

BID DOCUMENT

**E-Tender for
Supply of tools, equipments and furniture for different trades at ITI Kanchanpur**

**For Government Industrial Training Institute
Kanchanpur, North Tripura**

**NIE T No: 02/WITI (INR)/2017-18
(September, 2017)**

**Government of Tripura
Department of Industries & Commerce
Shilpa Udyog Bhavan, Khejurbagan,
Agartala, Tripura (West)
PIN - 799006**

(Visit us at <http://www.industries.tripura.gov.in>)

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GOVERNMENT OF TRIPURA
WOMEN'S INDUSTRIAL TRAINING INSTITUTE
INDRANAGAR; AGARTALA

NOTICE INVITING e-TENDER

(SECTION-I)

Electronic Bids are hereby invited by Principal, WITI, Indranagar, Agartala on behalf of Governor of Tripura under two bid e-procurement system from Manufacturers/Authorized dealers/bonafied suppliers etc. for the works of Supply, Installation (where necessary) and Commissioning (where necessary) of tools & equipments and furniture for ITI Kanchanpur, North Tripura.

(a)	e-Tender No	02/WITI (INR)/2017-18
(b)	Name of work	Supply of tools, equipment's and furniture for the trades(1)Plumber, (2)Computer Operator and Publishing Assistant (COPA), (3)Surveyor, (4) Mechanic Electronics, (5) Dress making at ITI, Kanchanpur, North Tripura.
(c)	Details of Website where e-Tender Paper is available	https://www.tripuratenders.gov.in http://www.industries.tripura.gov.in http://www.tenders.gov.in
(d)	E-tender Publishing date and time	20/09/2017 at 11:00 A.M
(e)	e-Tender Cost (Non-Refundable)	Rs. 5000.00 (Rupee Five thousand only) for each trade in the shape of Demand Draft or Deposit-at-Call receipt from any nationalized/ scheduled bank guaranteed by the Reserve Bank of India drawn in favour of "IMC of WITI Indranagar"
(f)	Earnest Money Deposit (EMD)	Rs. 50000.00 (Rupees Fifty Thousand only) for each trade in the shape of Demand Draft or Deposit-at-Call receipt from any nationalized/ scheduled bank guaranteed by the Reserve Bank of India drawn in favour of "IMC of WITI Indranagar"
(g)	Date of Pre Bid Consultative Meeting with place of meeting	Pre Bid meeting will be held on 25/09/2017 at 2:00 P.M at Conference Hall, Directorate of Industries & Commerce, Shilpa Udyog Bhavan, Khejurbagan, Agartala, Tripura (West)
(h)	Date of submission of the e-Tender Cost and EMD	Preferably after the pre-bid meeting and up to 4.00 P.M on 11/10/2017.
(i)	Receipt/Opening of Electronic Bids	Electronic Bid will be received up to 3:00 P.M on 16/10/2017 in the website https://www.tripuratenders.gov.in . The Bid will be opened by authorized officers on the same date at 4:00PM , if possible.
(j)	Place of opening of e-tender	Conference Hall, Directorate of Industries & Commerce, Shilpa Udyog Bhavan, Khejurbagan, Agartala, Tripura (West)
(k)	Completion of work.	Within 60 days. The time shall be reckoned from the 15 th (fifteenth) day of issue of supply orders.

2. To participate in the e-tendering process the Bidder/Tenderer has to register with the NIC portal i.e. <https://tripuratenders.gov.in>. Interested bidders may download the e-tender paper from website and upload the complete electronic tender papers in the website <https://tripuratenders.gov.in> after Pre-Bid consultative meeting. The firms desirous of applying for undertaking this work of supply should meet all criteria as per e-tender enquiry.

3. Bidders should upload e-tender form and their bids along with scanned copy of EMD, duly signed relevant papers etc. as detailed in the e-tender document on the website <https://tripuratenders.gov.in> before closing date & time.

4. In case of any un-scheduled holiday(s) or occurrence of some event beyond control of the purchaser on the day of opening, the e-tenders will be opened on the next working day at the same time.

Principal
W ITI Indranagar Agartala

SECTION-II: INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

1. On behalf of the Governor of Tripura e-Tender in 2(two) bid system is hereby invited by Principal, WITI Indranagar for procurement of tools, equipment, machineries & furniture for Plumber, Computer Operator and Publishing Assistant (COPA), Surveyor, Mechanic Electronics, and Dress making trades to be introduced at ITI Kanchanpur, North Tripura during the financial year 2017-18.
2. The bidder should be reputed manufacturer/ supplier/ authorized dealer/supplier of CPWD/MES & Railways having at least 5(five) years' experience in dealing with supply of engineering tools & equipments, machineries, office equipments, furniture etc.
3. **Bidders Qualification:** The bidder shall provide qualifying information, which shall include:
 - (a) Successfully executed at least one supply order directly by the bidder (not on behalf of or as agent of any other supplier) during last 3 (three) years to Government Organization/ Undertaking/Autonomous body/Government Society preferably in Tripura of monetary value not less than Rs. 50.00 lakhs.
 - (b) VAT/CST/GST clearance, as applicable
 - (c) Audited accounts and IT Return of last 5 (five) financial years in support of financial credibility.
 - (d) Turnover of the Company/Firm as per Audited balance sheet & IT Return during each of last 3(three) Financial Years shall not be less than 80% of the total quoted amount for the trade/trades in which the bidder intends to participate/supply.
 - (e) Copy of PAN
 - (f) Valid Trade License Registration Certificate.
 - (g) Address of Bidder's Service Centre at Agartala, Tripura with contact details supported by any authenticated documents like Trade license, Firm Registration etc.
 - (h) Bank Solvency Certificate
4. **Cost of Bidding:** The bidder shall bear all costs associated with the preparation and submission of the bid. The Purchaser, will in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
5. **Instructions for Online Bid Submission:** Bidders are instructed to submit the bids online through the Tripura Govt. Portal for e-Procurement at <https://tripuratenders.gov.in>
 - 5.1. Possession of valid Digital Signature Certificate (DSC) and enrolment/registration of the contractors/bidders on the e-procurement/e-tender portal is a prerequisite for e-tendering.
 - 5.2. Contractor/Bidder may go through the e-tenders published on the site and download the required e-tender documents/schedules for the e-tenders he/she is interested.
 - 5.3. After downloading / getting the e-tender document/schedules, the Bidder should go through them carefully and then upload the documents as asked, otherwise bid will be rejected.
 - 5.4. Corrigendum, if any will be published only in the websites <https://tripuratenders.gov.in>. If any clarification is required this may be obtained online through the e-tender site, or through the contact details or in the pre-bid meeting. Bidder should take into account all corrigendum published before submitting the bids online.
 - 5.5. It is construed that the bidder has read all the terms and conditions and accepted them before submitting their offer.
 - 5.6. Bidder, in advance, should prepare the bid documents to be submitted as indicated in

the e-tender document/schedule and generally, they can be in PDF/xls/rar/zip/dwf formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the e-tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded. Bid documents may be scanned with 100 dpi with black and white option.

- 5.7. Bidder should submit the e-Tender Cost and EMD separately in the shape of Demand Drafts (DD) or Deposit-at-Call from a nationalized/scheduled bank guaranteed by the Reserve Bank of India in two separate sealed envelopes either in person or by post at the "Office of the Principal, WITI, Indranagar, Agartala, Tripura, Pin-799006" (the envelopes shall be superscripted as "Cost of Bid Document" / "Earnest Money- Don't Open except by TEC" / with name of work and NIT number) along with a forwarding letter on any working day after e-publication of tender preferably after the pre-bid meeting and up to **4.00 P.M on 11/10/2017**. The purchaser shall not be responsible for any postal delay in receipt of e-Tender fee and EMD. In case the e-tender Fee and EMD are not received within the aforesaid period, the bid will be out rightly rejected. The bidder will furnish all the information on-line regarding e-Tender Fee and EMD. E-Tender Fee and EMD will be mandatory for all bidders without any relaxation/exception.
- 5.8. The bidder has to select the payment option as offline to pay the e-Tender Cost and EMD and enter details of the instruments.
- 5.9. The details of the DD/Deposit –at-call, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bids will not be accepted.
- 5.10 The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the e-tender.
- 5.11 The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
- 5.12 The price bid formats separately for each trade is provided as spread sheet files named like **BoQ_pricebid_Kanchanpur.xls** etc. The rates offered for a particular trade should be entered in the allotted space only and uploaded after filling the relevant columns. The Price Bid/BoQ template must not be modified/replaced/ tampered for any reason by the bidder. Bidder will be wholly responsible in case any such act and the bid will be straightway rejected.
- 5.13 The bidders are requested to submit the bids through online e-tendering system to the e- Tender Inviting Authority (eTIA) well before the bid submission end date & time (as per Server System Clock). The eTIA will not be held responsible for any sort of delay or difficulties faced during the submission of bids online by the bidders if not submitted well ahead.
- 5.14 The time settings fixed in the server side & displayed at the top of the e-tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
- 5.15 The bidder should logout of the e-tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
- 5.16 Resubmission/Re-uploading of bid is allowed before the date and time of closing of the bid.

- 5.17 1st Lowest (L1), 2nd lowest (L2) etc. of each item as seen online in the portal is only provisional. Final comparative rates will be decided by e-Tender Evaluation Committee (eTEC) after evaluation of the bids and final comparative statement will be uploaded in the website.

