25 ±2 mm
	Sofa Leg Width / Diameter	40 ±2 mm
	Seat Cushion Length	515 ±5 mm
	Seat Cushion Width	495 ±5 mm
	Seat Cushion Thickness	100 ±5 mm
	Backrest Cushion Length	920 ±5 mm
	Backrest Cushion Width	335 ±5 mm
	Backrest Cushion Thickness	47 ±3 mm
	Thickness of Foam in arms	50 ±2 mm
	Thickness of Foam in back	45 ±2 mm
	Thickness of Foam in front	15 ±2 mm
	Thickness of Foam in sides	10 ±2 mm
4	Colour & Finish	
	Colour of Polish on exposed Wood frame	Natural Brown
	Colour of Covering Material	Black
5	Warranty	1 Year

Item No. 21: 2 Seater Sofa		
S. No.	Description	Required Specification and standers as per bidding document
1	Material	
	Frame Structure Material and size	18 ±1 mm Teak Plywood
	Seat Cushion Material	Foam
	Density of Cushion of Seat Material	35 ±3 Kg/m ³
	Type of Spring in the Base / Seating	Web Suspension
2	Generic	
	Total Number of Seats in the Sofa Set (Nos)	2
	Type of Sofa and Backrest	Seat and Backrest are permanently fixed with the frame Structure
	Number of Two Seater Units (Nos)	1

SECTION VII – SCHEDULE OF REQUIREMENTS

	Frame Covering	Fully Upholstered
	Backrest Cushion Material	Foam
	Density of Cushion of Backrest Material	28 Kg/m ³
	Covering Material for Seat and Backrest	Leatherite
3	Dimension	
	Length of Two Seater Units	1340 ±10 mm
	Depth of Sofa Units	850 ±10 mm
	Sofa Height (Without Back Cushion)	400 ±5 mm
	Sofa Height (With Back Cushion)	765 ±5 mm
	Arm Width	200 ±5 mm
	Arm Height	485 ±5 mm
	Seat Height (With Seat Cushion)	400 ±5 mm
	Sofa Leg Height	25 ±2 mm
	Sofa Leg Width / Diameter	40 ±2 mm
	Seat Cushion Length	910 ±5 mm
	Seat Cushion Width	495 ±5 mm
	Seat Cushion Thickness	100 ±5 mm
	Backrest Cushion Length	940 ±5 mm
	Backrest Cushion Width	335 ±5 mm
	Backrest Cushion Thickness	47 ±3 mm
	Thickness of Foam in arms	50 ±2 mm
	Thickness of Foam in back	45 ±2 mm
	Thickness of Foam in front	15 ±2 mm
	Thickness of Foam in sides	10 ±2 mm
4	Colour & Finish	
	Colour of Polish on exposed Wood frame	Natural Brown
	Colour of Covering Material	Black
5	Warranty	1 Year

Item No. 22: Steel Almirah 1855 mm		
S. No.	Description	Required Specification and standards as per bidding document
1	MATERIAL	
	Material	M.S sheet conforming to commercial quality CR- 1, Grade 340 of IS 513:2008 (reaffirmed 2013) (Fifth Revision) Amdt. no.1
	Material of Almirah Doors	M S Sheet
	Sheet Thickness of door in mm	0.8 mm (Minimum)
	Sheet Thickness of sides, back, Top and Bottom	0.8 mm (Minimum)
	Sheet Thickness of Shelves	0.7 mm
	Sheet Thickness of Pedestal in mm	1.0 mm
	Material of Lock	lock having made of steel with zinc

SECTION VII – SCHEDULE OF REQUIREMENTS

		plated finish having brass levers and MAZAK/ZAMAK bolts having zinc plated finish along with MAZAK/ZAMAK handle
	Material of Keys	Keys made of MAZAK/ZAMAK having nickel plated finish
2	GENERIC	
	Conformity to Indian Standard IS:3312 latest	No
	No of shelves (Nos)	4
	Type of Shelves	Adjustable
	Locker Provided	No
	Locking System with the locker	NA
	Cloth hanging provision in the Almirah	No
	Number of Doors (Nos)	2
	Door Stiffner upto full door height Provided with the almirah doors	Yes
	Number of Hinges with each door (Nos) - No hinges if having sliding door with top hanging arrangement	3
	Construction	Welded
	Lock	Three Way bolting device controlled by 6 lever lock
3	DIMENSION	
	Height (Without Pedestal) (in mm) (+/- 10 mm)	1855
	Width	910 ± 7 mm
	Depth	486 ± 5 mm
	Width of Stiffner	125 ± 7 mm
	Thickness of MS Sheet of Stiffner	0.6 mm
	Stiffened Pedestal height	125 ±2 mm
	Pedestal Width	75 ±2 mm
4	COLOUR & FINISH	
	Finish	Powder Coated
	Colour of Paint	Steel Gray
	Packing:	Five Ply Corrugated Board And Strapped With 12 mm HDPE Strap
6	WARRANTY	1 Year
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 23: Mattress 1981X914 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	DIMENSION	
	Dimension	1981 mm X 915 mm

SECTION VII – SCHEDULE OF REQUIREMENTS

2	NUMBER OF LAYERS	
	Number of Layers	Three Layers
3	THICKNESS	
	Thickness of Core Layer 1	50 mm
	Thickness of Core Layer 2	50 mm
	Thickness of Top Layer	50 ±2 mm
4	MATERIAL	
	Material of Core Layer 1	PU Bonded Foam
	Material of Core Layer 2	PU Foam
	Material of Top Layer	PU Foam
5	QUILTING FOAM	
	Quilting	One Side Quilting (Single Sided)
	Quilting Material	PU Foam
	Density of Quilting Material	18 ±2 Kg/m ³
	Thickness of Quilting	16 ±2 mm
6	MATTRESS COVER	
	Fabric Composition	Polyester-Cotton Blended (80:20)
	Construction	Knitted
	Fabric Mass (Minimum)	240 gms/m ²
	Fabric Colour/Print/Pattern	Dyed/Solid colour
7	SURFACE FINISH	
	Surface Finish of Mattress	Convuluted on one side
8	DENSITY	
	Core Layer 1 Density	90 Kg/m ³
	Core Layer 2 Density	40 Kg/m ³
	Top Layer Density	28 Kg/m ³
9	OTHER REQUIREMENTS	
	Mattress Top	Box Type
10	COMPRESSION SET	
	Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max)	0.1
11	RESISTANCE TO AGEING	
	Resistance to Ageing for PU Foam as per IS 7888 latest (max)	Shall meet the requirement of IS 7933 Latest
12	DURABILITY / RESISTANCE TO FLEXING	
	Durability Test for PU Foam as per IS 7888 latest	Shall meet the requirement of IS 7933 Latest
	Durability Test for Complete Mattress	loss of height not more than 13 mm (as per ASTM 1566)
13	WARRANTY	5 Year

SECTION VII – SCHEDULE OF REQUIREMENTS

Item No. 24: Meeting Table 4 Seater		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Material of Table Top	Three Layer Prelaminated Particle Boards Of Grade-II Type-II Of IS:12823/Latest
	Material of Legs	MS pipe of 75 mm width and 25 mm thick.
2	GENERIC	
	Seating Capacity	4 SEATER
	Shape of Table Top	Rectangular
	Wire Management	Without
	Type of Socket Box	No Socket Box
	Type of understructure	Leg type
	Number of Legs per Seat	4
	Leg Top Attachment	Powder coated MS plate of thickness 3.0 mm
	At Top Leg assembled together with	3 mm thick M S sheet powder coated
3	DIMENSION	
	Length in mm (Select NA in case of Round Table)	1650 ±10 mm
	Width in mm (Diameter in case of Round Table)	900 ±10 mm
	Height	750 ±5 mm
	Thickness of Top	25 ±5 mm
4	COLOUR & FINISH	
	Colour of Laminate	Oak
	Packing	Five Ply Corrugated Board And Strapped With 12 Mm HDPE Strap
5	WARRANTY	1 Year
6	CERTIFICATION	Greenguard By UL Environment

Item No. 25: Office Table 1372X600 mm		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller
	Frame type	Free standing
	Understructure of table	Gable end and modesty panel
	Storage provided	One side
2	MATERIAL	
	Table top Material	MDF board of grade SBG II of IS 12406/Latest

SECTION VII – SCHEDULE OF REQUIREMENTS

	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest
3	MISC	
	Table top long sides	To be post form half round profile with corner edge bending
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue
	Number of buffers provided	4 Nos. at bottom
4	DIMENSION	
	Thickness of table top	25 ±2 mm
	Thickness of gable end and modesty panel	25 ±2 mm
	Length of table top	1372 ±10 mm
	Depth of table	600 ±10 mm
	Height of table	750 ±10 mm
5	STORAGE UNIT	
	Number of Storage unit provided	Single storage
	Width of storage unit	400 ±10 mm
	Depth of storage unit	600 ±10 mm
8	COLOUR & FINISH	
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S, F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5 mm thick on other side
	Table top shade	Oak
9	WARRANTY	1 Year
10	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA

Item No. 26: Dining Chair		
S. No.	Description	Required Specification and standers as per bidding document
1	DIMENSION	
	Overall size	1500 (w) X 900 (d) X 750 (h) mm
	LEGS	70 x 600 x 710 mm
2	Material	
	Material Specification	SOLID RUBBER WOOD (Anti termite pre-treated)

SECTION VII – SCHEDULE OF REQUIREMENTS

3	Color	Dark brown.
----------	--------------	-------------

Item No. 27: Conference Table 12 Seater		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	SELLING UNIT	Selling unit is per seat. Seller to offer prices in terms of price per seat. While ordering, buyer to order for quantity of seats required in conference table.
	Type of Seating Offered	Single Seating, Dual Seating
	Two Long Sides of Table	Have Post Form Half Round Profile
	Top Fixing	With gable end and modesty panel using Mini Fix And Wooden Dowel By Using (Knock Down) System For Interconnecting
	Number of dual seater	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,N.A
	Number of corners for work top	1,2,3,4
	Mode of Supply of modular table	Knocked Down To Be Assembled At Consignee Site By The Seller
2	MATERIAL	
	Material of work top	36 ± 3 mm Thick Flat Single Layer MDF Board Of Grade SBG-II Of IS:12406/Latest
	Table top plain side	Edge banded with PVC tape of 2 mm thick with help of hot melt glue
	Material of Gable end and modesty panel	18 ±3 mm Thick Three Layers Pre-laminated Particle Boards Of Grade-II Type-III Of IS:12823/Latest Both Sides Particle Boards Matching With Top Shade In Grade-II Type-III
3	DIMENSION	
	Length of Each Seat of Work Top	675 ± 20 mm for single AND 1350 ± 20 mm For dual
	Depth of Work Top	600 ± 20 mm
	Height of Work Top	750 ± 20 mm
	Corners of Work Top	850 ± 20 mm
4	COLOUR & FINISH	
	Table top finish	Membrane Finish
	Colour of top finish	Oak
	Plain sides of gable end and modesty panel finish	Edge banded with 0.8-1.0 mm thick PVC tape with the help of hot glue

SECTION VII – SCHEDULE OF REQUIREMENTS

5	WARANTY	1 Year
6	CERTIFICATION	Greenguard By UL Environment

Item No. 28: Conference Table 24 seater		
S. No.	Description	Required Specification and standers as per bidding document
1	GENERIC	
	Selling Unit	Selling unit is per seat. Seller to offer prices in tremns of price per seat. While ordering, buyer to order for quantity of seats required in conference table.
	Type of Seating Offered	Single Seating, Dual Seating
	Two Long Sides of Table	Have Post Form Half Round Profile
	Top Fixing	With gable end and modesty panel using Mini Fix And Wooden Dowel By Using (Knock Down) System For Interconnecting
	Number of dual seater	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,N.A
	Number of corners for work top	1,2,3,4
	Mode of Supply of modular table	Knocked Down To Be Assembled At Consignee Site By The Seller
2	MATERIAL	
	Material of work top	36 ± 3 mm Thick Flat Single Layer MDF Board Of Grade SBG-II Of IS:12406/Latest
	Table top plain side	Edge banded with PVC tape of 2 mm thick with help of hot melt glue
	Material of Gable end and modesty panel	18 ±3 mm Thick Three Layers Prelaminated Particle Boards Of Grade-II Type-III Of IS:12823/Latest Both Sides Particle Boards Matching With Top Shade In Grade-II Type-III
3	DIMENSION	
	Length of Each Seat of Work Top	675 ± 20 mm for single AND 1350 ± 20 mm For dual
	Depth of Work Top	600 ± 20 mm
	Height of Work Top	750 ± 20 mm
	Corners of work top	850 ± 20 mm
4	COLOUR & FINISH	
	Table top finish	Membrane Finish
	Colour of top finish	Oak
	Plain sides of gable end and modesty panel	Edge banded with 0.8-1.0 mm thick

SECTION VII – SCHEDULE OF REQUIREMENTS

	finish	PVC tape with the help of hot glue
5	WARANTY	1 Year
6	CERTIFICATION	Greenguard by UL Environment

Item No. 29: Reception Table		
S. No.	Description	Required Specification and standers as per bidding document
1	Dimension	
	Top shall be of Rubberwood with clean Matt PU finish	18 mm thick, inside radius - 700 mm, outside radius - 1350 mm and depth - 650 mm
	Cork	18 mm thick of rubber
	Glass	Frostered 10 mm thick diamond cut finishing on edges, inside radius shall be - 1202.5 mm, outside radius - 1402.5 mm and depth - 200 mm
	The Modesty Panel shall be	MS Perforated sheet below worksurface: 0.8 mm (thick) x 665 mm (height) x 1345 mm (flat length). Above Worksurface: 0.8 mm (thick) x 260 mm (height) x 1345 mm (flat length)
	The legs	MS tube 1.6 mm thick diameter 50.8 mm and height 604 mm

Item No. 30: Mattress 78x72		
S. no.	Description	Required Specification and standers as per bidding document
1	DIMENSION	1981 mm X 1829 mm
2	NUMBER OF LAYERS	Two Layers
3	THICKNESS	
	Thickness of Core Layer 1	50 mm
	Thickness of Core Layer 2	50 mm
4	MATERIAL	
	Material of Core Layer 1	PU Foam
	Material of Core Layer 2	PU Foam
	Material of Top Layer	Not Applicable
	Material of Bottom Layer	Not Applicable
5	QUILTING FOAM	
	Quilting	Both Side Quilting (Double Sided)
	Quilting Material	PU Foam
	Density of Quilting Material	18 ± 2 Kg/m ³
	Thickness of Quilting	8 ±2 mm
6	MATTRESS COVER	

SECTION VII – SCHEDULE OF REQUIREMENTS

	Fabric Composition	Polyester
	Construction	Woven
	Fabric Mass (Minimum)	80 gms/m ²
	Fabric Colour/Print/Pattern	Printed
	Flame Resistant Fabric	Not Applicable
7	SURFACE FINISH	
	Surface Finish of Mattress	Without Convolution
8	DENSITY	
	Core Layer 1 Density	28 Kg/m ³
	Core Layer 2 Density	28 Kg/m ³
9	OTHER REQUIREMENTS	
	Mattress Top	Box Type
10	COMPRESSION SET	
	Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max)	0.1
11	RESISTANCE TO AGEING	
	Resistance to Ageing for PU Foam as per IS 7888 latest (max)	Shall meet the requirement of IS 7933 Latest
12	DURABILITY / RESISTANCE TO FLEXING	
	Durability Test for PU Foam as per IS 7888 latest	Shall meet the requirement of IS 7933 Latest
	Durability Test for Complete Mattress	loss of height not more than 13 mm (as per ASTM 1566)
13	WARRANTY	2 Year

Item No. 31: Corner Table		
S. No.	Description	Required Specification and standers as per bidding document
1	MATERIAL	
	Top material	Medium Density Fibreboard
	Frame material	Other wood
	Leg material	Other wood
	Material of Understructure supporting the top	Other wood
	Storage material	Medium Density Fibreboard
	Shoes Material	Nylon
2	GENERIC	
	Mode of supply	Knocked down to be assembled at Consigning site by the seller
	Shape of the Centre table	Rectangular
	Style of Centre Table	Supported by set of Legs
	Design of centre table	With four legs only
3	DIMENSION & THICKNESS	
	Dimension of Top (length X Breadth)	530(±20) mm X 450(±20) mm

SECTION VII – SCHEDULE OF REQUIREMENTS

	Height of centre table ±10 mm	460 ±10 mm
	Thickness of top material (+/-2 mm)	18 ±2 mm
	Thickness of frame material (+/- 1 mm)	36 ±1 mm
	Thickness of leg material	35 mm X 35 mm
	Thickness of understructure support material	36 mm
4	MISC	
	connecting of leg	Adjacent side of leg
	Number of buffers	Four number at bottom
5	COLOUR & FINISH	
	Table top finish	Natural
6	WARRANTY	1 Year

Item No. 32: Curtain Blackout Roller Blind		
S. No.	Description	Required Specification and standers as per bidding document
	Opening style	Roll up / Roll down
1	Mounting arrangement	Bracket systems – to install functional roller blind mechanism
2	Types of roller blind	Blackout roller blind
3	Shading solution	Single roller blind – utilise one layer of fabric (called outer layer)
4	Operating mechanism	Side winders (that lock the manually adjustable blinds at different levels with the internal ratchet and tension adjusted by spring inside the tube)
	Roller blind fitting option	Inside mount (recess fit) – on the interior of the window frame
	Type of bottom rail	Flat
	Control unit material	Polyester reinforced plastic
	Installation Bracket type	“L” brackets
	Bracket Material	Mild steel and Zinc plated
	Springs	Rustproof High carbon steel springs
	Top roller type	Aluminium pipe with groove (to fix the fabric in the groove)
	Head rail material	Aluminium exclusion rail powder coated
	Chain type	Endless beaded chain
	Chain material	4.2 mm ABS plastic bead moulded on 1.5 mm thick polyester coat
	Pitch of the beads	6 mm
	Roller tube Material	Anodized extruded tube of high strength alloy
	Inner diameter	38 mm
	Wall thickness of roller tube	1 mm

SECTION VII – SCHEDULE OF REQUIREMENTS

End plug	ABS reinforced plastic
Bottom rail Material	Aluminium extruded rail with groove
Cassette made Material	Aluminium extruded rail
Powder coating thickness	Min. 50 microns
Blinds width	1000 mm
Blinds length	1000 mm
Fabric material	PVC
Light blocking percentage of outer layer (in case of Single and dual roller blinds both)	100 percent
Fabric Weight in GSM)	350± 10 gms
Colour fastener to light (Rating range)	5
Warranty	1-year

Item No. 33: Curtain		
S. No.	Description	Required Specification and standers as per bidding document
1	Material	Polyester and Glace cotton
2	Per meter weight	300 gms/m
3	width	48"
4	Length	As per requirement
5	Colour	Purchaser Choice

Item No. 34: Curtain Road		
S. No.	Description	Required Specification and standers as per bidding document
1	Material	Hollow- Material Stainless steel
2	Weight	100 gms/feet
3	thickness	20 gauge
4	Dimeter	25 mm

3.2 TESTING & CERTIFICATION

The Bidder/ Manufacturer must possess certificates of ISO-9001-2015 (Systems and Procedures) & ISO-14001-2015 (Environment), OHSAS 18001-2007 (occupational health safety) for design, development, sale, marketing of furniture items. The Purchase can inspect the samples during technical evaluation of bid or at any stage, if required at manufacturing plant or call the samples at the designated site. The sample should confirm to the technical specification quoted for the project. The decision of the department to approve the sample shall be final. The cost of such inspection shall be borne by the bidder.

The Purchaser or his representative during the execution of work may visit manufacturer’s place or godown to inspect the consignment before delivery to site. All the expenses of the inspecting team regarding boarding, lodging and travel shall be borne by the successful bidder.

TECHNICAL RESPONSIVENESS FORM

(A) Summary of Instructions

- (i) Particulars of Manufacturer and local agent cum representative are to be given under rows Model and Address.
- (ii) All entry boxes in column “**Specification and Standards as offered in by Bidder**” shall be filled-in accurately and comprehensively. Quantitative fields shall be filled in accurately. It is not acceptable to use ‘Yes’, No, Compliant or similar evading words. Following format is designed to help the Bidder to understand the requirements of the equipment being procured. The Bidder must describe in the format how his bid responds to the technical requirements of the equipment. Bidder to note that one or two word responses (e.g. “Yes”, “No” “will comply” or similar evading words) are normally not sufficient to confirm the responsiveness with the technical requirements, hence elaborate responses are sought from the bidders. In case of deviation on the following technical requirement of equipment is not as per minimum criteria mentioned, the bids may be declared non-responsive.
- (iii) Requested materials and information shall be enclosed with the bid and be unambiguously associated with instruments as offered in the bid
- (iv) Negligence to comply with the instructions and requirements as stated above makes the bid liable to be rejected.

(B) Entries requiring special attention:

- (i) The proposed maintenance interval and the recommended spares as offered in the bid shall be based on instrument deployment history. The training proposal shall be based on experience in similar cases. Moreover, it shall consider the educational level and specialization of the trainees.

(C) Bidder shall provide information in the formats given below:

- (i) Make/ Model/ Local Agent etc.:

Bidder Name:						
Item No.	Item Name	Model	Manufacturer’s Name	Manufacturer’s Address	Manufacturer’s Tel/ Fax	Manufacturer’s E-mail & Website
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

SECTION VII – SCHEDULE OF REQUIREMENTS

Bidder Name:						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						

ii) Clause by Clause Commentary against laid down technical specifications:

Item No. 1: Steel Book Case with Glass Doors

S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Type of lock	Cam lever lock with common key		
	Number of Doors	4		
	Mechanism	Scissor mechanism for receding inside the top of respective component		
2	MATERIAL			
	Thickness of MS Sheet used for Shutter	Min. 0.8 mm		
	Thickness of MS Sheet used for Shelf	Min. 0.8 mm		
	Thickness of MS Sheet used for Top, Bottom, Back and Sides	Min. 0.7 mm		
	Material of Handle	Plastic Handle		
	Thickness of	Min. 4.0 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Transparent glass in Shutters			
3	DIMENSION			
	Height of Steel Bookcase	1742.0 ± 10 mm		
	Width of Steel Bookcase	914.0 ± 10 mm		
	Depth of Steel Bookcase	305 mm ± 10 mm		
	Paint	Powder Coated		
	Colour of Paint	Prince Gray		
4	WARANTEE	1 year		
5	CERTIFICATION	Greenguard by UL Enviornment, GRIHA & SVAGRIHA		

Item No. 2: Steel Vertical File Cabinet				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Number of Drawers	4		
	Label holder Provided	Yes		
	Drawer suspension	Ball Slide		
	Lock	Yes		
	Locking Mechanism	Central locking mechanism		
	Loading Capacity of drawer	40 ± 2 Kg		
2	MATERIAL			
	Sheet Thickness of Side, Back, Top and bottom	0.7 (± 5%) mm		
	Sheet Thickness of Filing Drawer	0.6 (± 5%) mm		
	Clutch compressor strip or Cradle strip	MS Sheet		
3	DIMENSION			
	Overall Height	1300 ± 10 mm		
	Width	475 ± 10 mm		
	Depth	600 ± 10 mm		
	Height of each Drawer	300 ± 10 mm		
4	COLOUR & FINISH			

SECTION VII – SCHEDULE OF REQUIREMENTS

	Colour of Paint	Prince Gray		
	Finish	Powder Coated		
5	WARANTEE	1 Year		
6	CERTIFICATION	Greenguard By UL Environment		

Item No. 3: Revolving Chair (Conference Room)				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size		
	Arm Material	Aluminium covered with PU Foam		
	Seat material	PU Foam covered with Fabric		
	Density of PU foam used in seat	45 ±3 Kg/m ³		
	Material of Fabric Back Cover/ Material for Backrest	Inner frame Upholstered with Mesh fabric and mounted on main assembly		
	Material of Fabric of Seat Cover	100% polyester fabric		
	GSM/Thickness of fabric	250 (±5%) gms/m ²		
2	GENERAL			
	Chair Type	Advance Bio Synchronic		
	Tilt Tension Adjustment	Yes		
	Height Adjustment	up to 100 mm		
	Arm	Yes		
	Type of backrest support	Backrest with adjustable lumber support		
	Arm Type	Adjustable		
	Colour of Fabric for Seat and Backrest	Black		
	Ergonomic Seat Design	Yes		
	Back type	Push Back		
	Backrest is made of	Backrest is made of one piece		

SECTION VII – SCHEDULE OF REQUIREMENTS

	one pcs injection moulded frame	injection moulded frame		
	Seat type	Sliding		
	Seat is curved	Yes		
	Locking mechanism	Yes		
	Type of locking	5-Position Locking		
	Number of arm movement	4 (up & down end left & right)		
	Lumber support	Integrated		
3	DIMENSION			
	Overall Chair Height	1080 ±15 mm		
	Backrest Height	600 ±15mm		
	Backrest Width	440 ±10mm		
	Seat Height	450 ±15 mm		
	Seat Width	500 ±15 mm		
	Seat Depth	500 ±15 mm		
	Thickness of MS Plate Joining the under structure with Seat	2 mm		
	Padestal Size (Diameter in mm)	650 ±10 mm		
	Thickness of Polyurethane Foam Used in Seat	50 ± 2 mm		
4	WARANTEE	1-Year		
5	CERTIFICATION	Greenguard GOLD by UL Environment, GRIHA & SVAGRIHA, BIFMA Level 2		

Item No. 4: Revolving Chair with Headrest				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size		
	Arm Material	aluminium covered with pu		
	seat material	PU Foam covered with Fabric		
	Density of PU foam used in seat Kg/m ³	45 ± 3 Kg/m ³		
	Material of Fabric Back Cover / Material	Innner frame Upholstered with Mesh fabric and mounted on		