B. THE BID DOCUMENT:

6. BID DOCUMENTS:

- 6.1. The goods required, bidding procedures and contract terms are prescribed in the Bid Documents. The Bid Documents include:
- (a) Notice Inviting e-Tender (Section-I)
 - (b) Instructions to Bidders along with instructions for online bid submission (Section-II)
 - (c) General Conditions of the Contract (Section-III)
 - (d) Technical Specifications and Details of Requirements (Annexure I)
 - (e) Format for Bid Form (Annexure II)
 - (f) Price Schedules (for reference & read only purpose) (Annexure III)
 - (g) Format for Performance Security Bond Form (Annexure IV)
 - (h) Format for Contract Form (Annexure V)
 - (i) Format for Letter of authorization from competent authority to attend bid opening (Annexure VI)
 - (j) Check list and order in which the documents are to be submitted for Technical Bid (Annexure VII)
 - (k) Check list and order in which the documents are to be submitted for Financial Bid (Annexure VIII)
 - (l) Format for e-Tender Acceptance Letter (Annexure IX)
 - (m) Format of Performance Certificate (Annexure X)
 - (n) Bank Solvency Certificate preferably as per Annexure-XI or concerned banks format
 - (o) Turnover Certificate (Annexure XII)
 - (p) Notarized affidavit on black listing (Annexure XIII)
- 6.2. The Bidder shall examine all instructions, forms, terms and specifications in the Bid Documents.
Failure to furnish all information required as per the Bid Documents or submission of bids not substantially responsive to the Bid Documents in every respect will be at the bidder's risk and may result in rejection of the bid.

7. CLARIFICATION OF BID DOCUMENTS:

- 7.1. A prospective bidder, requiring any clarification of the Bid Documents shall notify the Purchaser online. The Purchaser shall also respond online to any request for clarification of the Bid Documents..
- 7.2. Any clarification issued by e-Tender Inviting Authority (eTIA) in response to query raised by prospective bidders shall form an integral part of bid document and it may amount to an amendment of relevant clauses of bid document which would be notified through a corrigendum.

8. AMENDMENT OF BID DOCUMENTS:

- 8.1. At any time, prior to the date of submission of bids, the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bid documents by amendments.
- 8.2. The amendments, if any, shall be notified online only through corrigendum in the portal <https://tripuratenders.gov.in>
- 8.3. In order to afford prospective bidders reasonable time in which to take the amendments into account in preparing their bids, or for any other reason, the Purchaser may at its discretion, extend the deadline for the submission of bids suitably through a corrigendum issued for this purpose.

C. PREPARATION OF BIDS:

9. DOCUMENTS COMPRISING THE BID:

Online bids under two envelope/ cover system comprising of (1) **Technical bid** and (2) **Financial bid should be submitted online on Tripura Govt. Portal Website <https://tripuratenders.gov.in>.**

9.1. The **technical bid should contain** the scanned copy of following documents. The documents shall be arranged in the same order as mentioned below with the check list (Annexure –VII) at the top.

- (a) EMD in the shape of Demand Draft or Deposit at call receipt amounting Rs. 50000.00 (Rupees Fifty Thousand) per trade only.
- (b) Letter of Authorization to attend bid opening [as per Annexure – VI]
- (c) Check list [as per Annexure- VII]
- (d) Power of Attorney [As per clause 16.2 of Section-II]/Authorisation from competent authority for signing of the bid document must be submitted with the bid.
- (e) Clause by Clause compliance indicating substantive responsiveness to the terms and conditions by signing and stamping on all the pages of the original bid document 02/WITI(INR)/2017-18(containing **62 pages**) by authorized person(s)[as per clause 13.1 of Section-II]
- (f) Copy of Audited accounts and Income Tax Return for last 5 (five) Financial Years [as per clause 12.1 (iii) of Section-II]
- (g) Copy of at least one supply order executed successfully directly by the bidder (not on behalf of or as agent of any other supplier) during last 3 (three) years to Government Organization/ Undertaking/Autonomous body/Government Society preferably in Tripura of monetary value not less than Rs. 50.00 lakhs. Execution of the supply order shall be supported by successful completion certificate as per Annexure-X from purchaser and bank statement.
- (i) Self-certification regarding turnover of the firm as per Annexure - XII
- (j) Copy of PAN [as per clause 12. of Section-II]
- (k) Copy of VAT/ CST/ GST clearance certificate as applicable, Trade Licence Registration Certificate [as per clause 12 of Section-II]
- (l) Performance certificates of other supplies as per Annexure-X executed directly by the bidder (at least last 5 years) for similar nature of supply in Government Organizations/Undertakings/ Government Societies supported by copies of supply orders and bank statements . Self-certification or incomplete certificate will not be acceptable and the bid will be rejected.
- (m) e-Tender Cost in the form of Demand Draft Rs. 5000.00 (Rupees five thousand only)
- (n) e-Tender Acceptance Letter [as per Annexure-IX]
- (o) Technical Specification and Details of Requirements (Annexure-I)
- (p) Address of Bidder's Service Centre at Agartala, Tripura with contact details supported by authenticated documents like Trade license, Firm Registration etc.
- (q) Bank Solvency Certificate preferably as per Annexure-XI or concerned banks format.
- (r) Notarized affidavit on black listing (Annexure XIII)

9.2. The **financial bid shall contain:**

- (a) The check list [as per Annexure—VIII]
- (b) Bid Form [as per Annexure – II]
- (c) Price schedule (Bill of Quantity / Price Bid) – Annexure-III [as given in <http://tripuraenders.gov.in>] and to be submitted online

IMPORTANT

The bidders must carefully follow the instructions to submit the bids online through the State Government Procurement Portal for e-Procurement at <https://tripuratenders.gov.in>.

All the documents submitted shall be filled properly (wherever necessary) signed in full by the authorized person/persons and stamped properly.

10. BID FORM:

The bidder shall complete the Bid Form (Annexure-II) and the appropriate Price Schedule (Annexure-III) furnished in the Bid Documents indicating the goods to be supplied with quantity.

11. BID PRICES:

A bidder may participate in the tender by quoting price for either one or more trade namely Plumber, Computer Operator and Publishing Assistant (COPA), Surveyor, Mechanic Electronics, and Dress making trades. **However, a bidder shall be required to quote price for all the items in the BoQ of the particular trade or trades in which he intends to participate.** In case the bidder fails to quote price for one or more item for a particular trade his bid will be treated as substantially non-responsive and rejected for that particular trade or trades.

- 11.1. The bidder shall quote the basic unit price excluding of all levies and taxes (excluding GST/any other taxes). The basic unit price and all other components of the price need to be individually indicated against the goods proposed to supply under the contract as per price schedule given in Annexure-III. The offer shall be firm in Indian Rupees. No foreign exchange will be made available by the purchaser.
- 11.2. Prices indicated on the Price Schedule shall be entered in the following manner:
 - (a) The price of the goods shall be quoted as basic unit price (excluding of all taxes and levies including GST) for each individual item.
 - (b) The bidder shall quote only one price for each item.
 - (c) The total price for each individual item shall be obtained after multiplying the quantity with basic unit price and all taxes and levies including GST
 - (d) The total price of each individual item shall be calculated after adding all cost components (i.e entries in column Sl. No. 01 to 10.) in column no. 10. **Financial bid evaluation shall be done on L-1 of the total price for each individual item i.e. item wise lowest subject to provisions in clause no. 5.17.**
 - (e) Taxes, if any, have to be indicated separately otherwise it will be presumed that quoted prices are inclusive of Taxes and Taxes shall be deducted from the bills separately as applicable.
- 11.3. The prices quoted by the bidder shall remain firm and fixed during the entire period of contract and shall not be subject to variation on any account. A bid submitted with an adjustable price quotation is to be treated as non-responsive and rejected.
- 11.4. **The prices quoted shall remain valid for 180 days from the date of opening of Financial Bid** and in respect of accepted Bid the prices quoted shall remain valid during the entire period of contract.

12. DOCUMENTS ESTABLISHING BIDDER'S ELIGIBILITY AND QUALIFICATION

- 12.1. The bidder should scan and submit online, as part of his bid documents establishing the bidder's eligibility; all the following documents or whichever is required as per terms and conditions of bid documents.
 - (i) Details of successfully executed at least one supply order directly by the bidder (not on behalf of or as agent of any other supplier) during last 3 (three) years to Government Organization/ Undertaking/Autonomous body/Government Society preferably in Tripura of monetary value not less than Rs. 50.00 lakhs.
 - (ii) VAT/ CST/ GST clearance certificate as applicable
 - (iii) Audited accounts and Income Tax Return of last 5 (five) financial year in support of financial credibility.
 - (iv) Copy of PAN.
 - (v) Copy of Trade Licence Registration Certificate.
 - (vi) Details of Bidder's Service Centre in Tripura with authenticated documents like Trade license/Firm Registration.
 - (vi) Turnover Certificate as per Annexure-XII
 - (vii) Bank Solvency Certificate preferably as per Annexure-XI or concerned banks format

13. DOCUMENTS ESTABLISHING GOODS CONFORMITY TO BID DOCUMENTS:

- 13.1. The documentary evidence in conformity with the Bid Documents may be in the form of literature and data and the bidder shall furnish a clause-by-clause compliance on the Technical specifications and terms & conditions indicating substantial responsiveness to the same **in the form of signing in full & stamping all the pages of the original bid document by the authorized person/persons.**

14. EARNEST MONEY DEPOSIT:

- 14.1. The EMD shall be forfeited:
- (a) If an unsuccessful bidder withdraws his bid till finalization of the bid or if any information or certificate produced by the bidder is/are found false or tampered.
 - (b) In the case of a successful bidder, if the bidder withdraws or amends the e-tender or impairs or derogates from the e-tender:
 - (i) to sign the contract in accordance with clause 27.1
 - (ii) to furnish performance security in accordance with clause 27.2.

15. PERIOD OF VALIDITY OF BIDS.

- 15.1. **Bid shall remain valid for 180 days after the date of bid opening prescribed by the Purchaser;** pursuant to clause 11.4 of Section-II. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 15.2. In exceptional circumstances, the Purchaser may request the bidder's consent for an extension to the period of bid validity. The request and the responses thereto shall be made in writing. A bidder accepting the request and granting extension will not be permitted to modify his bid.

16. FORMATS AND SIGNING OF BID:

- 16.1. The bidder shall prepare the Technical and Financial bids separately.
- 16.2. The copy of bid shall be typed or printed and all the pages numbered consecutively and shall be signed and stamped by the bidder or a person or persons duly authorized to bind the bidder to the contract. The letter of authorization shall be accompanied with written power of Attorney. The bid submitted shall be sealed properly.
- 16.3. The copy of bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder in which case such corrections shall be signed by the person or persons authorized for signing the bid.