SECTION VII – SCHEDULE OF REQUIREMENTS

	for Backrest	main assembly		
	Material of Fabric of Seat Cover	100% polyester fabric		
	GSM/Thickness of fabric	250 ($\pm 5\%$) gms/m ²		
2	GENERAL			
	Chair Type	Advance Bio Synchronic		
	Tilt Tension Adjustment	Yes		
	Height Adjustment	up to 100 mm		
	Arm	Yes		
	Type of backrest support	Backrest with adjustable lumber support		
	Arm Type	Adjustable		
	Colour of Fabric for Seat and Backrest	Black		
	Ergonomic Seat Design	Yes		
	Back type	Push Back		
	Backrest is made of two pcs injection moulded frame	Backrest is made of one piece injection moulded frame		
	Seat type	Sliding		
	Seat is curved	Yes		
	Locking mechanism	Yes		
	Type of locking	5-Position Locking		
	Number of arm movement	4 (up & down end left & right)		
	Lumber support	Integrated		
3	DIMENSION			
	Overall Chair Height	1080 ± 15 mm		
	Backrest Height	600 ± 15 mm		
	Backrest Width	440 ± 10 mm		
	Seat Height	450 ± 15 mm		
	Seat Width	500 ± 10 mm		
	Seat Depth	500 ± 10 mm		
	Thickness of MS Plate Joining the under structure with Seat	2 mm		
	Padestal Size (Diameter in mm)	650 ± 10 mm		
	Thickness of Polyurethane Foam Used in Seat	50 ± 2 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

4	WARANTEE	1-Year		
5	CERTIFICATION	Greenguard GOLD by UL Environment, GRIHA & SVAGRIHA, BIFMA Level 2		

Item No. 5: Single Bed without Storage				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Material of Mattresses Panel	Other wood		
	Material of Bottom Panel of Storage Box	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Material of Front, Back and side Panels	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Material of Headrest	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Material of Legrest	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
2	GENERIC			
	Type of Bed	Single Bed		
	Material of Bed Frame	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Headrest provided	Yes		
	Leg rest provided	Yes		
	Number of Openings (Nos)	1		
	Top Panel have Supports from all the four sides	YES		
	Leg Details	Metal Legs		
	Number of Supports under Bottom Panel	5		

SECTION VII – SCHEDULE OF REQUIREMENTS

	of storage box (Nos)			
3	DIMENSIONS			
	Mattress Fixing Length	2000 ±10 mm		
	Mattress Fixing Width	915 ±10 mm		
	Mattress Panel Height	200 ±5 mm		
	Thickness of Mattresses Panel	19 ±1 mm		
	Thickness of Bottom Panel of Storage Box	9 ±1 mm		
	Thickness of Front, Back and Side Panels	18 ±2 mm		
	Thickness of material of Headrest	18 ±2 mm		
	Overall Height of Headrest	900 ±5 mm		
	Length of Headrest	915 ±10 mm		
	Thickness of material of Legrest	18 ±2 mm		
	Overall Height of Legrest	450 ±5 mm		
	Overall Length of Legrest	915 ±10 mm		
	Size OF SUPPORT for Top Panel	70 (±2) x 17 (±2) mm ²		
	Size of Supports on under Bottom Panel of storage box	50 (±2) x 25 (±2) mm ²		
4	COLOUR & FINISHING			
	Finish	Laminated		
	Colour of Lamination	Plain		
5	WARANTEE	1 Year		

Item No. 6: Center Table 1000 mm X 650 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Top material	Tempered Glass		
	Frame material	Other wood		
	Leg material	Other wood		
	Material of Under structure supporting	Other wood		

SECTION VII – SCHEDULE OF REQUIREMENTS

	the top			
	Storage material	Glass		
	Shoes Material	Nylon		
2	GENERIC			
	Mode of supply	Knocked down to be assembled at Consigning site by the seller		
	Shape of the Centre table	Rectangular		
	Style of Centre Table	Supported by set of Legs		
	Design of centre table	With four legs only		
	Number of storage under top	Single storage in bottom portion		
3	DIMENSION & THICKNESS			
	Dimension of Top (length X Breadth) ±20mm	1000 (±20) X 650 (±20) mm ²		
	Height of centre table	430 ± 10 mm		
	Thickness of top material	10 ± 2 mm		
	Thickness of leg material	35 mm X 35 mm		
4	MISC			
	Connecting of leg	Adjacent side of leg		
	Number of buffers	Four number at bottom		
5	COLOUR & FINISH			
	Table top finish	Natural		
6	WARRANTY	1 Year		

Item No. 7: Executive Table 2100X2250X750 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller		
	Frame type	Free standing		
	Understructure of table	Gable end and modesty panel		
	Storage provided	One side		
2	MATERIAL			

SECTION VII – SCHEDULE OF REQUIREMENTS

	Table top Material	MDF board of grade SBG II of IS 12406/Latest		
	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest		
3	MISC			
	Table top long sides	To be post form half round profile		
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Number of buffers provided	4 Nos. at bottom		
4	DIMENSION			
	Thickness of table top	25 ±2 mm		
	Thickness of gable end and modesty panel	25 ±2 mm		
	Length of table top	2100 ±10 mm		
	Depth of table	1050 ±10 mm		
	Height of table	750 ±5 mm		
5	STORAGE UNIT			
	Number of Storage unit provided	Single storage		
	Width of storage unit	450 ±10 mm		
	Depth of storage unit in	750 ±10 mm		
	Height of smallest storage unit	125 ±5 mm		
	Height of largest storage unit	305 ±5 mm		
8	COLOUR & FINISH			
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Table top shade	Oak		
9	WARRANTY	1 Year		
10	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 8: Credenzas/Back Unit				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL & MATERIAL THICKNESS			
	Material specification	Prelaminated particle board of grade II type III of IS 12823/Latest. Both side laminated. Outer side laminated with shade matching with top shade and fascia shade and having balancing laminate of 0.5mm thickness on other side		
	Material thickness of complete body, Fascia and drawer/compartment	25 mm		
	Material thickness for back, partition and drawer bottom/compartment shelves	25 ±2 mm		
	Skirting Thickness	12 mm		
	All plain panels edge to be banded	With 0.8-1.0 mm thick PVC tape with the help of hot melt glue		
2	GENERIC			
	Mode of supply	Knocked Down to be assembled at consignee site by the seller		
	Design of credenza unit	Compartments (With Shelves) only		
	Number of compartments with shelves	Two Nos		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Number of shelves in each compartment	One Nos		
	Number of compartment without shelves	Two Nos		
	Number of partition for compartment	One Nos		
	Type of doors for compartments	Sliding shutter		
	Number of doors	Two Nos		
3	DIMENSION			
	Width of Back Unit	1700 ± 20 mm		
	Height of Back Unit	2000 ± 20 mm		
	Depth of Back Unit	510 ± 20 mm		
4	MISC			
	Preservation treatment	YES		
	Locking System provided	YES		
	Handles for Drawer/Compartment	Corrosion Resistance Metal		
	Openables shutter hung on side of the compartment	With help of auto closing hinges of O cracking overlay type		
	Number of Buffer provided at the bottom	6		
5	COLOUR & FINISH			
	Colour	Oak		
	Material finish	Swede finish		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 9: Revolving Chair				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Pedestal Base	Glass Fibre Nylon with ABS/ NylonTwin Caster Wheels Minimum 5 Nos, of 50 mm Size		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Arm Material	Proopylene		
	seat material	PU Foam covered with Fabric		
	Density of PU foam used in seat	55 ±3 kg/m ³		
	Material of Fabric Back Cover / Material for Backrest	Innner frame Upholstered with Mesh fabric and mounted on main assembly		
	Material of Fabric of Seat Cover	100% polyester fabric		
	GSM/Thickness of fabric Gram/Square meter)	250 (±5%) gms/m ²		
2	GENERAL			
	Chair Type	Knee Tilt Synchronic		
	Tilt Tension Adjustment	Yes		
	Height Adjustment	up to 100 mm or better		
	Arm	Yes		
	Type of backrest support	Backrest with adjustable lumber support		
	Arm Type	Adjustable		
	Colour of Fabric for Seat and Backrest	Black		
	Ergonomic Seat Design	Yes		
	Back type	Push Back		
	Backrest is made of two pcs injection moulded frame	Backrest is made of one piece injection moulded frame		
	backrest has separate adjustable headrest	Yes		
	Seat type	Fixed		
	Seat is curved	Yes		
	Locking mechanism	Yes		
	Type of locking	4-Position Locking		
	Number of arm movement	2 (up & down)		
	Lumber support	Integrated		
3	DIMENSION			
	Overall Chair Height	1140 ±15 mm		
	Backrest Height	650 ±15 mm		
	Backrest Width	440 ±10 mm		
	Seat Height	450 ±15 mm		
	Seat Width	480 ±10 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Seat Depth	520 ±10 mm		
	Thickness of MS Plate Joining the under structure with Seat	1.2 mm		
	Thickness of Plywood used in Seat	12 ±1 mm		
	Padestal Size (Diameter in mm)	650 ±10 mm		
	Thickness of Polyurethane Foam Used in Seat	45 ±2 mm		
4	WARANTEE	1-Year		
5	CERTIFICATION	Greenguard GOLD by UL Environment, GREEN PRO		

Item No. 10: Double Bed				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Material of Mattresses Panel	Other wood		
	Material of Bottom Panel of Storage Box	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Material of Front, Back and side Panels	MDF Board Conforming To IS:12406(Grade SBG I)		
	Material of Headrest	MDF board conforming to is 12406 grade SBG I		
	Material of Legrest	MDF board conforming to is 12406 grade SBG I		
2	GENERIC			
	Type of Bed	Double Bed		
	Material of Bed Frame	Three layer prelaminated particles board (Wood product) of grade II type II of IS 12823/Latest		
	Headrest provided	Yes		
	Legrest provided	Yes		
	Opening of Storage Box	Opening from Side		
	Number of Openings (Nos)	2		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Top Panel have Supports from all the four sides	Yes		
	Leg Details	Metal Legs		
	Number of Supports under Bottom Panel of storage box (Nos)	3		
3	DIMENSIONS			
	Mattress Fixing Length	1830 ±10 mm		
	Mattress Fixing Width	1830 ±10 mm		
	Mattress Panel Height	200 ±5 mm		
	Depth of Storage Box	850 ±10 mm		
	Thickness of Mattresses Panel	19 ±1 mm		
	Thickness of Bottom Panel of Storage Box	19 ±1 mm		
	Thickness of Front, Back and Side Panels	25 ±2 mm		
	Thickness of material of Headrest	18 ±2 mm		
	Overall Height of Headrest	1050 ± 5 mm		
	Length of Headrest	1833 ±10 mm		
	Thickness of material of Legrest	25 ±2 mm		
	Overall Height of Legrest	450 ±5 mm		
	Overall Length of Legrest	1833 ±10 mm		
	Size OF SUPPORT for Top Panel	25 ±2 mm x 25 ±2 mm		
	Size of Supports on under Bottom Panel	35 ±2 mm x 35 ±2 mm		
4	COLOUR & FINISHING			
	Finish	Laminated		
	Colour of Lamination	Wengee		
5	WARANTEE	1 Year		

Item No. 11: Steel Almira with Glass Door				
S. No.	Description	Required Specification and standers as per bidding	Specification Offered	Remarks

SECTION VII – SCHEDULE OF REQUIREMENTS

		document		
1	MATERIAL			
	Material	M.S sheet conforming to commercial quality CR-1, Grade 340 of IS 513:2008 (reaffirmed 2013)(Fifth Revision) Amdt. no.1		
	Material of Almirah Doors	M S Sheet		
	Length of Glass Sheet	780 ±10 mm		
	Width of Glass Sheet	305 ±10 mm		
	Sheet Thickness of door	0.8 mm (Minimum)		
	Sheet Thickness of sides, back, Top and Bottom	0.8 mm (Minimum)		
	Sheet Thickness of Shelves	0.7 mm		
	Sheet Thickness of Pedestal in mm	1.0 mm		
	Material of Lock	lock having made of steel with zinc plated finish having brass levers and MAZAK/ZAMAK bolts having zinc plated finish along with MAZAK/ZAMAK handle		
	Material of Keys	keys made of MAZAK/ZAMAK having nickel plated finish		
2	GENERIC			
	No of shelves (Nos)	4		
	Type of Shelves	Adjustable		
	Number of Doors (Nos)	2		
	Door Stiffner upto full door height Provided with the almirah doors	Yes		
	Number of Hinges with each door (Nos) - No hinges if having sliding door with top hanging arrangement	3		
	Number of Glass Sheet fixed in each	4		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Almirah door (Nos)			
	Construction	Welded		
	Lock	Three Way bolting device controlled by 6 lever lock		
3	DIMENSION			
	Height (Without Pedestal)	1855 ±10 mm		
	Width	910 ±7 mm		
	Depth	486 ±5 mm		
	Stiffened Pedestal height	125 ±2 mm		
	Pedestal Width	75 ±2 mm		
4	COLOUR & FINISH			
	Finish	Powder Coated		
	Colour of Paint	Steel Gray		
	Packing	Five Ply Corrugated Board And Strapped With 12 mm HDPE Strap		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard by UL Environment		

Item No. 12: Visitor Chair 450X470X430 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Thickness of Plywood used in Backrest	12 ±1 mm		
	Frame Material	MS ERW tube		
	Density of Polyurethane Foam Used in Seat ±2 (Kg/Cub M)	45 ±2 Kg/m ³		
	Material of Fabric of Seat Cover	fabric		
	GSM/Thickness of Fabric ±5 (Gram per Sq Meter)	250 ±5 gms/m ²		
	Arm Material	Polypropelene on metal		
	Thickness of Polyurethane Foam Used in Backrest	40 ±3 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Thickness of Polyurethane Foam Used in Seat	50 ±3 mm		
	Shoe Type	plastic		
2	GENERIC			
	Chair Type	With Arms		
	Type of Seat and Backrest	Padded with Polyurethane Foam		
	Frame Type	Cantilever		
	Castors	Without		
3	DIMENSION			
	Size of Material	2 mm thick 25 mm tube		
	Chair Height	1000 ±15 mm		
	Seat Depth	450 ±10 mm		
	Seat Width	470 ±10 mm		
	Seat Height	430 ±5 mm		
	Backrest Width	450 ±10 mm		
	Backrest Height	600 ±10 mm		
	Arm Length	200 ±5 mm		
	Arm Width	50 ±2 mm		
4	COLOUR & FINISH			
	Colour of Fabric for Seat and Backrest	black		
	Paint Type	powder coated on MS		
	Colour of Paint	black		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO		

Item No. 13: Revolving Chair with High Back				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Pedestal Base	Aluminium Die Cast with ABS/Nylon Twin Caster Wheels Minimum 5 Nos, of 50 mm Size		
	Arm Material	PU foam bonded chrome coted		
	seat material	PU Foam Covered With pure leather		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Density of PU foam used in seat	45 ±3 Kg/m ³		
	Density of PU foam used in backrest	45 ±3 Kg/m ³		
	Material of Fabric Back Cover / Material for Backrest	pure leather		
	Material of Fabric of Seat Cover	Pure Leather		
	GSM/Thickness of fabric ±5%(Gram/Square meter)	Genuine leather of 0.8-1.0 mm thickness		
2	GENERAL			
	Chair Type	Advance Bio Synchronic		
	Tilt Tension Adjustment	Yes		
	Height Adjustment	up to 100 mm		
	Arm	With		
	Type of backrest support	Backrest symmetrical lumber support		
	Arm Type	Adjustable		
	Colour of Fabric for Seat and Backrest	Black		
	Ergonomic Seat Design	Yes		
	Back type	Height Adjustable		
	Backrest is made of two pcs injection moulded frame	Backrest is made of two pcs injection moulded frame		
	Seat type	Sliding		
	Seat is curved	Yes		
	Locking mechanism	Yes		
	Type of locking	Tilt Limitor		
	Number of arm movement	2 (up & down)		
3	DIMENSION			
	Overall Chair Height	1140 ±15 mm		
	Backrest Height	730 ±15 mm		
	Backrest Width	480 ±10 mm		
	Seat Height	450 ±15 mm		
	Seat Width	480 ±10 mm		
	Seat Depth	500 ±10 mm		
	Thickness of MS	1 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Plate Joining the under structure with Seat			
	Padestal Size (Diameter in mm)	650 ±10 mm		
	Thickness of Polyurethane Foam Used in Seat	50 ±2 mm		
	Thickness of Polyurethane Foam Used	50 ±2 mm		
4	WARANTEE	1-year		
5	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO		

Item No. 14: Visitor Chair 500X500X480 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Type of material (other than wood) used in Polythene cane Chair	NOT APPLICABLE		
	Material of Fabric Back Cover	Leather		
	Frame Material	Stainless Steel 202		
	Density of Polyurethane Foam Used in Seat	45±2 Kg/m ³		
	Material of Fabric of Seat Cover	Leather Foam		
	Arm Material	chrome mild steel		
	Thickness of Polyurethane Foam Used	40 ±3 mm		
	Thickness of Polyurethane Foam Used	40 ±3 mm		
	Shoe Type	Nylon Rubber		
2	GENERIC			
	Chair Type	With Arms		
	Type of Seat and	Padded with Polyurethane		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Backrest	Foam		
	Frame Type	Cantilever		
3	DIMENSION			
	Size of Material (mm)	16 SWG 30 mm round pipe		
	Chair Height	950 ±15 mm		
	Seat Depth	500 ±10 mm		
	Seat Width	500 ±10 mm		
	Seat Height	480 ±5 mm		
	Backrest Width	450 ±10 mm		
	Backrest Height	500 ±10 mm		
	Arm Length	300 ±5 mm		
	Arm Width	25 ±2 mm		
4	COLOUR & FINISH			
	Colour of Fabric for Seat and Backrest	Black		
	Paint Type	Chrome		
	Colour of Paint	White		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard GOLD by UL Environment IAQ GOLD, BIFMA Level 2, GREEN PRO		

Item No. 15: Executive Table 2350 with ERU 1200 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller		
	Frame type	Free standing		
	Understructure of table	Gable end and modesty panel		
	Storage provided	One side		
2	MATERIAL			
	Table top Material	Three layer prelamated particle board(Wood Product) of grade II type II of IS 12823/Latest		
	Gable end and modesty panel material	Flat single layer prelamated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest		

SECTION VII – SCHEDULE OF REQUIREMENTS

3	MISC			
	Table top long sides	To be post form half round profile		
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Number of buffers provided	4 Nos. at bottom		
4	DIMENSION			
	Thickness of table top	25 ±2 mm		
	Thickness of gable end and modesty panel	25 ±2 mm		
	Length of table top	2100 ±10 mm		
	Depth of table	1100 ±10 mm		
	Height of table	750 ±10 mm		
5	STORAGE UNIT			
	Number of Storage unit provided	Double storage		
	Width of storage unit	450 ±10 mm		
	Depth of storage unit	750 ±10 mm		
	Height of smallest storage unit	125 ±5 mm		
	Height of largest storage unit	305 ±5 mm		
6	COLOUR & FINISH			
	Table top finish	Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side		
	Table top shade	Oak		
7	WARRANTY	1 Years		
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 16: Back unit 2350W X 500D X 1800H mm

SECTION VII – SCHEDULE OF REQUIREMENTS

S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL & MATERIAL THICKNESS			
	Material specification	Prelaminated particle board of grade II type III of IS 12823/Latest. Both side laminated. Outer side laminated with shade matching with top shade and fascia shade and having balancing laminate of 0.5 mm thickness on other side		
	Material thickness of complete body, Fascia and drawer/compartent	25 mm		
	Material thickness for back, partition and drawer bottom/compartent shelves	25 ±2 mm		
	Skirting Thickness	12 mm		
	All plain panels edge to be banded	With 0.8-1.0 mm thick PVC tape with the help of hot melt glue		
2	GENERIC			
	Mode of supply	Knocked Down to be assembled at consignee site by the seller		
	Design of credenza unit	Compartments (With Shelves) only		
	Number of compartments with shelves	Two Nos		
	Number of shelves in each compartment	One Nos		
	Number of compartment without shelves	Two Nos		
	Number of partition for compartment	One Nos		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Type of doors for compartments	Sliding shutter		
	Number of doors	Two Nos		
3	DIMENSION			
	Width of Back unit	2200 ± 20 mm		
	Height of Back unit	2000 ± 20 mm		
	Depth of Back unit	510 ± 20 mm		
4	MISC			
	Preservation treatment	YES		
	Locking System provided	YES		
	Handles for Drawer/Compartment	Corrosion Resistance Metal		
	Number of Buffer provided at the bottom	8		
5	COLOUR & FINISH			
	Colour	Oak		
	Material finish	Swede finish		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 17: Office Table 1650x750 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller		
	Frame type	Free standing		
	Understructure of table	Gable end and modesty panel		
	Storage provided	One side		
2	MATERIAL			
	Table top Material	MDF board of grade SBG II of IS 12406/Latest		
	Gable end and modesty panel material	Three Layer prelaminated particles board(wood product) of grade II type III of IS 12823/Latest		
3	MISC			

SECTION VII – SCHEDULE OF REQUIREMENTS

	Table top long sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Number of buffers provided	4 Nos. at bottom		
4	DIMENSION			
	Thickness of table top	25 ±2 mm		
	Thickness of gable end and modesty panel	25 ±2 mm		
	Length of table top	1650 ±10 mm		
	Depth of table	750 ±10 mm		
	Height of table	750 ±10 mm		
5	STORAGE UNIT			
	Number of Storage unit provided	Single storage		
	Width of storage unit	450 ±10 mm		
	Depth of storage unit	600 ±10 mm		
6	COLOUR & FINISH			
	Table top finish	Laminate in colour with matt finish 0.6-0.8mm thickness of type S, F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side		
	Table top shade	Oak		
7	WARRANTY	1 Year		
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

SECTION VII – SCHEDULE OF REQUIREMENTS

Item No. 18: Executive Table 1650x750X750 mm with ERU 1200				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller		
	Frame type	Free standing		
	Understructure of table	Gable end and modesty panel		
	Storage provided	One side		
2	MATERIAL			
	Table top Material	MDF board of grade SBG II of IS 12406/Latest		
	Gable end and modesty panel material	Flat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest		
3	MISC			
	Table top long sides	To be post form half round profile		
	Table top plain sides	Edge to be banded with PVC tape of 2 mm thick with the help of hot melt glue		
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2 mm thick with the help of hot melt glue		
	Number of buffers provided	4 Nos. at bottom		
4	DIMENSION			
	Thickness of table top	25 ±2 mm		
	Thickness of gable end and modesty panel	25 ±2 mm		
	Length of table top	1650 ±10 mm		
	Depth of table	750 ±10 mm		
	Height of table	750 ±10 mm		
5	STORAGE UNIT			
	Number of Storage unit provided	Double storage		
	Width of storage unit	450 ±10 mm		
	Depth of storage unit	750 ±10 mm		
	Height of smallest storage unit	125 ±5 mm		
	Height of largest	305 ±5 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	storage unit			
6	COLOUR & FINISH			
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S, F or P having index no. 3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5 mm thick on other side		
	Table top shade	Oak		
7	WARRANTY	1 Year		
8	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 19: Three Seater Chair				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Type of Seating	Integrated Seat and Backrest		
	Style	with arm and backrest		
	Seating Capacity (Nos)	3		
	Number of arms (Nos)	2		
	Delivery status	Knocked down supply to be assembled by Seller on Site		
	Seat Cushion	Without cushion		
	Backrest Cushion	Without cushion		
2	MATERIAL			
	Material of Main Frame	M S ERW tube		
	Material of Seat and Backrest	Mild Steel		
	Material of Arms	cold rolled steel		
	Material of Legs	cold rolled steel		
	Material of Side Bar Bracket	made up of chrome plated solid steel		
	Thickness of material of Main Frame in mm	2		
	Thickness of material of Arms in mm	1.2		
	Type of bolts	M8 bolts		
3	DIMENSION			
	Overall Length	1600 ±10 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Overall Depth	550 ±5 mm		
	Overall Height	650 ±5 mm		
	Seat Height from Floor	400 ±5 mm		
	Thickness of material of Seat and Backrest	1.2 mm		
4	COLOUR & FINISH			
	All M S Structure Finish	Chrome Plated		
	Colour of Paint	Metallic Gray		
6	WARANTEE	1 Year		

Item No. 20: 1 Seater Sofa				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	Material			
	Frame Structure Material and size	18 ±1 mm teak plywood		
	Seat Cusion Material	Foam		
	Density of Cushion of Seat Material	35 ±3 Kg/m ³		
	Type of Spring in the Base/ Seating	web suspension		
2	Generic			
	Total Number of Seats in the Sofa Set (Nos)	1		
	Type of Sofa and Backrest	Seat and Backrest are permanently fixed with the frame Structure		
	Number of Single Seater Units (Nos)	1		
	Frame Covering	Fully Upholstered		
	Backrest Cushion Material	Foam		
	Density of Cushion of Backrest Material	28 Kg/m ³		
	Covering Material for Seat and Backrest	Leatherite		
3	Dimension			
	Length of Single Seater Units	920 ±5 mm		
	Depth of Sofa Units	850 ±10 mm		
	Sofa Height (Without Back Cushion)	400 ±5 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Sofa Height (With Back Cushion)	765 ±5 mm		
	Arm Width	200 ±5 mm		
	Arm Height	485 ±5 mm		
	Seat Height (With Seat Cushion)	400 ±5 mm		
	Sofa Leg Height	25 ±2 mm		
	Sofa Leg Width / Diameter	40 ±2 mm		
	Seat Cushion Length	515 ±5 mm		
	Seat Cushion Width	495 ±5 mm		
	Seat Cushion Thickness	100 ±5 mm		
	Backrest Cushion Length	920 ±5 mm		
	Backrest Cushion Width	335 ±5 mm		
	Backrest Cushion Thickness	47 ±3 mm		
	Thickness of Foam in arms	50 ±2 mm		
	Thickness of Foam in back	45 ±2 mm		
	Thickness of Foam in front	15 ±2 mm		
	Thickness of Foam in sides	10 ±2 mm		
4	Colour & Finish			
	Colour of Polish on exposed Wood frame	Natural Brown		
	Colour of Covering Material	Black		
5	Warranty	1 Year		