D. 17. SUBMISSION OF BIDS

- 17.1. Bidder should log into the site <https://tripuratenders.gov.in> well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time.
- 17.2. The Bidder shall follow all the instructions given in clause -5 of Section-II for submission of on-line bid.
- 17.3. Utmost care shall be taken for uploading Bill of Quantity & Price Bid. Bidders shall download the BoQ in XLS format and save it without changing the name of the file. Bidder shall quote their rates in figures, thereafter save and upload the file in financial bid cover (Price bid) only. **Rates in figures shall be quoted for all the items. If the Bill of Quantity & Price Bid is found to be modified by the bidder, the bid will be rejected.** The bidders are cautioned that uploading of financial bid elsewhere i.e. other than in the cover as specified will result in rejection of the e-tender.
- 17.4. After the bid submission (i.e. after Clicking "Freeze Bid Submission" in the portal), the bidders shall take print out of system generated acknowledgement number, and keep it as a record of evidence for online submission of bid.

18. LATE BIDS

- 18.1. Any bid will not be strictly received by the Purchaser after the deadline for online submission of bids is over.

19. MODIFICATION AND WITHDRAWAL OF BIDS:

- 19.1. The bidder can modify or withdraw his bid after submission only, if resubmission / withdrawal have been configured by TIA during e-tender creation process.
- 19.2. No bid can be modified subsequent to the deadline for submission of bids.

E. BID OPENING AND EVALUATION:

20. OPENING OF BIDS:

- 20.1. Electronic Bid will be received up to **3:00 PM on 10/10/2017** at the website <https://www.tripuratenders.gov.in>. The technical bids will be opened by authorized officers on the same date at **4:00 PM, if possible.**
- 20.2. The bids will be opened in the presence of bidders or their authorized representatives who chose to attend on opening date and time. Authority letter to this effect shall be submitted by the bidders before they are allowed to participate in bid opening (A Format is given in Annexure- VI). Also the bidders can participate online during the bid opening process from their remote end through dashboard.
- 20.3. A maximum of two representatives for any bidder shall be authorized and permitted to attend physically pre bid meeting and the bid opening process.

21. CLARIFICATION OF BIDS:

- 21.1. To assist in the examination, evaluation and comparison of bids, the Purchaser may, at its discretion ask the bidder for any clarification at any stage of its bid. The request for clarification and the response shall be in writing or may be raised in the pre-bid meeting. However, no post bid clarification at the initiative of the bidder shall be entertained.

22. TECHNICAL EVALUATION:

- 22.1. A e-Tender Evaluation Committee (eTEC) constituted by the Department of Industries & Commerce, Govt. of Tripura shall evaluate the technical bids to determine whether the bids received are complete, required securities/sureties have been furnished, the documents have been properly signed and the bids are generally in order in compliance with clauses of the NIT and upload the results of Technical Evaluation online in the portal. Decision of the Committee will be final in this regard.
- 22.2. Prior to the Financial Bid opening, the Purchaser will determine the substantial responsiveness of each bid to the Bid document. Bids should be substantially conforming to all the terms and conditions of the Bid Documents without material deviations. The Purchaser's determination of bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 22.3. A bid determined as substantially non-responsive will be rejected by the Purchaser and shall, not subsequent to the bid opening, be made responsive by the bidder by correction of the non-conformity, or by submitting additional documents.

23. FINANCIAL BID OPENING/ EVALUATIONS AND COMPARISON OF SUBSTANTIALLY TECHNICAL RESPONSIVE BIDS:

- 23.1. The purchaser shall shortlist those who are eligible and have submitted substantially

technically responsive bid for one or more items for opening of financial bid since the financial evaluation shall be done on item wise lowest as enumerated in Clause 23.5. Financial bids of successful bidders shall only be opened and the Financial Bids of Technically unsuccessful bidders shall not be opened.

- 23.2. Even after opening of financial bid, till completion of the entire purchase process including period of warranty if it is found that any information or certificates produced by the bidder is false or tampered, the purchaser shall without prejudice to any other right or remedy be at liberty to reject the bid and forfeiture of the EMD and invocation of the performance warranty.
- 23.3. The Bill of Quantity / Price Bid if found modified/tampered by the bidder except for the permitted cells, then the bid will be rejected.
- 23.4. The evaluation and comparison of responsive bids shall be done on the price of the goods offered inclusive of all Levies & Taxes as indicated in the Price Schedule given in Annexure-(III) of the Bid Document.
- 23.5. Subject to technical evaluation and acceptance of the offers in the bids by e-Tender Evaluation Committee (eTEC), financial evaluation shall be done on item wise lowest (L1) bidder of individual total price. The total price for each individual item shall be obtained after multiplying the quantity with basic unit price and all taxes and levies including GST of e-tendered items (as given in Annexure – III). Decision of the e-Tender Evaluation Committee (eTEC) will be final and binding on the part of the bidders. In case item(s) of a bidder is not accepted by the e-Tender Evaluation Committee but after opening of financial bid it is found that the bidder is L1 or L1 bidder fails or refuses to supply the item, L2 bidder may be considered at the discretion of the Committee. Also the result of Financial Evaluation would be uploaded online on the Portal.
- 23.6. The Purchaser may waive any minor infirmity or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 23.7. The purchaser at his discretion reserves the right to drop any item/items at the time of evaluation or issue of supply orders. Preference may be given to the best specification of any or all the items irrespective of cost and decision of the evaluation committee will be final.
24. CONTACTING THE PURCHASER:
- 24.1. No bidder shall try to influence the Purchaser on any matter relating to its bid, from the time of the bid opening till the time the contract is awarded.
- 24.2. Any effort by a bidder to influence the Purchaser in the Purchaser's bid evaluation, bid comparison or contract award decision shall result in the rejection of the bid.

F. AWARD OF CONTRACT:

25. PLACEMENT OF ORDER

- 25.1. The Purchaser shall consider placement of orders for supplies to those bidders whose offers have been found technically, commercially and financially acceptable and whose goods have been approved/validated by the purchaser.
- 25.2. Road Permit may be provided to the bidders of outside State on request; in case Supply order is awarded, if necessary.

26. PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:

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 award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

27. AWARD AND SIGNING OF CONTRACT:

- 27.1. The issue of firm Purchase Order and Signing of Contract Form shall constitute the award of contract on the bidder.
- 27.2. Successful bidder shall furnish Performance Security (Annexure-IV) within 15 (fifteen) days from the issue of supply order positively and any request for time extension by a bidder will not be accepted. The Purchaser shall discharge its EMD upon submission of Performance Security and on receipt of a formal request letter from the bidder asking for such release.

28. ANNULMENT OF AWARD:

Failure of the successful bidder to comply with the requirement of Clause 27 of Section-II or for violation of any other Clause of the e-tender document shall constitute sufficient ground for the annulment of the award in part or full and forfeiture of the EMD/Performance Security in which event the Purchaser may make the award to any other bidder at the discretion of Purchaser or call for new bids.

30. While all the conditions specified in the Bid documents are critical and are to be complied, special attention of bidder is invited to the following clauses of the bid documents. Non-compliance of any one shall result in outright rejection of the bid.
- (i) **Clauses 5.7 & 15.1 of Section-II:** The bids will be rejected at opening stage if EMD is not submitted as per Clauses 5.7 and bid validity is less than the period prescribed in Clause 15.1 mentioned above.
 - (ii) **Clause 3 & 9 of Section-II:** If the eligibility condition as per clause 3 is not met and/or documents prescribed to establish the eligibility as per Clause 3 and Clause 9 are not enclosed, the bids will be rejected without further evaluation.
 - (iii) **Clause 13.1 of Section-II:** If clause-by-clause compliance in form of signing and stamping all the pages of the original bid by the authorized person(s).
 - (iv) **Annexure-III:** Prices for each item for a particular trade are not filled in as prescribed in price schedule.
31. The Purchaser reserves the right to disqualify the supplier for a suitable period who fails to supply the equipment in time for any purchase in future. Further, the suppliers whose equipment does not perform satisfactory in the field in accordance with the specifications may also be disqualified for a suitable period as decided by the purchaser.
32. Purchaser reserves the right to blacklist a bidder at his discretion for a suitable period in case he fails to honour his bid without sufficient grounds.

SECTION-III: GENERAL CONDITIONS OF CONTRACT

1. APPLICATION:

The General Conditions shall apply in contracts made by the Purchaser for the procurement of Goods.

2. STANDARDS:

The Goods supplied under this contract shall conform to the standards prescribed in the Technical Specifications mentioned in Annexure-I.

3. PATENT RIGHTS:

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof.

4. PERFORMANCE SECURITY:

4.1. The supplier shall furnish Performance Security to the purchaser for an amount equal to 10% of the value of the contract within 15 (fifteen) days from the date of issue of Purchase Order by the Purchaser. No extension for submission of Performance Security would be allowed.

4.2. 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.

4.3. The Performance Security Bond shall be in the form of Bank Guarantee only issued by a scheduled Bank guaranteed by Reserve Bank of India and in the format provided in 'Annexure-IV' of this Bid Document. The validity of Performance Guarantee shall be at least for 15(fifteen) months from the last date as stipulated for submission of the Performance Guarantee.

4.4. The Performance Security Bond will be discharged by the Purchaser on completion of the supplier's performance obligations including any warranty obligations under the contract.

5. INSPECTION

5.1. The Purchaser or his representative shall conduct inspection of the supplied goods for their conformity to the specifications prior to release of payments. All reasonable facilities and assistance shall be furnished to the inspector(s) at no charge to the purchaser.

5.2. In case any inspected or tested goods fail to conform to the specifications the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet specification requirements free of cost to the purchaser within one month of rejection, failing which Clause-28 of Section-II will be applicable.

5.3. If any tools, equipment, machinery & furniture or any part thereof, before it is taken over is found defective or fails to fulfil the requirements of the contract, the purchaser shall give the Supplier notice setting forth details of such defects or failure and the supplier shall make the defective equipment good, or alter the same to make it comply with the requirements of the contract within one month of the notice. These replacements shall be made by the supplier free of all charges at site. In case of failure to do so within one month, the purchaser reserves the discretion to reject and replace at the cost of the supplier the whole or any portion of equipment as the case may be, which is defective or fails to fulfil the requirements of the contract. The cost of any such replacement made by the purchaser shall be deducted from the amount payable to the supplier.