Item No. 21: 2 Seater Sofa				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	Material			
	Frame Structure Material and size	18 ±1 mm Teak Plywood		
	Seat Cushion Material	Foam		
	Density of Cushion of Seat Material	35 ±3 Kg/m ³		
	Type of Spring in the	Web Suspension		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Base / Seating			
2	Generic			
	Total Number of Seats in the Sofa Set (Nos)	2		
	Type of Sofa and Backrest	Seat and Backrest are permanently fixed with the frame Structure		
	Number of Two Seater Units (Nos)	1		
	Frame Covering	Fully Upholstered		
	Backrest Cushion Material	Foam		
	Density of Cushion of Backrest Material	28 Kg/m ³		
	Covering Material for Seat and Backrest	Leatherite		
3	Dimension			
	Length of Two Seater Units	1340 ±10 mm		
	Depth of Sofa Units	850 ±10 mm		
	Sofa Height (Without Back Cushion)	400 ±5 mm		
	Sofa Height (With Back Cushion)	765 ±5 mm		
	Arm Width	200 ±5 mm		
	Arm Height	485 ±5 mm		
	Seat Height (With Seat Cushion)	400 ±5 mm		
	Sofa Leg Height	25 ±2 mm		
	Sofa Leg Width / Diameter	40 ±2 mm		
	Seat Cushion Length	910 ±5 mm		
	Seat Cushion Width	495 ±5 mm		
	Seat Cushion Thickness	100 ±5 mm		
	Backrest Cushion Length	940 ±5 mm		
	Backrest Cushion Width	335 ±5 mm		
	Backrest Cushion Thickness	47 ±3 mm		
	Thickness of Foam in arms	50 ±2 mm		
	Thickness of Foam in back	45 ±2 mm		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Thickness of Foam in front	15 ±2 mm		
	Thickness of Foam in sides	10 ±2 mm		
4	Colour & Finish			
	Colour of Polish on exposed Wood frame	Natural Brown		
	Colour of Covering Material	Black		
5	Warranty	1 Year		

Item No. 22: Steel Almirah 1855 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Material	M.S sheet conforming to commercial quality CR- 1, Grade 340 of IS 513:2008 (reaffirmed 2013) (Fifth Revision) Amdt. no.1		
	Material of Almirah Doors	M S Sheet		
	Sheet Thickness of door in mm	0.8 mm (Minimum)		
	Sheet Thickness of sides, back, Top and Bottom	0.8 mm (Minimum)		
	Sheet Thickness of Shelves	0.7 mm		
	Sheet Thickness of Pedestal in mm	1.0 mm		
	Material of Lock	lock having made of steel with zinc plated finish having brass levers and MAZAK/ZAMAK bolts having zinc plated finish along with MAZAK/ZAMAK handle		
	Material of Keys	Keys made of MAZAK/ZAMAK having nickel plated finish		
2	GENERIC			
	Conformity to Indian	No		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Standard IS:3312 latest			
	No of shelves (Nos)	4		
	Type of Shelves	Adjustable		
	Locker Provided	No		
	Locking System with the locker	NA		
	Cloth hanging provision in the Almirah	No		
	Number of Doors (Nos)	2		
	Door Stiffner upto full door height Provided with the almirah doors	Yes		
	Number of Hinges with each door (Nos) - No hinges if having sliding door with top hanging arrangement	3		
	Construction	Welded		
	Lock	Three Way bolting device controlled by 6 lever lock		
3	DIMENSION			
	Height (Without Pedestal) (in mm) (+/- 10 mm)	1855		
	Width	910 ± 7 mm		
	Depth	486 ± 5 mm		
	Width of Stiffner	125 ± 7 mm		
	Thickness of MS Sheet of Stiffner	0.6 mm		
	Stiffened Pedestal height	125 ±2 mm		
	Pedestal Width	75 ±2 mm		
4	COLOUR & FINISH			
	Finish	Powder Coated		
	Colour of Paint	Steel Gray		
	Packing:	Five Ply Corrugated Board And Strapped With 12 mm HDPE Strap		
6	WARRANTY	1 Year		
7	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

SECTION VII – SCHEDULE OF REQUIREMENTS

Item No. 23: Mattress 1981X914 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	DIMENSION			
	Dimension	1981 mm X 915 mm		
2	NUMBER OF LAYERS			
	Number of Layers	Three Layers		
3	THICKNESS			
	Thickness of Core Layer 1	50 mm		
	Thickness of Core Layer 2	50 mm		
	Thickness of Top Layer	50 ±2 mm		
4	MATERIAL			
	Material of Core Layer 1	PU Bonded Foam		
	Material of Core Layer 2	PU Foam		
	Material of Top Layer	PU Foam		
5	QUILTING FOAM			
	Quilting	One Side Quilting (Single Sided)		
	Quilting Material	PU Foam		
	Density of Quilting Material	18 ±2 Kg/m ³		
	Thickness of Quilting	16 ±2 mm		
6	MATTRESS COVER			
	Fabric Composition	Polyester-Cotton Blended (80:20)		
	Construction	Knitted		
	Fabric Mass (Minimum)	240 gms/m ²		
	Fabric Colour/Print/Pattern	Dyed/Solid colour		
7	SURFACE FINISH			
	Surface Finish of Mattress	Convolutd on one side		
8	DENSITY			
	Core Layer 1 Density	90 Kg/m ³		
	Core Layer 2 Density	40 Kg/m ³		
	Top Layer Density	28 Kg/m ³		
9	OTHER			

SECTION VII – SCHEDULE OF REQUIREMENTS

	REQUIREMENTS			
	Mattress Top	Box Type		
10	COMPRESSION SET			
	Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max)	0.1		
11	RESISTANCE TO AGEING			
	Resistance to Ageing for PU Foam as per IS 7888 latest (max)	Shall meet the requirement of IS 7933 Latest		
12	DURABILITY / RESISTANCE TO FLEXING			
	Durability Test for PU Foam as per IS 7888 latest	Shall meet the requirement of IS 7933 Latest		
	Durability Test for Complete Mattress	loss of height not more than 13 mm (as per ASTM 1566)		
13	WARRANTY	5 Year		

Item No. 24: Meeting Table 4 Seater				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Material of Table Top	Three Layer Prelaminated Particle Boards Of Grade-II Type-II Of IS:12823/Latest		
	Material of Legs	MS pipe of 75 mm width and 25 mm thick.		
2	GENERIC			
	Seating Capacity	4 SEATER		
	Shape of Table Top	Rectangular		
	Wire Management	Without		
	Type of Socket Box	No Socket Box		
	Type of understructure	Leg type		
	Number of Legs per Seat	4		
	Leg Top Attachment	Powder coated MS plate of thickness 3.0 mm		
	At Top Leg assembled together with	3 mm thick M S sheet powder coated		

SECTION VII – SCHEDULE OF REQUIREMENTS

3	DIMENSION			
	Length in mm (Select NA in case of Round Table)	1650 ±10 mm		
	Width in mm (Diameter in case of Round Table)	900 ±10 mm		
	Height	750 ±5 mm		
	Thickness of Top	25 ±5 mm		
4	COLOUR & FINISH			
	Colour of Laminate	Oak		
	Packing	Five Ply Corrugated Board And Strapped With 12 Mm HDPE Strap		
5	WARRANTY	1 Year		
6	CERTIFICATION	Greenguard By UL Environment		

Item No. 25: Office Table 1372X600 mm				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Mode of supply	Knocked Down To Be Assembled At Consignee Site By The Seller		
	Frame type	Free standing		
	Understructure of table	Gable end and modesty panel		
	Storage provided	One side		
2	MATERIAL			
	Table top Material	MDF board of grade SBG II of IS 12406/Latest		
	Gable end and modesty panel material	Flat single layer prelamated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest		
3	MISC			
	Table top long sides	To be post form half round profile with corner edge bending		
	Table top plain sides	Edge to be banded with PVC tape of 2mm thick with the help of hot melt glue		
	Gable end and modesty panel plain side	Edge to be banded with PVC tape of 2mm thick with the		

SECTION VII – SCHEDULE OF REQUIREMENTS

		help of hot melt glue		
	Number of buffers provided	4 Nos. at bottom		
4	DIMENSION			
	Thickness of table top	25 ±2 mm		
	Thickness of gable end and modesty panel	25 ±2 mm		
	Length of table top	1372 ±10 mm		
	Depth of table	600 ±10 mm		
	Height of table	750 ±10 mm		
5	STORAGE UNIT			
	Number of Storage unit provided	Single storage		
	Width of storage unit	400 ±10 mm		
	Depth of storage unit	600 ±10 mm		
8	COLOUR & FINISH			
	Table top finish	Laminate in colour with swede finish 0.6-0.8 mm thickness of type S, F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5 mm thick on other side		
	Table top shade	Oak		
9	WARRANTY	1 Year		
10	CERTIFICATION	Greenguard by UL Environment, GRIHA & SVAGRIHA		

Item No. 26: Dining Chair				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	DIMENSION			
	Overall size	1500 (w) X 900 (d) X 750 (h) mm		
	LEGS	70 x 600 x 710 mm		
2	Material			
	Material Specification	SOLID RUBBER WOOD (Anti termite pre-treated)		
3	Color	Dark brown.		

Item No. 27: Conference Table 12 Seater				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	SELLING UNIT	Selling unit is per seat. Seller to offer prices in terms of price per seat. While ordering, buyer to order for quantity of seats required in conference table.		
	Type of Seating Offered	Single Seating, Dual Seating		
	Two Long Sides of Table	Have Post Form Half Round Profile		
	Top Fixing	With gable end and modesty panel using Mini Fix And Wooden Dowel By Using (Knock Down) System For Interconnecting		
	Number of dual seater	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,N.A		
	Number of corners for work top	1,2,3,4		
	Mode of Supply of modular table	Knocked Down To Be Assembled At Consignee Site By The Seller		
2	MATERIAL			
	Material of work top	36 ± 3 mm Thick Flat Single Layer MDF Board Of Grade SBG-II Of IS:12406/Latest		
	Table top plain side	Edge banded with PVC tape of 2 mm thick with help of hot melt glue		
	Material of Gable end and modesty panel	18 ±3 mm Thick Three Layers Pre-laminated Particle Boards Of Grade-II Type-III Of IS:12823/Latest Both Sides Particle Boards Matching With Top Shade In Grade-II Type-III		
3	DIMENSION			

SECTION VII – SCHEDULE OF REQUIREMENTS

	Length of Each Seat of Work Top	675 ± 20 mm for single AND 1350 ± 20 mm For dual		
	Depth of Work Top	600 ± 20 mm		
	Height of Work Top	750 ± 20 mm		
	Corners of Work Top	850 ± 20 mm		
4	COLOUR & FINISH			
	Table top finish	Membrane Finish		
	Colour of top finish	Oak		
	Plain sides of gable end and modesty panel finish	Edge banded with 0.8-1.0 mm thick PVC tape with the help of hot glue		
5	WARANTY	1 Year		
6	CERTIFICATION	Greenguard By UL Environment		

Item No. 28: Conference Table 24 seater				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	GENERIC			
	Selling Unit	Selling unit is per seat. Seller to offer prices in tremes of price per seat. While ordering, buyer to order for quantity of seats required in conference table.		
	Type of Seating Offered	Single Seating, Dual Seating		
	Two Long Sides of Table	Have Post Form Half Round Profile		
	Top Fixing	With gable end and modesty panel using Mini Fix And Wooden Dowel By Using (Knock Down) System For Interconnecting		
	Number of dual seater	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,N.A		
	Number of corners for work top	1,2,3,4		
	Mode of Supply of modular table	Knocked Down To Be Assembled At Consignee Site By The Seller		

SECTION VII – SCHEDULE OF REQUIREMENTS

2	MATERIAL			
	Material of work top	36 ± 3 mm Thick Flat Single Layer MDF Board Of Grade SBG-II Of IS:12406/Latest		
	Table top plain side	Edge banded with PVC tape of 2 mm thick with help of hot melt glue		
	Material of Gable end and modesty panel	18 ± 3 mm Thick Three Layers Prelaminated Particle Boards Of Grade-II Type-III Of IS:12823/Latest Both Sides Particle Boards Matching With Top Shade In Grade-II Type-III		
3	DIMENSION			
	Length of Each Seat of Work Top	675 ± 20 mm for single AND 1350 ± 20 mm For dual		
	Depth of Work Top	600 ± 20 mm		
	Height of Work Top	750 ± 20 mm		
	Corners of work top	850 ± 20 mm		
4	COLOUR & FINISH			
	Table top finish	Membrane Finish		
	Colour of top finish	Oak		
	Plain sides of gable end and modesty panel finish	Edge banded with 0.8-1.0 mm thick PVC tape with the help of hot glue		
5	WARANTY	1 Year		
6	CERTIFICATION	Greenguard by UL Environment		

Item No. 29: Reception Table				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	Dimension			
	Top shall be of Rubberwood with clean Matt PU finish	18 mm thick, inside radius - 700 mm, outside radius - 1350 mm and depth - 650 mm		
	Cork	18 mm thick of rubber		
	Glass	Frostered 10 mm thick diamond cut finishing on edges, inside radius shall be - 1202.5 mm, outside radius -		

SECTION VII – SCHEDULE OF REQUIREMENTS

		1402.5 mm and depth - 200 mm		
	The Modesty Panel shall be	MS Perforated sheet below worksurface: 0.8 mm (thick) x 665 mm (height) x 1345 mm (flat length). Above Worksurface: 0.8 mm (thick) x 260 mm (height) x 1345 mm (flat length)		
	The legs	MS tube 1.6 mm thick diameter 50.8 mm and height 604 mm		

Item No. 30: Mattress 78x72				
S.n o.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	DIMENSION	1981 mm X 1829 mm		
2	NUMBER OF LAYERS	Two Layers		
3	THICKNESS			
	Thickness of Core Layer 1	50 mm		
	Thickness of Core Layer 2	50 mm		
4	MATERIAL			
	Material of Core Layer 1	PU Foam		
	Material of Core Layer 2	PU Foam		
	Material of Top Layer	Not Applicable		
	Material of Bottom Layer	Not Applicable		
5	QUILTING FOAM			
	Quilting	Both Side Quilting (Double Sided)		
	Quilting Material	PU Foam		
	Density of Quilting Material	18 ± 2 Kg/m ³		
	Thickness of Quilting	8 ±2 mm		
6	MATTRESS COVER			
	Fabric Composition	Polyester		
	Construction	Woven		
	Fabric Mass (80 gms/m ²		

SECTION VII – SCHEDULE OF REQUIREMENTS

	Minimum)			
	Fabric Colour/Print/Pattern	Printed		
	Flame Resistant Fabric	Not Applicable		
7	SURFACE FINISH			
	Surface Finish of Mattress	Without Convolution		
8	DENSITY			
	Core Layer 1 Density	28 Kg/m ³		
	Core Layer 2 Density	28 Kg/m ³		
9	OTHER REQUIREMENTS			
	Mattress Top	Box Type		
10	COMPRESSION SET			
	Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max)	0.1		
11	RESISTANCE TO AGEING			
	Resistance to Ageing for PU Foam as per IS 7888 latest (max)	Shall meet the requirement of IS 7933 Latest		
12	DURABILITY / RESISTANCE TO FLEXING			
	Durability Test for PU Foam as per IS 7888 latest	Shall meet the requirement of IS 7933 Latest		
	Durability Test for Complete Mattress	loss of height not more than 13 mm (as per ASTM 1566)		
13	WARRANTY	2 Year		

Item No. 31: Corner Table				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	MATERIAL			
	Top material	Medium Density Fibreboard		
	Frame material	Other wood		
	Leg material	Other wood		
	Material of Understructure	Other wood		

SECTION VII – SCHEDULE OF REQUIREMENTS

	supporting the top			
	Storage material	Medium Density Fibreboard		
	Shoes Material	Nylon		
2	GENERIC			
	Mode of supply	Knocked down to be assembled at Consigning site by the seller		
	Shape of the Centre table	Rectangular		
	Style of Centre Table	Supported by set of Legs		
	Design of centre table	With four legs only		
3	DIMENSION & THICKNESS			
	Dimension of Top (length X Breadth)	530(±20) mm X 450(±20) mm		
	Height of centre table ±10 mm	460 ±10 mm		
	Thickness of top material (+/-2 mm)	18 ±2 mm		
	Thickness of frame material (+/- 1 mm)	36 ±1 mm		
	Thickness of leg material	35 mm X 35 mm		
	Thickness of understructure support material	36 mm		
4	MISC			
	connecting of leg	Adjacent side of leg		
	Number of buffers	Four number at bottom		
5	COLOUR & FINISH			
	Table top finish	Natural		
6	WARRANTY	1 Year		

Item No. 32: Curtain Blackout Roller Blind				
S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
	Opening style	Roll up / Roll down		
1	Mounting arrangement	Bracket systems – to install functional roller blind mechanism		
2	Types of roller blind	Blackout roller blind		
3	Shading solution	Single roller blind – utilise one layer of fabric (called		

SECTION VII – SCHEDULE OF REQUIREMENTS

		outer layer)		
4	Operating mechanism	Side winders (that lock the manually adjustable blinds at different levels with the internal ratchet and tension adjusted by spring inside the tube)		
	Roller blind fitting option	Inside mount (recess fit) – on the interior of the window frame		
	Type of bottom rail	Flat		
	Control unit material	Polyester reinforced plastic		
	Installation Bracket type	“L” brackets		
	Bracket Material	Mild steel and Zinc plated		
	Springs	Rustproof High carbon steel springs		
	Top roller type	Aluminium pipe with groove (to fix the fabric in the groove)		
	Head rail material	Aluminium exclusion rail powder coated		
	Chain type	Endless beaded chain		
	Chain material	4.2 mm ABS plastic bead moulded on 1.5 mm thick polyester coat		
	Pitch of the beads	6 mm		
	Roller tube Material	Anodized extruded tube of high strength alloy		
	Inner diameter	38 mm		
	Wall thickness of roller tube	1 mm		
	End plug	ABS reinforced plastic		
	Bottom rail Material	Aluminium extruded rail with groove		
	Cassette made Material	Aluminium extruded rail		
	Powder coating thickness	Min. 50 microns		
	Blinds width	1000 mm		
	Blinds length	1000 mm		
	Fabric material	PVC		
	Light blocking percentage of outer layer (in case of Single	100 percent		

SECTION VII – SCHEDULE OF REQUIREMENTS

	and dual roller blinds both)			
	Fabric Weight in GSM)	350± 10 gms		
	Colour fastener to light (Rating range)	5		
	Warranty	1-year		

Item No. 33: Curtain

S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	Material	Polyester and Glace cotton		
2	Per meter weight	300 gms/m		
3	width	48"		
4	Length	As per requirement		
5	Colour	Purchaser Choice		

Item No. 34: Curtain Road

S. No.	Description	Required Specification and standers as per bidding document	Specification Offered	Remarks
1	Material	Hollow- Material Stainless steel		
2	Weight	100 gms/feet		
3	thickness	20 gauge		
4	Dimeter	25 mm		

4. DRAWINGS

5. Inspections and Tests

The following inspections and tests shall be performed:

5.1 General:

1. After manufacture, the supplier shall get each equipment/item of Goods inspected in manufacturer's works as per approved datasheets and QAP and forward to the Purchaser along with his letter seeking to inspect a equipment/item of Goods conform to contract specifications.
2. Upon receipt of the test certificate and calibration certificates, the purchaser or its representative shall arrange for inspection and/or test of any or part or all the equipment /Goods prior to issuance of dispatch clearance at bidder's warehouse in India. In cases where the supplies are received from abroad, the purchaser may waive the pre-dispatch inspection. All the arrangements in respect of inspection of equipment/goods as mentioned shall be executed by the bidder at its own cost.
3. However, the inspection and dispatch clearance by the Purchaser or the waiver thereof shall not prejudice the right of the Purchaser or its consignee to test the equipment/goods on receipt at destination. Upon receipt of the goods at final destination, the Purchaser shall have the right to inspect and/or test the equipment/Goods to confirm their conformity to contract specifications.
4. If the equipment fails to meet the contract specifications during inspection, whether pre-dispatch or upon receipt at final destination, the supplier shall take immediate steps to remedy the deficiency or replace the defective equipment to ensure that all supplies meet with the specifications specified in the contract

5.2 Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

1. The inspection of the Goods shall be carried out to check whether the Goods are in conformity with the approved technical specifications attached to the contract and shall be in line with the inspection/test procedures laid down in the Technical Specifications and the General Conditions of contract. Following broad test procedure will generally be followed for inspection and testing of equipment. The supplier will dispatch the goods to the ultimate consignee after internal inspection testing along with the supplier's inspection report and manufacturer's warranty certificate. The purchaser will test the equipment after completion of the installation and commissioning at the site of the installation.
 - a. Site Preparation and Installation: The Purchaser will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection before the installation. In case there is a delay in handing over the site by the purchaser ,appropriate extension of time shall be granted without imposition of liquidated damages in accordance with the provisions of contract.
 - b. For site preparation, the supplier should furnish all details to the purchaser sufficiently in advance so as to get the works completed before receipt of the equipment.
2. Complete Goods as specified in 'List of Goods and Delivery Schedule' Under the Schedule of Requirement should be supplied, installed and commissioned properly by the supplier prior to commencement of performance tests.
3. The acceptance test will be conducted by the purchaser/their consultant or any other person nominated by the purchaser, at its option. The acceptance will involve trouble-free operation

for fifteen consecutive days. There shall not be any additional charges for carrying out acceptance tests.

4. In the event of the items fails to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the purchaser reserves the rights to get the equipment replaced by the supplier at no extra cost to the purchaser.

5.3 ACCEPTANCE PROTOCOL

General

- a. The delivery of goods should be in accordance with the contract agreement and the process of delivery will adhere to the following ‘Acceptance Protocol’. The Acceptance Protocol shall serve as a formal guidance during delivery of the furniture. Its primary goals are twofold.
 - i. Ascertain the delivery and completeness of all ordered products and related documents.
 - ii. Check the functioning of the furniture in a formal way against the specifications by application of Acceptance Tests. The tests also verify the accuracy and stability of the equipment.
- b. The Acceptance Protocol shall be executed in close co-operation between the Supplier and the Client.
- c. Products shall be accepted only if they meet the requirements and are functioning in compliance with the approved technical specifications, approved QAP and the related documents are complete and correct. Defective products and any other discrepancies shall have to be replaced/ resolved, within a pre-defined time frame.

Documents

The following documents shall accompany the delivery of the furniture:

- i. Administrative and Quality Assurance (QA) documents
 - ii. Test and calibration documents
 - iii. Manuals and Guidelines
- All documents shall have identification and references to subject or instrument, date, time, location and officer in charge.
- d. The Acceptance Report lays down the findings and observations during the execution of the Acceptance Protocol and is a formal document to record the acceptance or rejection of any item as covered in the Bid document. Any flaws or findings are to be reported. The forms and checklists filled out during the execution of the Acceptance Protocol are to be enclosed with the Acceptance Report. The Supplier receives a signed copy of the Acceptance Report, which the Supplier can use as proof that the items listed in the report were accepted.
 - e. The content of the various documents shall be as follows:

5.4 Administrative and QA documents: These QA documents shall include:

- i) Production documents associated with the furniture.

- ii) Type codes, serial numbers and other identification data on, possibly externally procured and major assemblies, to clearly demarcate the major assemblies associated with furniture.
- iii) Shipping documents indicating instrument/product type, serial number, and other similar data.

5.5 Test and calibration documents:

- i) A comprehensive Method Statement on the applied calibration and in-factory test procedures shall accompany the bid. The Method Statement should define the test and calibration methods applied on the instruments and the components thereof. The Method Statement shall also include, for each calibrated product, an audit trail to national standards on all instruments and facilities used for testing and calibration. The Audit Trail Report shall associate the calibration of the reference instruments and test equipment to the national calibration standards.
- ii) If the Supplier or Manufacturer is not in a position to deliver an Audit Trail Report to the national standards, the Manufacturer shall explain what the quality standards are and how they are maintained and monitored.
- iii) Conditions during calibration, such as room and/or instrument temperature, equipment and facilities used, shall be included in the calibration and test documents.
- iv) The test and calibration documents (QAP) shall contain the data generated during calibration and testing, including:
 - Calibration data provided by the Manufacturer for all instruments
 - Test related to furniture as per relevant IS codes.

5.6 Manuals and Guidelines

- i) The manuals shall meet the requirements on style and clarity, completeness, preciseness, detail and accessibility.

5.7 Acceptance Tests

1. General

- i) Qualified engineers under responsibility of a test manager shall execute the Acceptance Tests. The progress of the Acceptance Tests would be monitored and supervised by the Client and/or his authorised representative. The Client may have any tests redone or additional tests executed as deemed required based on the results of previous tests conducted. The Client's and/or his authorised representative shall have the right of access to any instrument and may request any data or information at any time. The Supplier has the obligation to deliver requested information without delay; i.e. collected test data and documents must be available at the test site.
- ii) The charges for testing shall be borne by the Manufacturer/Supplier. The Client and/or his authorised representative may at his cost opt to be present during the performances of the tests.