5.4. Nothing in clause 5 shall in any way release the Supplier from any warranty or other obligations under this contract.

6. DELIVERY:

- 6.1. Delivery of the goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in its supply order and the goods shall remain at the risk of the Supplier until inspection and goods are taken over by the Purchaser. The delivery of the goods shall be to the ultimate consignee as given in the purchase order and should be completed strictly **within 60 (sixty) days** reckoned from the 15th day from the date of issue of purchase orders. After delivery of the goods the supplier should notify the Purchaser in writing requesting for inspection of the goods.

7. WARRANTY:

- 7.1. The supplier shall warrant that the stores to be supplied shall be new and free from all defects and faults in materials used, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for materials of the type ordered and shall perform in full conformity with the specifications. The supplier shall be responsible for any defect that may develop under the conditions provided by the contract and under proper use, arising from faulty material, design or workmanship such as corrosion of the equipment, inadequate quantity of material to meet equipment requirements, inadequate contact protection, deficiencies in design and/or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the goods are faulty. The warranty shall be valid for twelve months after the goods have been taken over (except in respect of complaints notified prior to such date).
- 7.2. Replacement under warranty clause shall be made by the supplier free of all charges at site including freight, insurance and other incidental charges.

8. PAYMENT TERMS:

- 8.1. Payment shall be made on receipt of goods in full by the consignee after conducting inspection along with installation and commissioning. For claiming this payment the following documents are to be submitted to the paying authority. No part payment will be entitled in any case.
- (i) Invoice/Bills in triplicate precisely mentioning the Make/Serial number/Model No. of items invoiced.
 - (ii) Delivery Challan mentioning the Make/Serial number/Model No. of items listed in the challan.
 - (iii) Warranty details of goods supported with Make/Sl. No./Model No. etc.
 - (iv) Leaflet/User manual of goods costing above Rs.5000.00/-
- 8.2. No payment will be made for goods rejected at the site on inspection.

9. PRICES

- 9.1. (a) Prices charged by the supplier for goods delivered and services performed under the contract shall not be higher than the prices quoted by the Supplier in his Bid.
- (b) In the case of revision of Statutory Levies/Taxes during the finalization period of e-tender, the Purchaser reserves the right to ask for reduction in the prices.
- 9.2. (a) Prices once fixed will remain valid during the schedule delivery period. Increase and decrease of Taxes and other statutory duties will not affect the price during this period.
- (b) Any increase in taxes and other statutory duties/levies after the expiry of the delivery date shall be to the supplier's account. However benefit of any decrease in these taxes/duties shall be passed on to the Purchaser by the supplier.

10. DELAYS IN THE SUPPLIER'S PERFORMANCE

- 10.1. Delivery of the Goods and performance of the services shall be made by the Supplier in accordance with the time schedule specified by the purchaser in its purchase order. In case the supply is not completed in the stipulated delivery period, as indicated in the Purchase Order, purchasers reserves the right to cancel this purchase order and/or recover liquidated damage charges.
- 10.2. Delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to any or all of the following sanctions: forfeiture of its performance security, imposition of liquidated damages and/or termination of the contract for default.

11. LIQUIDATED DAMAGES

- 11.1. The date of delivery of the goods stipulated in the acceptance of the e-tender should be deemed to be the essence of the contract and delivery must be completed no later than the dates specified therein. In case of deliveries are made after expiry of the contracted delivery period, without prior concurrence of the purchaser and be accepted by the consignee, such delivery will not deprive the purchaser of his right to recover liquidated damage under clause 11.2 of Section-III below.
- 11.2. If the Supplier fails to deliver any or all of the goods within the period specified, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the 1.00 percentage of the contract value for each week (or part of the week) of delay until actual delivery or performance, up to a maximum deduction of 10.00 per cent from the performance guarantee. Once the maximum is reached, the Purchaser may consider termination of the Contract and may take appropriate action against the supplier as per Clause no. 31 and 32 of Section-II of the bid document.
- 11.3 If the Supplier fails to deliver service(s) any or all of the goods within the period(s) specified, the Purchaser shall, without prejudice to its other remedies under the Contract, recover an amount equivalent to the cost of the item(s) from the performance security deposited by the supplier. Purchaser may take appropriate action against the supplier as per Clause no. 31 and 32 of Section-II of the bid document.

12. FORCE MAJEURE

- 12.1. The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 12.2. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, strikes, earthquakes and freight embargoes.
- 12.3. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions 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.

13. TERMINATION FOR DEFAULT

- 13.1. The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part
- (a) If the supplier fails to deliver any or all of the goods within the time period(s) specified in the contract, or any extension thereof granted by the purchaser pursuant to clause 12.

- (b) If the supplier fails to perform any other obligation(s) under the Contract; and
- (c) If the supplier, in either of the above circumstances, does not remedy his failure within a period of 15 days (or such longer period as the purchaser may authorize in writing) after receipt of the default notice from the purchaser.

14. ARBITRATION

Disputes or differences between the Purchaser and the Contractor, if any, arising under the contract, shall be referred to the arbitration of sole-arbitrator to be appointed by the mutual consent of both the parties. The arbitration shall be conducted in accordance with the provisions of Arbitration and Conciliation Act, 1996 at Agartala and decision on the arbitrator shall be final and binding upon the parties hereto.

TECHNICAL SPECIFICATION AND DETAILS OF REQUIRMENTS

(Note: Bidder has to confirm their acceptance in given sheet and for technical evaluation, this Annexure to be submitted in Technical bid)

The Bidders are required to comply with the following instruction for submission of Technical specifications:

1. The Brand/Make of items should be clearly indicated. The Maker's name in full (not in abbreviated form) must be clearly stated.
2. Bidders should quote only **single brand/make** for an individual item.
3. The terms "best India make", "Similar make", "Equivalent make", "Equivalent to", "Standard make/Marketed by" etc. or any other similar term are not acceptable and such item(s) will be rejected.
4. All the items are to be quoted by the bidders and no modification of bid form would be allowed and in such cases the bid will be summarily rejected.

Name of Bidder:						
Trade: Dress Making						
Sl. No	Item Code	Item	Specifications	Quantity	Unit	Make/Brand
1	2	3	4	5	6	7
1	DRM001	Measuring Tape	Plastic made 0.6 cm wide, 100-151 cm long.	41	Nos	
2	DRM002	Seam Ripper	With pointed open end and blade attached for bottonhole cutting.	41	Nos	
3	DRM003	Thimble	Metal thimble worn on middle finger and used to protect the finger.	41	Nos	
4	DRM004	Tailor's Card Scale Triangular	Made of Plastic/wood, semi circled 180* with french curves at the centre.	41	Nos	
5	DRM005	Tailors Square-Plastic	Plastic"L" Shaped,Length -24"Breadth-12"	41	Nos	
6	DRM006	French Curve Set of three	Transparent plastic set of 3curves	41	Sets	
7	DRM007	Thread Cutter	Nickel plated,5"-12.5cm	41	Nos	
8	DRM008	Scale plastic 24"	24" long	41	Nos	
9	DRM009	Scissors 25 cm	length -25cms, with broad brass handle finely designed for finger placement & sharp pointed ends.	21	Nos	
10	DRM010	Pinking Shears	Saw toothed/zig zag blades, 30 cm length.	6	Nos	
11	DRM011	Leg Shaper -Plastic	Curved plastic (76cmx0.5cmx2.5cm)	21	Nos	
12	DRM012	Garment Hangers	Made of plastic	21	Nos	
13	DRM013	Screw Driver Set	Set of 5 pieces 100 mm –300 mm Philips screw driver type & blade screw driver type	5	Sets each	
14	DRM014	Table Sharpener	110 mm x 60 mm x 110 mm	5	Nos	
15	DRM015	Pressing Table	Steel frame cloth pressing table.150x90x90cm, sunmica Top	5	Nos	
16	DRM016	Blanket for padding of Pressing Table	5'x8'	5	Nos	
17	DRM017	Rubber mat	30cmx120 cm	5	Nos	
18	DRM018	Sprayer	Water Sprayer	5	Nos	
19	DRM019	Waste Bin Big / Small	plastic/tin	10	Nos	
20	DRM020	Pattern Punch	Cuts 3/4" dia. hole	5	Nos	

21	DRM021	Pattern Notcher	With straight and slant nick;Top quality steel polishing with nickel ;Knife edge sharp & durable.	5	Nos	
22	DRM022	Pattern Hanging Stand	Made of Steel/wood/plastic	4	Nos	
23	DRM023	Water Tub	60 cm dia	1	No	
24	DRM024	Stand for Hanging Dresses	Multifunctional foldway or stand on the floor ,Adjustable, wooden/ABS plastic and stainless steel tube, Umbrella appearance , Can hang 33pcs clothes hangers holds upto 20 kg.	5	Nos	
25	DRM025	Trial Room	Size- 5 ft (L) x 5 ft (W) x 8 ft (H) fitted with 3 side mirrors of size 150 cm x 60 cm with arrangement of hanging dresses and with proper lighting	1	No	
26	DRM026	Electric Automatic Steam Press	Automatic type	5	Nos	
27	DRM027	Sewing Machine - Single Needle lock stitch industrial model	Usage- light,medium,heavy materials,Max sewing speed-4000-4500 sti/min.Max stitch length-4.2-5mm.	20	Nos	
28	DRM028	Over Lock Machine 3 thread	Overlock foot,single needle,3 thread.	1	No	
29	DRM029	Zig Zag Multi Purpose Machine	Compact Body,Zig Zag Machine (Motorised)	1	No	
30	DRM030	Double Needle Machine	Usage-foundation light and medium material,heavy materials.Max sewing speed-3000-4000 sti/min.4 mm max stitch length.7mm height presser foot.	1	No	
31	DRM031	Button Hole machine	Cutter length - 4-32 mm, max sewing width-6mm,max button hole length-40mm,height of presser foot-13mm,max sewing speed-4000sti/min.	1	Nos	
32	DRM032	Button Sewing Machine	Max sewing area-6.4x6.4 mm,Dimensions of button-outer dimensions of button-8-30mm,max sewing speed-2700sti/min,stitch length-0.05-6.4mm,max no of stitches-5000sti/pattern.	1	No	
33	DRM033	Machine attachments	Machine attachment Set,Narrow Hammer, Pintuck foot, gathering foot, Over edge foot, Ruffler attachment, suan gauge etc	2	Nos	
34	DRM034	Chair with low back rest	Chair having high density cushioned seat and back, 30" back	20	Nos	
35	DRM035	Drafting Table with stools	Height and board angle adjustment in a traditional 4-post table. The height adjusting from 30" to 37" with a convenient spring-assisted mechanism. The top angle adjusting up to 50 degrees. The heavy-duty steel base with durable black finish. 60"x37-1/2" board. Base Dimensions: 42-7/8"W x 29-1/2"D x 27-3/4" to 35-1/2"H; Stools: Comfortable 33cm diameter seat and height adjustable	10	Nos	
36	DRM036	Display Board	Covered with glass or acrylic sheet, 120 X 90 Cm	2	Nos	
37	DRM037	Pigeon hole Almirah 10 lockers with locking arrangements for trainee	Fully Welded Construction Available with Doors - Standard Lock system with 2 keys Compartment Size: H155 x W245 x D375mm	2	Nos	
38	DRM038	Wall Clock	Analog clock, ISI certified	3	Nos	