5.8 Site Acceptance Protocol

In order to facilitate the site acceptance of the system by the site – in – charges, the Bidder should give a list of deliverables for each site to the respective sites as well as to the headquarters. The list shall be verified by the site – in – charge and accordingly will give a verification report whether all deliverables have been delivered properly at the site. The Bidder should preferably, complete the required civil works at the site for proper installation of the equipment before supplying the equipment at the site

For site acceptance test, the supplier should give a check – list of all components and their functions. This check list shall be decided in consultation with the purchaser. This check list shall indicate the tests to be conducted at the site and the results that are expected for each and every component that are to be installed at the site. This check list will have to be provided to each and every site one month before the installation begins.

5.9 Spare parts

Bidder shall provide the list of mandatory spare parts & ensure the availability of sufficient spare parts in its godown for fulfilling its service obligations during warranty period. The same can be inspected by Engineer-in Charge or its authorized representative.

5.10 Manuals

Before the goods are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals of the goods and equipment. These shall be in such detail as will enable the Purchaser to operate, maintain, adjust and repair all parts of the equipment as stated in the specifications. The manuals shall be in the ruling language (English) and in such form and numbers as stated in the contract.

Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals have been supplied to the Purchaser.

5.11 Acceptance Certificates:

On successful completion of acceptability test, receipt of deliverables etc. and after the purchaser is satisfied with the working of the furnitures, the acceptance certificate signed by the supplier and the Engineer-in-Charge and/or the representative of the purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the systems.

6.0 PROFORMA OF CERTIFICATE FOR ISSUE BY THE PURCHASER AFTERSUCCESSFUL INSTALLATION AND STARTUP OF THE SUPPLIED GOODS

[This is to be attached for supply, erection, supervision of erection and startup contracts only]

No.

Date:

M/s.

Sub: Certificate of startup of the supplied Goods

1. This is to certify that the plant/s as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para No. 2) and a set of spares in accordance with the Contract/Specifications. The same has been installed and commissioned.

- (a) Contract No. _____ dated _____
- (b) Description of the plant _____
- (c) Plant Nos. _____
- (d) Quantity _____
- (e) Rail/Roadways Receipt No. _____ dated _____
- (f) Name of the consignee _____
- (g) Date of startup and proving test _____

2. Details of accessories/spares not yet supplied and recoveries to be made on that account.

<u>S. No.</u>	<u>Description</u>	<u>Amount to be recovered</u>
---------------	--------------------	-------------------------------

3. The proving test has been done to our entire satisfaction and operators have been trained to operate the plant.

4. The supplier has fulfilled his contractual obligations satisfactorily.*

or

The supplier has failed to fulfill his contractual obligations with regard to the following:

- (a)
- (b)
- (c)
- (d)

5. The amount of recovery on account of non-supply of accessories and spares is given under Para No. 2.

6. The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature _____

Name _____

Designation with Stamp _____

* Explanatory notes for filling up the certificates:

- (a) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to Technical Specifications.
- (b) He has supervised the startup of the plan in time i.e., within the period specified in the contract from the date of intimation by the Purchaser in respect of the installation of the plant.
- (c) Training of personnel has been done by the supplier as specified in the contract
- (d) In the event of documents/drawings having not been supplied or installation and startup of the plant have been delayed on account of the supplier, the extent of delay should always be mentioned.

PART 3 – CONTRACT

SECTION VIII– GENERAL CONDITIONS OF CONTRACT

Table of Clauses

1.	DEFINITIONS.....	142
2.	CONTRACT DOCUMENTS	143
3.	CORRUPT & FRAUDULENT PRACTICES.....	143
4.	INTERPRETATION	143
5.	LANGUAGE	144
6.	JOINT VENTURE, CONSORTIUM OR ASSOCIATION	144
7.	ELIGIBILITY	144
8.	NOTICES.....	144
9.	GOVERNING LAW.....	144
10.	SETTLEMENT OF DISPUTES.....	145
11.	INSPECTIONS AND AUDIT BY THE BANK	145
12.	SCOPE OF SUPPLY	145
13.	DELIVERY AND DOCUMENTS.....	145
14.	SUPPLIER’S RESPONSIBILITIES	145
15.	CONTRACT PRICE.....	146
16.	TERMS OF PAYMENT.....	146
17.	TAXES AND DUTIES.....	146
18.	PERFORMANCE SECURITY	146
19.	COPYRIGHT.....	147
20.	CONFIDENTIAL INFORMATION	147
21.	SUBCONTRACTING	147
22.	SPECIFICATIONS AND STANDARDS	148
23.	PACKING AND DOCUMENTS	148
24.	INSURANCE.....	148
25.	TRANSPORTATION& INCIDENTAL SERVICES	148
26.	INSPECTIONS AND TESTS	149
27.	LIQUIDATED DAMAGES	150
28.	WARRANTY	150
29.	PATENT INDEMNITY	151
30.	LIMITATION OF LIABILITY	152
31.	CHANGE IN LAWS AND REGULATIONS.....	152
32.	FORCE MAJEURE	152
33.	CHANGE ORDERS AND CONTRACT AMENDMENTS	153
34.	EXTENSIONS OF TIME.....	153
35.	TERMINATION.....	154
36.	ASSIGNMENT.....	155

Section VIII. General Conditions of Contract

1. Definitions

The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Bank” means the World Bank and refers to the International Bank for Reconstruction and Development (IBRD) or the International Development Association (IDA).
- (b) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- (e) “Day” means calendar day.
- (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) “GCC” means the General Conditions of Contract.
- (h) “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.
- (i) “Incoterms” means International Commercial Terms that are a series of pre-defined commercial terms published by the International Chamber of Commerce (ICC) relating to international commercial law. The Incoterms edition is Incoterms 2010.
- (j) “Purchaser’s Country is India.
- (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, start-up, training and initial maintenance and other such 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, 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

Section VIII. General Conditions of Contract

combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.

- (p) “The Project 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 Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Corrupt & Fraudulent Practices

- 3.1 The Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Appendix to the GCC.
- 3.2 The Purchaser requires the Supplier to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.

4. Interpretation

- 4.1 If the context so requires it, singular means plural and vice versa.
- 4.2 Incoterms.
- (a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties there under shall be as prescribed by Incoterms.
- (b) The terms EXW and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the SCC and published by the International Chamber of Commerce in Paris, France.
- 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 the parties with respect thereto made prior to the date of Contract.
- 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 No waiver
- (a) Subject to GCC Sub-Clause 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

Section VIII. General Conditions of Contract

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 English. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English language, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

6.1 Deleted

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, incorporated, or registered, 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 the Bank 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 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 Union of India.

Section VIII. General Conditions of Contract

- 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, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.
- 10.3 Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Purchaser shall pay the Supplier any monies due the Supplier.
- 11. Inspections and Audit by the Bank**
- 11.1 The Supplier shall keep, and shall make all reasonable efforts to cause its Subcontractors to keep, accurate and systematic accounts and records in respect of the Goods in such form and details as will clearly identify relevant time changes and costs
- 11.2 The Supplier shall permit, and shall cause its Subcontractors to permit, the Bank and/or persons appointed by the Bank to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Bank if requested by the Bank. The Supplier's and its Subcontractors and consultants' attention is drawn to Clause 3 [Fraud and Corruption], which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under this Sub-Clause 11.1 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures)
- 12. Scope of Supply**
- 12.1 The Goods and Related Services to be supplied shall be as specified in the **Special Conditions of Contract**.
- 13. Delivery and Documents**
- 13.1 Subject to GCC Sub-Clause 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 Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.
- 14. Supplier's Responsibilities**
- 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12,

Section VIII. General Conditions of Contract

and the Delivery and Completion Schedule, as per GCC Clause 13.

- | | |
|---------------------------------|--|
| 15. Contract Price | 15.1 Prices charged by the Supplier for the Goods supplied 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, including any Advance Payments, if applicable, 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 13 and upon fulfillment of all other obligations stipulated in the Contract.
16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
16.4 The payments shall be made in Indian Rupees to the Supplier under this Contract.
16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the SCC, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the SCC, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award. |
| 17. Taxes and Duties | 17.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser. |
| 18. Performance Security | 18.1 If required as specified in the SCC, the Supplier shall, within twenty-one (21) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount 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 As specified in the SCC, the Performance Security shall be denominated in the Indian Rupees, and shall be in the format stipulated by the Purchaser in the SCC, or in another format acceptable to the Purchaser.
18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC. |

Section VIII. General Conditions of Contract

- 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 performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) the Purchaser or Supplier need to share with the Bank 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. Such notification, in the original bid or later shall not 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 Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VII, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- (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) 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 Schedule of Requirements. 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 goods' final destination 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—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 & Incidental Services

25.1 Unless otherwise specified in the SCC, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.

25.2 The Supplier may be required to provide any or all of the following

Section VIII. General Conditions of Contract

services, including additional services, if any, **specified in Schedule of Requirements and SCC:**

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods

25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, 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.

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 the **SCC**.

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 Goods' final destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 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 Sub-Clause 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

Section VIII. General Conditions of Contract

Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery 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 Sub-Clause 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 Sub-Clause 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 by the Date(s) of delivery 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 delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those 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 Sub-Clause 22.1(b), 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 sixty (60) 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 sixty six (66) months after the date of shipment from the port or place of loading in the country

Section VIII. General Conditions of Contract

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 Sub-Clause 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 Sub-Clause 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 twenty-eight (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

Section VIII. General Conditions of Contract

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 criminal negligence or willful misconduct,

- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser, and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the 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 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in India, 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

Section VIII. General Conditions of Contract

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/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 twenty-eight (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.

33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

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 13, 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.

Section VIII. General Conditions of 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 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written 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;
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) 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.
- (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.

35.2 Termination for Insolvency.

- (a) 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 twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

Section VIII. General Conditions of Contract

- (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.

APPENDIX TO GENERAL CONDITIONS
Bank's Policy- Corrupt and Fraudulent Practices

(Text in this Appendix shall not be modified)

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011:

“Fraud and Corruption:

1.16 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts.¹⁰ In pursuance of this policy, the Bank:

- (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;¹¹
 - (ii) “fraudulent practice” is 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;¹²
 - (iii) “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;¹³
 - (iv) “coercive practice” is 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;¹⁴
 - (v) "obstructive practice" is:
 - (aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in

¹⁰ In this context, any action to influence the procurement process or contract execution for undue advantage is improper.

¹¹ For the purpose of this sub-paragraph, “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

¹² For the purpose of this sub-paragraph, “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

¹³ For the purpose of this sub-paragraph, “parties” refers to participants in the procurement process (including public officials) attempting either themselves, or through another person or entity not participating in the procurement or selection process, to simulate competition or to establish bid prices at artificial, non-competitive levels, or are privy to each other's bid prices or other conditions.

¹⁴ For the purpose of this sub-paragraph, “party” refers to a participant in the procurement process or contract execution.

Section VIII. General Conditions of Contract

order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or

- (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 1.16(e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;
- (c) will declare mis-procurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;
- (d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank's sanctions procedures,¹⁵ including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated¹⁶;
- (e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank."

¹⁵ A firm or individual may be declared ineligible to be awarded a Bank financed contract upon: (i) completion of the Bank's sanctions proceedings as per its sanctions procedures, including, inter alia, cross-debarment as agreed with other International Financial Institutions, including Multilateral Development Banks, and through the application the World Bank Group corporate administrative procurement sanctions procedures for fraud and corruption; and (ii) as a result of temporary suspension or early temporary suspension in connection with an ongoing sanctions proceeding. See footnote 14 and paragraph 8 of Appendix 1 of these Guidelines.

¹⁶ A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which has either been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.