39	DRM039	Calculator Desk Type	12 digit desk type	1	No	
40	DRM040	White Board with accessories	Size: 900*1200 mm. Aluminium frame (All edges to be furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser	2	Nos	
41	DRM041	Dummy Lady , Men ,Kid(different size)	Pinnable three dimensional jersey covered Dress form (dummies) : a) ladies 8,10 (half), 12(full), b) Gent's 40,42 (full) c) children no 4,5 (full).	1	Nos. each	
42	DRM042	Computer System with operating system and UPS	1. CPU- Intel i3, .3.2GHz, 6 MB 2. Chipset- Intel Series 3. Bus- Architecture 3PCI 4. Memory- 4GB 1600 MHz DDR3 RAM with 16 GB expendibility 5. Hard Disk- Drive 500 GB 7200 RPM or higher 6. Monitor- 47 cm or largerTFT/ LED digital colour monitor TCO-05 certified 7. Keyboard- 104 keys with USB interface 8. Mouse- optical with USB interface 9. Ports- 6 USB ports or more, 1 display port/ VGA port, audio port for microphone or headphone in front 10. DVD ROM Drive- 8X or better DVD RW drive 11. OS: Windows 10 or latest 12. UPS: 600 VA	5	Nos	
43	DRM043	Printer Colour Laser	Print speed simplex: A4 upto 25 ppm print resolution 600 X 600 dpi paper size Standard: A4, B5, A5 legal Letter Exclusive 16 KB envelop COM10 envelop Monarch envelop C5 envelop DL Custom (width 76.2/21 6mm X length 187/356 mm) USB USB 2.0 high speed Network 10 base T / 100 base TX	1	No	
44	DRM044	Computer Table with Chair	Table: 900 mm X 500 mm X 750 mm, made of good quality laminated board/ wood, thickness 20 mm, wheel channel sliding for keyboard one drawer with lock in the right side. With sunmica top and one tea-tray. Made by ISO certified company. Chair: Executive chair having high density cushioned seat and back, five wheels, revolving base PU handles, 30" back	5	Nos	
45	DRM045	Single desk for trainees with arrangement for keeping books	Single Desk - 18", Consist of 18 mm thick Pre laminated Desk Top and Seat and Back made of Perforated Metal to suit its design and under structure made in 1" Square CRCA Tube duly powder coated.	20	Nos	
46	DRM046	Revolving Chair without arms	Chair having high density cushioned seat and back, five wheels, revolving base PU handles, 30" back	20	Nos	
47	DRM047	Faculty Table & chair set	Steel Table with laminated top, Size:- 48" X 30" X 30", ISO certified Armed Chair: made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified	1	No	

48	DRM048	Computer set with UPS and multimedia projector	<p>Computer</p> <ol style="list-style-type: none"> 1. CPU- Intel i3, 3.2GHz, 6 MB 2. Chipset- Intel Series 3. Bus- Architecture 3PCI 4. Memory- 4GB 1600 MHz DDR3 RAM with 16 GB expandibility 5. Hard Disk- Drive 500 GB 7200 RPM or higher 6. Monitor- 47 cm or largerTFT/ LED digital colour monitor TCO-05 certified 7. Keyboard- 104 keys with USB interface 8. Mouse- optical with USB interface 9. Ports- 6 USB ports or more, 1 display port/ VGA port, audio port for microphone or headphone in front 10. DVD ROM Drive- 8X or better DVD RW drive 11. Network facility- 10/100/1000 on board integrate network port 12. OS: windows 10 or latest <p>Projector : 4000 Lumen with screen</p> <p>UPS: 700 VA</p>	1	No	
49	DRM049	White Magnetic board with felt Board and accessories.	Size: 900*1200 mm. Aluminium frame (All edges to be furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser.	2	Nos	
50	DRM050	Display Board	Size: 7" X 4" wood display surface should be covered with velvet clothe suitable material layer for easy presentation of board pin	2	No	
51	DRM051	Storage Almirah	Steel almirah big size, Size:900mmX434mmX1952mm,steel gauge 20-22,04 Shelves along with one Locker, (ISO Certified)	1	No	
52	DRM052	Book Shelf	<ol style="list-style-type: none"> a) Height – 1593mm, width 914mm, Depth –310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company 	2	Nos	
53	DRM053	Air Conditioner unit split 2 Ton capacity with Stabilizer	Capacity (TR) - 2.0TR (6000Kcal / hr) Split type A.C.Machine with hermetically sealed reciprocating compressor operating on refrigerant R-22 / non CFC suitable for wall mounting conforming to IS 1391(part-2) specification (except power consumption) suitable for operation on 230 volt, 50Hz, single phase, AC supply capable of performing a) Cooling b) Dehumidifying c) Air circulating d) Filtering.Stabilizer : 5 KVA wall mounted automatic voltage stabilizer for 2.0 TR cap RAC having I / P 140-280 Volt O / P 200-240 Volt \pm 2%, with safety protection Hi Low cut out circuit etc.	1	No	

54	DRM054	First Aid kit	The kit consists of Scissors, surgical dressing and stitch, Crepe bandage (first revision), Zinc oxide self-adhesive plaster (first revision), Safety pins, Polyethylene bags for general purpose, Forceps, splinter, Arthur's pattern, First-aid dressings, cotton pack, gaudge, detol 0.5 ltr, etc. Should be made of high grade ABS Plastic of size 28cm x 20cm x 11.5cm, resistant to Impact, temperature and has the property to retain its shape even on rough use	1	No	
55	DRM055	Table	Half Secretariat table, Steel structure, laminated top, 3 drawer with Automatic lock to the right side storage unit. : (H-20" x W- 14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	4	No	
56	DRM056	Armed Chair	made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified, Standard Dimension	4	Nos	
57	DRM057	Armless Chair	armless chair, made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified, Standard Dimension	8	Nos	
58	DRM058	Steel Almirah	Steel almirah big size, Size:900mmX434mmX1952mm, steel gauge 20-22, 04 Shelves along with one Locker, (ISO Certified)	4	Nos.	
59	DRM059	Water Purifier	Water Purifier UV plus, • Filtration / Purification Modules - Patented Heptapure Cartridge, Biotron Cartridge, Mineral Guard, UV Chamber • Purified Water Flow Rate* 2 litres/minute	2	Nos.	
60	DRM060	Door Mat	3'x15" coir made	2	No	

Name of Bidder:						
Trade: Electronics Mechanic						
Sl. No	Item code	Item	Specifications	Quantity	Unit	Make/Brand
1	2	3	4	5	6	7
1	ELC001	Connecting screwdriver	Connecting screwdriver 100 mm slim insulated with plastic handle 3mm tip	41	Nos	
2	ELC002	Neon tester	A good quality CRYSTAL HANDLED 3 X 150mm slotted test pen screwdriver having capability of energizing the neon lamp when powered up and capable of testing voltage range upto 500 V AC	41	Nos	
3	ELC003	Screw driver set	Screw Driver Set of 5 pieces with non slip common insulated handle and neon tester, Set should be in Plastic case.	41	Nos	
4	ELC004	Insulated combination pliers	Standard Quality Combination Plier having Length of 150 mm and properly insulated triple layer handle with good quality insulating material, ISI Marked	41	Nos	
5	ELC005	Insulated side cutting pliers	Standard Quality Side Cutting Plier having Length of 150 mm and properly insulated triple layer handle with good quality insulating material, ISI Marked	41	Nos	
6	ELC006	Long nose pliers	Long Nose plier 150 mm made of alloy steel, tempered mouth with non slip insulated handle, ISI Marked	41	Nos	
7	ELC007	Soldering iron	Standard Soldering Iron ISI Marked of Power rating of 25 Watts 230 V respectively	41	Nos	
8	ELC008	Electrician knife	A electrician knife made up of Stainless steel and a large blade ,electrician sheepfoot blade and a wire scraper.	41	Nos	
9	ELC009	Tweezers 150mm	A good quality tweezer of 150 mm length made up of Stainless Steel straight tipped thoroughly covered with the insulating material	41	Nos	
10	ELC010	Digital Multimeter	Digital Multimeter:- 3 ½ Digits, LCD display with a table stand and testing cables. Measures: DCV - 200mV to 1000V, ACV - max 1000V, DCA - 0.01 mA to 10.00A, ACA - 200mA to 20A, resistance 200Ω to 50MΩ, capacitance, frequency and temperature. Tests: diode, transistor and continuity. Data hold, Auto power off, full overload and shock proof protection and should be Meets Measurement Category 1000 V CAT III and Category IV 600 V safety standards	41	Nos	
11	ELC011	Soldering Iron Changeable bits	Soldering Iron Changeable bits, 10 Watt, 230V, Soldering Iron & Different types of bits should be in a plastic or lather case; Should be ISI marked	41	Nos	
12	ELC012	De- soldering pump	A quality desoldering pump having spring loaded retractable piston and having a antistatic tip and body made up of high grade plastic or aluminium	41	Nos	
13	ELC013	Steel rule	A Standard Steel rule made up of Stainless Steel of 30 cm length having engraved readings in inch and cm .	4	Nos	
14	ELC014	Steel measuring tape	A Standard Steel measuring tape of 3 Metre Length enclosed in a case and can be rearranged in a PVC/Metallic case .	4	Nos	
15	ELC015	Tools makers vice 100mm (clamp)	Tools makers vice, 100mm (clamp) can be clamped onto any surface	1	No	
16	ELC016	Tools maker vice 50mm (clamp)	Tools makers vice, 50mm (clamp) can be clamped onto any surface	1	No	
17	ELC017	Crimping tool (pliers)	for solder-free electrical/electronics connections, Suitable for 1- 6.5sq mm cable, High-carbon steel material	2	Nos	
18	ELC018	Magneto spanner set	A standard forged magneto spanner set; Set of 12 pieces (6 mm – 32 mm), nickel finish	2	Nos	

19	ELC019	File flat 200mm bastard	File flat bastard 200 mm, made up of HCS having dimensions of 200 X 20.6 X 5 mm (LX W XT) and handle made of red coloured sheesham wood or good quality plastic.	2	Nos	
20	ELC020	File flat 200mm second cut	File flat 200 mm, second cut made up of HCS having dimensions of 200 X 20.6 X 5 mm (LX W XT) and handle made of red coloured sheesham wood or good quality plastic..	2	Nos	
21	ELC021	File flat 200mm smooth	A Standard Flat File smooth, made up of HCS having dimensions of 200 X 20.6 X 5 mm (LX W XT) and handle made of red coloured sheesham wood or or good quality plastic	2	Nos	
22	ELC022	150mm flat pliers	Have flat tips, smooth wide jaws, 100mm with insulated handle	4	Nos	
23	ELC023	100mm round Nose pliers	Pliers round nose ,100mm with insulated handle	4	Nos	
24	ELC024	Scriber straight 150mm	150 mm straight scriber has tungsten-carbide tip	2	Nos	
25	ELC025	Hammer ball pen 0.5 Kg	Forged Ball Peen Hammer Having weight of 0.5 KG as a Head Weight and wooden handle made of red coloured sheesham wood.	1	No	
26	ELC026	Allen key set	Hexagonal Allen key Set of 9, made of Chrome Vanadium Steel, black finish, Size: 1.58 mm, 1.98 mm, 2.38 mm, 3.17 mm, 3.35 mm, 4.76 mm, 5.55 mm, 6.35 mm, 7.93 mm, 9.52 mm,	1	No	
27	ELC027	Tubular box spanner (set of 6 Nos)	Tubular Box Spanner, Set of 6, with tommy bars ,hexagon shaft and holes , for turning either with spanner or tommy bar, Size:6x7, 8X9, 10X11, 12X13, 14X15, 16X17	1	Set	
28	ELC028	Magnifying lenses	75mm, Chrome-plated steel rim handle, Optical-grade glass lenses precision ground to produce high clarity with minimal distortion	2	Nos	
29	ELC029	Continuity tester	Continuity Tester Economical cell- consumption. <ul style="list-style-type: none"> ● Continuity check of house hold & industrial equipments. ● Can test diode for open short. ● Can test transistor for open short & pnp npn. ● Testing instructions should be included. 	6	Nos	
30	ELC030	Hacksaw frame adjustable	300mm adjustable Hacksaw frame made of Steel or Iron.	2	Nos	
31	ELC031	Cold chisel 20mm	Chisel cold flat, 20mm	1	No	
32	ELC032	Scissors	A straight cut scissor made up of stainless steel having a overall length of 200mm.	1	No	
33	ELC033	Hand saw	A Hand saw of 450 mm blade length made up of High Carbon Steel and handle made up of wood or plastic.	1	No	
34	ELC034	Hand Drill Machine	Hand Drill Machine with all accessories comes in a handy suitcase, Operating Power: 500 watts, Drilling Diameter: 10 millimeters, Package Contents: Impact drill, claw hammer, pliers and knife, spirit level, wrench, drill bit for wood, steel and concrete (2, 3, 4, 5, 6,8, 10mm), screws, wall plugs, screw driving bits and nut bits, auxiliary handle.	2	Nos	
35	ELC035	First aid kit	The kit consists of Scissors, surgical dressing and stitch, Crepe bandage (first revision),Zinc oxide self-adhesive plaster (first revision) , Safety pins, Polyethylene bags for general purpose,Forceps, splinter, Arthur's pattern, First-aid dressings, cotton pack, gaudge, detol 1 ltr, etc. Should made of high grade ABS Plastic of size 28cm x 20cm x 11.5cm, resistant to Impact, temperature and has the property to retain its shape even on rough use	1	No	
36	ELC036	Fire Extinguisher	4.5 kg Fire Extinguisher of Dry Powder or CO2 Type capable to extinguish Class C Fire With wall mounting Accessories and certificate	2	Nos	
37	ELC037	Bench Vice	A bench vice made up of Cast iron or steel having maximum jaw openings of 100 mm	1	No	

38	ELC038	Dual DC regulated power supply 30-0-30 V,2 Amps	<ul style="list-style-type: none"> Multi output power supply with variable and fixed outputs; 30-0-30V/0-2A Variable Dual O/P and 5V/2A fixed; High stability; Short circuit & overload protection; Coarse and fine for Voltage and Current; Constant Voltage and Constant Current; 4 sets of LED for voltage and current output display; Ripple <1mV rms. Output Voltage 0-30V per channel, Output Current 0-2A per channel, Output Voltage 0-60V using both channels in series, Output Current 0-2A per channel, Parallel – 0-30V using both channels, 0-4A using both channels 	4	Nos	
39	ELC039	DC regulated variable power supply 0-24 V,1Amp	<p>DC REGULATED POWER SUPPLY 0-24 V, 1 Amp</p> <p>INPUT VOLTAGE: 230V ± 10% AC 50 Hz, OUTPUT VOLTAGE: 0 - 24V DC in Two Steps 0 -12 V- 24V DC with Continuously Variable Fine Control,</p> <p>OUTPUT CURRENT: 1 Amp Settable with Coarse & Fine Control</p> <p>LOAD REGULATION: ± 0.1 % From no load to full load, LINE REGULATION: ± 0.05 % for ± 10% variation in input voltage, RIPPLE: Less than 2 mV</p> <p>METER: Two Digital meters to monitor the output voltage & current, PROTECTION: Against short circuit & over load</p>	2	Nos	
40	ELC040	LCR meter (Digital)	<p>Bench Top LCR Meter</p> <p>Measurement function</p> <ul style="list-style-type: none"> Measurement parameter : L-Q, C-D, R-Q, Z-Q Basic accuracy : 0.2% Trigger mode : Internal Measurement speed : 3 samples/second Function correction : Open/ short multi-frequency zeroing Measurement terminal : 5 terminal Equivalent circuits : Series, parallel <p>Test signal</p> <ul style="list-style-type: none"> Signal frequency : 100Hz,120Hz,1KHz,10KHz with 0.01% accuracy Output impedance : 30 Ω, 100 Ω Test level : 0.3Vrms, 1Vrms <p>Measurement display range</p> <ul style="list-style-type: none"> Z, R : 0.0001Ω ~ 99.999MΩ C : 0.01pF ~ 99999μF L : 0.01pH ~ 99999μH D : 0.00001 ~ 9.99999 Q : 0.00001 ~ 99999.9 	1	No	
41	ELC041	CRO Dual Trace	<p>30MHz 2 CHANNEL 4 TRACE OSCILLOSCOPE :-</p> <p>VERTICAL DEFLECTION (Y) Deflection Coefficient (CH1 & CH2) : 1mV/div to 5V/div. 5mV/div to 5V/div in 10 calibrated steps in 1-2-5 sequence. x5 Magnification increases the sensitivity to 1mV/div to 1V/div. Accuracy : x1 : ±3%, x5 : ±5%. Variable : 1 / 2.5 times uncalibrated continuously variable control extends the Deflection Coefficient to more than 12.5V/div. Bandwidth : x1 : DC to 30MHz (-3dB), dc coupled. : 10Hz to 30MHz (-3dB), ac coupled. x5 : DC to 7MHz (dc coupled) 10Hz to 7MHz (ac coupled). Rise Time : 11.6ns or less. Display Modes : CH1, CH2, DUAL., Input Impedance : 1M ohms / 25pF approx. Maximum Input : 300 Volts (dc + peak ac). Voltage Internal Trigger : CH1, CH2 or Alternate. Output Voltage : Minimum 20mV for 1 div of CH1 input signal. Output Impedance : 50 ohms (approx.). Bandwidth : 50Hz to 5MHz. TIME BASE Sweep Speed : 20 Calibrated steps. 0.1μs/div to 0.2s/div in 1, 2 & 5 sequence. Sweep Magnifier : x5 Magnification increases the fastest sweep upto 20ns/div. Accuracy : ±3%. Triggering Mode : AUTO, NORM, TV-V, TV-H. Coupling : AC coupling. Trigger Sensitivity Internal : Auto : 1.5 div - 20Hz to 30MHz. Normal : 1.5 div - 10Hz to 30MHz. Lock : 2.0 div - 50Hz to 20MHz. Alt : >3div - 50Hz to 30MHz. External : Auto : 0.3V p-p - 20Hz to 30MHz. Normal : 0.3V p-p - 10Hz to 30MHz. Lock : 0.3V - 50Hz to 20MHz. Horizontal Deflection : Same as CH1. Coefficient Bandwidth : DC - 1MHz (-3dB). Input Impedance : 1M ohms //25pF approx. Component Tester: allows V.I characteristics of a Device Under Test (D.U.T.). Test Voltage : 9V rms (No Load). Test Current : 2mA when shorted. Power Requirement : 220V AC ±10%, 50Hz ±5%, 35VA (max.). Standard : Instruction Manual, 2 High Accessories impedance switch probe with x1 or x10 attenuation, Mains cord.</p>	2	Nos	