SECTION IX. SPECIAL CONDITIONS OF CONTRACT

Section IX. Special Conditions of Contract

SECTION IX. SPECIAL CONDITIONS OF CONTRACT	
The following Special Conditions of Contract (SCC) shall supplement and/or amend 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 is: <i>Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee- 247667</i>
GCC 1.1 (o)	The Project Site(s)/Final Destination(s) is/are: SWIC Building at Roorkee
GCC 4.2 (a)	The meaning of the trade terms shall be as prescribed by Incoterms.
GCC 4.2 (b)	The version edition of Incoterms shall be 2010.
GCC 8.1	For notices, the Purchaser's address shall be: <i>Superintending Engineer, Research Circle, Irrigation Research Institute, Roorkee, District-Haridwar, Uttarakhand-247667 INDIA Telephone: 91-1332-265174 Facsimile number: 01332-262792, 01332-262487 E-mail: uttarkhandwrd@gmail.com</i>
GCC 9.1	The governing law shall be law of INDIA
GCC 10.2	Settlement of Disputes The dispute settlement mechanism to be applied for adhoc arbitration shall be as follows: <p>(a) In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996 as amended up-to-date. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Indian Council of Arbitration.</p> <p>(b) In the case of a dispute with a Foreign Supplier, the dispute shall be settled in accordance with provisions of UNCITRAL (United nations Commission on International Trade Law) Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the parties, and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Indian Council of Arbitration.</p>

Section IX. Special Conditions of Contract

	<p>(c) If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Indian Council of Arbitration, both in cases of the Foreign supplier as well as Indian supplier, shall appoint the arbitrator. A certified copy of the order of the Indian Council of Arbitration, making such an appointment shall be furnished to each of the parties.</p> <p>(d) Arbitration proceedings shall be held at Dehradun India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.</p> <p>(e) The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.</p> <p>(f) Where the value of the contract is Rs. 10 million and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely the Indian Council of Arbitration.</p> <p>(g) Except otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute.</p>
<p>GCC 12.1 and 25.2</p>	<p>The scope of supply for the Goods and Related Services to be supplied shall be as specified <i>in Schedule of Requirements</i>.</p>
<p>GCC 13.1</p>	<p>Details of Shipping and other Documents to be furnished by the Supplier are given below:</p> <p>Upon delivery of the goods to the transporter/consignee, the supplier shall notify the purchaser and mail the following documents to the Purchaser:</p> <ul style="list-style-type: none"> (i) Three Copies of the Supplier invoice showing contract number, goods description, quantity, unit price, total amount; (ii) Delivery note, Railway receipt, or Road consignment note or equivalent transport document or acknowledgement of receipt of goods from the Consignee; (iii) Three Copies of packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturer's/Supplier's warranty certificate; (vi) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report; and (vii) Certificate of origin. <p>The above documents shall be received by the Purchaser before arrival of the Goods (except where it is handed over to the Consignee with all documents) and if not received, the supplier will be responsible for any</p>

Section IX. Special Conditions of Contract

	consequent expenses.
GCC 14.1	<p>ADD to GCC 14.1;</p> <p>The supplier is responsible for and obliged to conduct all contracted activities in accordance with the contract using state- of- the- art methods and economic principles and exercising all means available to achieve the performance specified in the Contract. The Supplier is obliged to work closely with the Purchaser’s staff, act within its own authority and abide by directives issued by the Purchaser and implementation activities. The Supplier will abide by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life the cause of which is the supplier’s negligence. The Supplier will pay all indemnities arising from such incidents and will not holding the activities of its personnel or sub-contracted personnel and will hold itself responsible for any misbehavior/ misconduct. The Supplier will treat as confidential all data and information about the purchaser, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Purchaser.</p>
GCC 15.1	The prices charged for the Goods supplied and the related Services performed <i>shall not</i> be adjustable.
GCC 16.1	<p>(a) Payment shall be made in Indian Rupees in the following manner:</p> <p>(i) Advance Payment: Nil</p> <p>(ii) 90% (Ninety Percent) of the contract price excluding total GST amount charged in Invoice against Supply of Goods shall be released after 30 days of the successful testing, commissioning and training before/during commissioning and their the final acceptance both equipments.</p> <p>(iii) 10% (Ten Percent) of the Contract Price to be paid after one year of successful testing, commissioning inclusive of GST payable, subjected to good running conditions of the equipment as per service level agreement mentioned in technical specifications apart from above payment.</p> <p>(b) NA</p> <p>(c) The bidder shall indicate in the Price Schedules specifying all items prices shown therein including the unit prices and total prices of the goods and related services along with GST or any other duties and taxes applicable against the schedule of requirements. GST if liveable shall be paid as applicable. Any statutory variation shall be paid on submission of documentary evidence. Bidders shall be required to quote HSN code and applicable tax rates.</p> <p>“GST” means all four Acts CGST, SGST, UTGST, IGST and any other regulations by Government in relation to GST and rules thereto.</p>
GCC 16.5	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 60 days</p> <p>The interest rate that shall be applied is 2% per annum.</p>

Section IX. Special Conditions of Contract

GCC 17	In the case of tax/ duty waiver, the purchaser will issue only the certificates in terms of the Government of India’s notification as per information given by supplier in form stipulated in Section IV. Supplier is solely responsible for obtaining such benefits and in case of failure to receive such benefits, the purchaser will not compensate the supplier separately.
GCC 18.1	<p>Within 21 days of notification of award, the supplier shall furnish the Performance Security to the Purchaser shall be for an amount of 5% of the contract value, valid upto 60 days after the date of completion of performance obligations including warranty obligations.</p> <p>In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/ replaced material shall be extended to a further period of 12 months and the Performance Bank guarantee for proportionate value shall be extended 60 days over and above the extended warranty period.</p>
GCC 18.3	The Performance Security shall be in the form of a “Bank Guarantee/FDR” drawn in favour of Purchaser.
GCC 18.4	Discharge of the performance Security shall take place not later than 60 days following the date of completion of the Supplier’s performance obligations, including the warranty obligation, under the contract.
GCC 18.5	<p>Add as Clause 18.5 to the GCC the following:</p> <p>In the event of any contractual amendment, the Supplier shall, within 28 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty services obligations.</p>
GCC 23.2	<p><u>Packing Instructions:</u> The Supplier will be required to make separate packages for each Consignee. Each package will be marked on three sides with proper paint/indelible ink with the following:</p> <p>(i) Project; (ii) Contract No.; (iii) Country of Origin of Goods; (iv) Supplier’s Name; (v) Packing List Reference Number.</p> <p>Suppliers should use recycled materials as much as possible for packing</p>
GCC 24.1	The insurance shall be paid in an amount equal to 110 percent of the EXW value of the Goods from “Warehouse to warehouse (final destination)” on “All Risks” basis including War Risks and Strikes.
GCC 25.1	The Supplier is required under the Contract to transport the Goods duly insured to the specified final destination, and all related costs shall be included in the Contract Price.
GCC 25.2	Incidental services to be provided are: All services under GCC clause 25.2
GCC 26.1	<p>The inspections and tests shall be as detailed in Para 5 of Section VII-Schedule of Requirement:</p> <p>The supplier shall get each item indicated in the Schedule of requirement inspected in manufacturer’s works or at the premises of supplier and submit a</p>

Section IX. Special Conditions of Contract

	<p>test certificate and also manufacturer's guarantee /warranty certificate that the items are conforms to the laid down specification.</p> <p>The Purchaser or its representative may inspect and /or test any or all the items to confirm their conformity to the contract specification, prior to dispatch from the manufacturer's premises/ supplier's premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the items on receipt at destination to verify conformity to technical specification.</p> <p>If the items are fails to meet the laid down specifications the supplier shall take immediate steps to remedy the deficiency or replace the defective parts of the each to the satisfaction of the purchaser/ consignee.</p>
GCC 26.2	The Inspections and tests shall be conducted at: <i>Roorkee</i>
GCC 27.1	The liquidated damages shall be: 0.5% of contract price per week or part thereof.
GCC 27.2	The maximum amount of liquidated damages shall be: 10% of the Contract price.
GCC 28.3	The period of validity of the Warranty shall be as per warranty specified in technical specifications after successful supply, installation and acceptance.
GCC 28.5	<p>The period for repair or replacement shall be: 15 days.</p> <p>The maximum response time for a complaint from the Purchaser/ authorized officer for the defect/breakdown after a request sms/ fax /e-mail is made or letter is written shall not exceed 48 hours. Upon receipt of such notice, the Supplier shall, visit the site and repair or replace the defective Goods or parts thereof, without cost to the Department within stipulated time of 15 days.</p> <p>If anyone equipment continues to remain "breakdown" for more than 15 days, the Supplier is liable to pay penalty @ Rs.1000/- per Day/ equipment. The Day for the purpose of penalty shall be taken as failure period of 24 hours or part thereof for particular equipment. The amount of penalty will be recovered from performance bank guarantee or payment due to bidder during warranty period</p>
GCC 28.6	The maximum period shall be 14 days
GCC 31.1	This clause will apply only to variations in GST and other taxes payable in India on the final product which is being supplied and not for variations in tax on the individual components / raw materials which go into the product.
GCC 33.5	During the validity of the contract, the supplier shall supply and replace / reinstall /recommission goods in case of damage/theft or vandalism not attributable to the supplier, as per applicable line item/items listed in Price schedule for supply of goods as per schedule of requirement and Price and completion schedule – related services of this contract and payment shall be accordingly made at the quoted rates in this contract by the supplier for the line item. The procedure adopted shall be in accordance with GCC 33 Change orders and contract amendments.

<p>GCC 37</p>	<p>37.1 Supplier integrity: The supplier is responsible for and obliged to conduct all contracted activities in accordance with the contract using state- of- the- art methods and economic principles and exercising all means available to achieve the performance specified in the Contract.</p> <p>37.2 Supplier’s obligations: The Supplier is obliged to work closely with the Purchaser’s staff, act within its own authority and abide by directives issued by the Purchaser and implementation activities.</p> <p>The Supplier will abide by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life the cause of which is the supplier’s negligence. The Supplier will pay all indemnities arising from such incidents and will not hold the purchaser responsible or obligated.</p> <p>The Supplier is responsible for managing the activities of its personnel or sub- contracted personnel and will hold itself responsible for any misdemeanors.</p> <p>The Supplier will treat as confidential all data and information about the purchaser, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the Purchaser.</p> <p>37.3 Site preparation and installation: The supplier is responsible for associated civil work required for installation and commissioning of the supplies in the Schedule of Requirement under the heading of Relative services</p> <p>37.4 Hardware installation: The Supplier is responsible for all unpacking, assemblies, wiring, installations, cabling between hardware units and connecting to power supplies. The Supplier will test all hardware operations and accomplish all adjustments necessary for successful and continuous operation of the hardware at all installation sites.</p>
----------------------	---

Attachment: Price Adjustment Formula

deleted

SECTION X – CONTRACT FORMS

1. LETTER OF ACCEPTANCE

[Letterhead paper of the Purchaser]

[Date]

To: *[name and address of the Supplier]*

Subject: **Notification of Award Contract No.**

This is to notify you that your Bid dated *[insert date]* for execution of the
. *[insert name of the contract and identification number, as given in the SCC]*
. for the Accepted Contract Amount of *[insert amount in numbers and words in Rupees]*, 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 21 days in accordance with the Conditions of Contract, using for that purpose the of the Performance Security Form included in Section X, Contract Forms, of the Bidding Document.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

Attachment: Contract Agreement

2. CONTRACT AGREEMENT

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made

the *[insert: **number**]* day of *[insert: **month**]*, *[insert: **year**]*.

BETWEEN

- (1) *[insert complete name of Purchaser]*, a *[insert description of type of legal entity, for example, an agency of the Ministry of of the Government of {insert name of Country of Purchaser}, or corporation incorporated under the laws of {insert name of Country of Purchaser}]* and having its principal place of business at *[insert address of Purchaser]* (hereinafter called “the Purchaser”), and
- (2) *[Insert name of Supplier]*, a corporation incorporated under the laws of *[insert: country of Supplier]* and having its principal place of business at *[insert: address of Supplier]* (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in Rs]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract Agreement. This Agreement 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 below.
 - (a) The letter of Acceptance
 - (b) this Contract Agreement
 - (c) Letter of Bid – Technical Part
 - (d) The Supplier’s letter of Bid – Financial Part and original completed Schedules including Price Schedules
 - (e) Special Conditions of Contract
 - (f) General Conditions of Contract
 - (g) Technical Requirements (including Schedule of Requirements and Technical Specifications)
 - (h) *[Add here any other document(s) listed in GCC/SCC as part of contract]*
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and

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 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 *[insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed:.....
Designation:
Address:
.....
.....
Place:
Date:

For and on behalf of the Supplier

Signed:.....
Designation:
Address:
.....
.....
Place:
Date:

In the presence of

Signature of Witness:
Name:
Address:
.....
.....
Place:
Date:

In the presence of

Signature of Witness:
Name:
Address:
.....
.....
Place:
Date:

3. Performance Security - Bank Guarantee
[Guarantor letterhead or SWIFT identifier code]

Performance Guarantee No.....*[insert guarantee reference number]*

Date.....*[insert date of issue of the guarantee]*

To: _____ *[name of Purchaser]*

_____ *[address of Purchaser]*

WHEREAS _____ *[name and address of Supplier¹⁷]* (hereinafter called "the Applicant") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ *[name of Contract and brief description of Goods and related Services]* (hereinafter called "the Contract");

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

AND WHEREAS we have agreed to give the Applicant such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Applicant, up to a total of _____ *[amount of guarantee¹⁸]* _____ *[in words]*, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of guarantee]* as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Applicant before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Goods and related Services to be supplied thereunder or of any of the Contract documents which may be made between you and the Applicant shall in any way release us from any

¹⁷*In the case of a JV, insert the name of the Joint Venture*

¹⁸*An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Indian Rupees.*

liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until (i.e.) 60 days following the Completion date of the Contract including any warranty obligations¹⁹, and any demand for payment under it must be received by us at this office on or before that date.

Signature and seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹⁹ Completion date as described in SC Clause 18.4

4. BANK GUARANTEE FOR ADVANCE PAYMENT

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year) of Bid Submission]*
NCB No. and title: *[insert number and title of bidding process]*

[bank's letterhead]

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

ADVANCE PAYMENT GUARANTEE No.:*[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert date of Agreement]* with you, for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)²⁰ in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date²¹]*.

This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

[signature(s) of authorized representative(s) of the bank]

1.

²⁰The bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC.

²¹ Insert the Delivery date stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank. 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: "We agree 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 us before the expiry of the Guarantee."