42	ELC042	Signal Generator	Multi-Waveform Digital Signal Generator, Frequency Range : 0.01Hz to 1MHz in 8 decade ranges., Frequency Indication : $\pm 1\%$ ± 1 digit., Output Impedance : 50 ohms., Frequency Indication Accuracy : $\pm 1\%$ ± 1 digit, Output Waveforms : Sinusoidal, Triangle, Square, Ramp, Pulse, TTL (Sync) & DC Outputs., Sine Distortion : $< 1\%$ (typical)., Square Wave Rise / Fall Time : < 75 nsec., Frequency Stability : $< 0.5\%$ of the set frequency (after \approx Hour warm up)., Duty Cycle : 10% to 90% variable., Maximum Output Voltage	2	Nos	
43	ELC043	Battery Charger	Battery Charger, 12/24V, 15 amp, Input supply : 230v 50hz, single phase, Output supply : 12v/24v dc supply, Output current : 15a max., Regulation : 5%, Ripple : 5%, Mode of operation : boost and float, Protection : over load short circuit	1	No	
44	ELC044	Analog multimeter	A quality Analog multimeter which can measures AC / DC Voltage up to 2500V, AC/DC Current up to 10A, Resistance up to 20M.Ohms, Diode and continuity test facility and having the facility of testing Active and Passive components	4	Nos	
45	ELC045	Function generator (Triangular, square and sine wave)	Function Generator • DDS technique with frequency stability and high resolution • High speed digital circuit and D/A converter, • 100MSa/s sampling rate, • 12bit resolution, • 3.5" TFT LED color LCD display, • Frequency sweep FSK, ASK, PSK, AM, FM and burst, • External modulation source, • Synchronisation signal output, • External trigger input Characteristics of offset A CHANNEL Frequency characteristics of waveform Length : 4 ~ 16000 bits, Amplitude resolution : 12bits, Sample rate : 100MSa/S, Frequency range of waveform, Sine wave : 1 μ Hz~40 MHz, Square wave : 1 μ Hz ~ 5MHz, Sawtooth wave : 1mHz ~ 1MHz, Pulse wave : 500 μ Hz ~ 3MHz, Arbitrary wave : 1mHz ~ 1MHz B CHANNEL Frequency range of the waveform sine wave : 1 μ Hz ~ 40MHz, Square wave : 1 μ Hz ~ 5MHz, Range : ± 2.5 V, Resolution : 20mV, Accuracy : $\pm (1\%+20$ mV), Power supply Voltage : AC220V (1 \pm 10%), Frequency : 50Hz (1 \pm 5%), Consumption : < 20 VA Environmental conditions, Temperature : 0~40degree, humidity : $< 80\%$	2	Nos	
46	ELC046	Dimmer start 3 Amps	Remote control electronic dimmer 3 Amp , Power: 3 Amp, Voltage: 12 VDC, Wattage: 36 Watt operate the brightness of upto 5m of LED tape	2	Nos	
47	ELC047	Analog Component Trainer	Analog Component Trainer with all internally mounted components having the Facility to study of ohms law, kirchhoff's law , filters & rectifies ,voltage regulator, Covers basic semiconductor devices such as diodes, BJT, FET, JFET, MOSFET, UJT, PUT, DIAC, TRIAC, SCR, IGBT, LDR, VDR, various Diodes, Opto-coupler, Relay and fundamental components like R, C and L. Specifications: • On-board resources such as resistor, capacitor, diode, Inductors, and Potentiometer banks of different values. • Dual DC 0 to 30V variable On-board power supply. • 6 different types of Diode characteristics study like general purpose Diode, Ge-Diode, FSD, Zener Diode, LED and Varactor Diode. • 5 different types of transistors characteristics study like BJT, JFET, MOSFET, UJT and PUT. • 4 different types of power component study like DIAC, TRIAC, SCR and IGBT. • Bread board.	4	Nos	

48	ELC048	Op Amp trainer	<p>Covers Op-Amp(741) and its various applicatios, Allow study of timer using 555 IC, Study of F/V, V/F using Lm331, On board resistor,Capaciotr, Diode and Potentiometer banks of different values, Bread board area allows construction of circuits using external components along with on-board resources, On-board fixed power supply and variable regulated positive and negative power supply.</p> <p>Specifications: ● ±15V, ±12 and +5V fixed DC power supply, ● DC 1.5 to 10V, -1.5 to -10V variable power supply, ● IC 741 Op-Amp stage, ● 555 IC stage, ●LM331 IC stage., ●16 pin ZIF socket, ●Resistor bank, ●Capacitor bank, ●Potentiometers</p> <p>●Diodes, ●Zener diodes, ●NPN Transistor, ●N-channel MOSFET, ●LED, ●Bread board</p>	3	Nos	
49	ELC049	Digital IC Trainer	<p>Digital IC Trainer To study and verify basic logic gates, universal gates, flip-flops, counters, registers, multiplexer and de-multiplexer, Boolean equation, De-Morgan's theorem, half adder, full adder.</p> <p>Specifications:</p> <ul style="list-style-type: none"> ● Basic logic gate IC's NOT (IC-7404), OR (IC-7432), AND (IC-7408), NOR (IC-7402),NAND (IC-7400), EX-OR (IC-7486), NAND and NOR gates as Universal Logic Gates. ● De-morgans theorem I and II and Boolean Equation. ● Half Adder, full adder, half subtractor, full subtractor ● Basic flip-flops RS (using NOR), JK (IC-7476), D(IC-7474), MS-JK (IC-7476), D(IC-7474) and T (using JK) ● Ripple Counter (IC-7490), Synchronous Binary Counter (IC-74191), 4 Bit Ring Counter using 7476 Decade / BCD counter using (IC-7490), ● Universal Shift register (IC-74194) ● 9 bit parity Generator / Checker (IC-74280) ● Multiplexer (IC-74153) and Demultiplexer (IC-74138) ● BCD to seven segment decoder (IC-7447) ● 4 bit Comparator (7485), ● Switches to provide Logic 0 amd 1 inputs with indication ● LEDs to observe the output logic states 	4	Nos	
50	ELC050	Digital IC Tester	<p>A digital IC tester which can Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's., can test Microprocessor 8085, 8086, Z80 and can test Peripherals like 8255, 8279, 8253, 8259,8251, 8155, 6264,62256,8288,8284 can tests Seven segment display of common cathode& common anode type. It has Auto search facility of Ic's. Test by: Truth table/sequence table comparison. ZIF: 40 pin DIP ZIF sockets.and Keys: 28 Touch-keys Key pad with numerical & functional keys and Display: 9 Digit Seven Segment Display and Supply Input Voltage: 230V AC.</p>	1	No	
51	ELC051	Digital and Analog Bread Board Trainer	<p>Digital and Analog Bread Board Trainer combines all essential functions of Analog and Digital experiment with bread board, DC power supply, Function generator, 8 ohm speaker etc.</p> <p>Specifications:</p> <p>Fixed DC output : ±15V, ±12 @ 500mA, Variable DC output: Dual, 0-30V, 0-30V@500mA, AC supply: 5-0-5VAC, 12-0-12VAC, Including potentiometers, Functio generator (frequency range 1hz - 100khz), two digits of 7 segment LED display, Data switches, speaker, four channel adaptor, 16 bits LED display, ZIF socket (40,28,20 pin), Onboard analog/Digital Ammeter & Voltmeter, Should have a Short circuit protection.</p>	6	Nos	
52	ELC052	Rheostats various values and ratings	<p>25 W at 25 °C, CCTU 05-03B (PA1), Vitreous - RT style, Nominal Resistance(Ω)- 0.3 to 25 KΩ, Max. service Voltage(V)- 5 to 343, Current Range:0.3A to 5A, Tolerance :±10%. Standard. Temperature Co-efficient :±50ppm/°C to ±200ppm/°C.</p>	2	Nos	

53	ELC053	Laptop	Laptop 4th gen Ci5 processor , 4GB RAM , 1TB harddisk , Win8 pre loaded license O.S , 2 GB graphics card , DVD writer , standard ports and connectors	1	No	
54	ELC054	Laserjet Printer	Type : Mono , Resolution in dpi 600X600, papersize : A4, print speed in ppm (A4 size) 18 , Processor speed 266 MHz, type of port : 1 USB (ISO), Media size :A4,A5,Letter,Legal,Exclusive B5 (JIS),8 MB Memory	1	No	
55	ELC055	Computer (Assemble)	a. CPU : Intel Core i3 ,3.4 Ghz , 8 MB cache or its higher version, b.Chipset : Intel Q8 series c. Bus Architecture : 3 PCI (PCI/PCI Express) or more , d. Memory: 4 GB 1600 MHz DDR3 RAM with 32GB Expandability, e. Hard disk drive : 500 GB 7200 rpm or higher , f. Monitor : 47 cm (18.5 inch) larger LED / TFT Digital Colour Monitor , TCO-05,certified , g. keyboard :104 keys , h. Mouse : Optical with USB interface, i.Bays : 2 Nos. or above, j. ports. Operating system Windows 8 or latest, Power Supply ; SMPS , DVD , LAN Card , Blu-Ray drive and Players ,	4	No	
56	ELC056	MS Office education version	MS Office 365 Education for students with 5 user license and media	1	No	
57	ELC057	Electronic circuit simulation software with 6 user licenses	CircuitLogix Pro latest version with 6 user licenses & media	1	No	
58	ELC058	Different types of electronic and electrical cables, connectors, sockets, terminations.	<ul style="list-style-type: none"> • Audio Visual Cable,VGA Cable,7 Pin S-Video To 3 RCA RGB Male Adapter Cable, Hdmi to vga cable, 15 Pin VGA to S-Video RCA Cable,USB Male To VGA 15 pins Male Adapter Cable, PVC Insulation Single Core Cables 1.5 sq.mm (1 coil) • RJ45,RJ11 modular jack connector, USB connector, FPC connector, PCB Connectors, Fiber Optic Connectors• CPU Socket, DIMM/ SIMM Memory Module socket, Camera Socket, 28 pin IC socket, Micro SD socket, 6 outlet electrical extension socket • Spade Terminal, Pin Terminal, Ring Terminal, Push-on Terminal, PC Mount Modular Terminal 	2	Nos. each	
59	ELC059	Instructor's table	Half Secretariat table ,Steel structure , laminated top , 3 drawer with Automatic lock to the right side storage unit . : (H-20" x W- 14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	3	No	
60	ELC060	Instructor's chair	Armed chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	4	Nos	
61	ELC061	Metal Rack, 100cm x 150cm x 45cm	Metal Rack: 100cm*150cm*45cm with CRCA 18 gauge.capablity 120 Kg,finished powder coating ,4 layers	4	Nos	
62	ELC062	Lockers with 16 drawers standard size	Lockers with 16 drawers standard size:steel locker size 78"X36"X19D with 16 cabinets including card holders facilitywth a hole for external locking arrangement CRCA 18/20 gauge sheet for door and body	2	Nos	
63	ELC063	Steel Almirah	Steel almirah big size, Size:900mmX434mmX1952mm,steel gauge 20-22,04 Shelves along with one Locker, (ISO Certified)	4	Nos	
64	ELC064	White board with stand	Size: 900*1200 mm. Aluminium frame (All edges are furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser	2	Nos	
65	ELC065	Computer table	900 mm X 500 mm X 750 mm, made of good quality laminated board/ wood, thickness 20 mm, wheel channel sliding for keyboard one drawer with lock in the right side. With sunmica top and one tea-tray. Made by ISO certified company	1	Nos	
66	ELC066	Computer chair	Executive chair having high density cushioned seat and back, five wheels, revolving base PU handles, 30" back	1	Nos	
67	ELC067	Printer table	1050 mm X 650 mm X 50 mm, wooden, sunmica top	1	No	

68	ELC068	Water Purifier	Water Purifier UV plus, • Filtration / Purification Modules - Patented Heptapure Cartridge, Biotron Cartridge, Mineral Guard, UV Chamber • Purified Water Flow Rate* 2 litres/minute	2	No	
69	ELC069	Trainees dual desk	Dual Desk - 36", Consist of 18 mm thick Pre laminated Desk Top and Seat and Back made of Perforated Metal to suit its design and under structure made in 1" Square CRCA Tube duly powder coated.	10	No	
70	ELC070	Wooden armless Chair	Wooden armless chair with wooden seat and back of standard size-teak wood	8	No	
71	ELC071	Reading Table	5'x3'x2'6", top: 1.6" Commercial Board/wooden plank, wooden	1	No	
72	ELC072	Book shelf (glass panel)	a) Height – 1593mm, width-914mm, depth–310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company	1	Nos	
73	ELC073	Wooden open file rack	3 Shelves-teak wood Size: H - 36" x W - 36" X D15"	2	No	
74	ELC074	Door Mat	3'x15" size, coir made	2	No	
75	ELC075	Stool	stool made of steel structure	1	No	
76	ELC076	Table	Steel structure, Laminated sheet top and with one drawerSize : 48" x 30" x 30"	2	No	
77	ELC077	Working table	1500x900mm., wooden, standard height with drawer	2	No	
78	ELC078	DSO (colour)	Colour Digital Storage Oscilloscope with FFT, Horizontal: Bandwidth- DC-100 Mhz, Channel: 2, Bandwidth limits: 1GS/s, Sample Rate: 1GS/s, Display type: 7 inch LCD color(800 X 480 pixels), Input Mode: Sample, Peak detect, averaging, Input coupling: DC,AC,GND Input Impedance: 1 M? +- 2% in parallel with 20pF +- 3 pF, Max input voltage: 300 VRMS, Vertical resolution: 8 bits vertical sensitivity : 2mV/div~5V/div(input to BNC), Rising time: 3.5 nS, Accuracy: +- 3%,Trigger source: CH1, Ch2, Line, External, Trigger Modes: Auto,Normal,Single,Edge, Trigger coupling: Ac,DC,LF Reject, HF Reject, Trigger Sensitivity: DC to 100 Mhz:200 mV, Trigger level range: Ch1,Ch2: +-8 division from center of screen Interface: USB, Power Supply: Ac230V,50 HZ	1	No	
79	ELC079	Soldering & De soldering Station	Input Voltage : 190 V to 270COutput Voltage : 24VACSoldering Wattage : 60 WattsDe-Soldering Wattage : 70 WattsTemp Range : 180 - 480°CTemp Accuracy : ± 1°C Tip to ground potential : Under 2MV Tip to ground Leakage : Under 2V vacuum : 600mm/Hg High Quality 24V DC Pump with 4000 RPM. Accessories :Control Unit ----- 1 No. Soldering Iron----- 1 No. De-Soldering Iron ----- 1 No. Combined Soldering & De-Soldering Stand -----1 No. Power Cord----- 1 No. Tool Box Containing :Primary Filter ----- 15 Nos Secondary Filters ----- 5 Nos Silicon Washer Set ----- 1 Set Glass Tube----- 1 No. Nozzle Cleaning Spring ----- 1 No. Reading Lamp (Illuminated Magnifying Glass, Clear & Powerful Light) ----- 1No.	1	No	

80	ELC080	SMD Soldering & De soldering Station with necessary accessories	Temperatue range: Soldering: 200 to 480 centigrade, Desoldering: 38 to 480 Centigrade, SMD Rework: 100 to 420 Centigrade, Station: output voltage AC 24 V , Vaccum Generator: Double cylinder type, Vacuum pressure: Max. 80kPa, Soldering Iron: Power consumption : 50 W, Tip to ground resistance: <math><2\Omega</math>, Tip to ground potential: <math><2mV</math>, Heating element: Ceramic heater Desoldering Gun: Power consumption : 50 W, nozzle to ground resistance: <math><2\Omega</math>, nozzle to ground potential: <math><2mV</math>, Heating element: Ceramic heater Handpiece(hot air) : Power consumption: 250 W	2	Nos	
81	ELC081	DOL starter	Squirrel cage induction motor 3 H.P. 400 V with D.O.L. starter 3HP , 400V with DOL Starter Laboratory type Motor should be mounted on a base plate. The Panel Board Consist of : • DOL Starter • Suitable Analog Voltmeter. • Suitable Analog Ammeter. Accessories : Tachometer for Speed Measurement. The circuit diagram will be supplied with the Motor. Instruction Manual	1	No	
82	ELC082	AC motor ¼ HP	1/2 HP, 220 V AC, 1440 rpm, SPDP, B3, Class B, Educational type banana Terminals should be provided	1	No	
83	ELC083	Frequency Modulation Transmitter Kit	On-board synchronous function generator of 1Hz ~ 100KHz frequency, FM modulator (quantity3), Works at center frequency of 455KHz. Specifications: Waveforms - 400KHz ~ 1.5MHz, Amplitude - 0~ 2 Vpp variable, Frequency range - 100Hz ~1KHz & 1KHz ~ 10KHz, Audio preamplifier with microphone, FM modulators: Varactor modulator with carrier frequency adjustment FM via PM, Operating frequency - Adjustable from 400KHz~500KHz, Input amplitude - 0.1 Vpp with integration circuit for indirect frequency modulation. PM modulator: Operating frequency - Adjustable from 400KHz~500KHz, Input amplitude - 0.5 Vpp with integration circuit for indirect frequency modulation, Mixer (frequency converter): Dual gate MOSFET inputs - Local oscillator and RF signal, Output IF frequency - 455KHz adjustable, IF filter - Dual tune LC, Transmitter output - 455KHz frequency 4 switch faults are provided on-board to study different effects on circuit, 2mm banana socket, 29 test points are provided on board to observe intermediate signals.	1	No	
84	ELC084	Frequency Demodulation Receiver Kit	Frequency demodulator with Foster seeley detector, Ratio detector, Phase locked loop detector, Amplitude limiter, Low pass filter etc. Specifications: Foster-seely detector - Operating frequency : Adjustable from 400 KHz ~ 500 KHz, Input amplitude : 1Vpp, Ratio discriminator detector - Operating frequency : Adjustable from 400 KHz ~ 500 KHz, Input amplitude : 1Vpp, Face lock loop detector - Operating frequency : Adjustable from 400 KHz ~ 500 KHz, Input amplitude : 1Vpp, Face detector and FM quadrature detector - Operating frequency : Adjustable from 400 KHz ~ 500 KHz, Input amplitude : 1Vpp, Amplitude limiter - Operating frequency : 455KHz, Input amplitude : 0.5 ~ 5 Vpp, Output limited amplitude : 1.5 Vpp, Low pass filter - 4th order butter worth filter Cut-Off frequency : 3.4 KHz, Audio output, 4 switchfaults are provided on-board to study different effects on circuit, 2mm banana socket, 29 test points are provided on board to observe intermediate signals	1	No	

85	ELC085	PAM, PPM, PWM trainer kit	<ul style="list-style-type: none"> • Modulation & Demodulation Techniques : PAM, PWM, PPM, Line Coding Techniques • Internal Signal Generator : Direct Digital Synthesizer Types of Signal : Sine, Square, Triangle, Arbitrary signals. Frequency : 500Hz, 1KHz, 2KHz, 3KHz • External Signal : Types of Signal : Sine, Square, Triangle, Arbitrary signals, Maximum Input Voltage : 3Vpp (Max.) +1.5V DC offset, Frequency : 500Hz to 3.5KHz, • Sampling/Ramp Frequencies : 1.25KHz, 2.50KHz, 5KHz, 9.80KHz, 19.53KHz, 39.06KHz, 78.13KHz, • SMD LED Indicators : 46 nos for DDS signal selection, DDS signal frequency selection, Sampling selection, Technique Selection, Interconnect path, • Crystal Frequency : 20MHz, • Selection Mode : Push switches, • Random Data : 8 Bit/ 16 Bit/ 32 Bit (For line Coding), • Data Frequency : 500Hz, 1KHz, 2KHz, 3KHz, • Test Points : 29 nos. 	2	Nos	
86	ELC086	AM/FM Commercial radio receivers	<p>Tuner Bands : MW / SW / FM</p> <p>Tuner Type : Analog, Tuning Type : Manual; AC to DC Adapter ; Battery Cells Operated; Sound system : mono; Volume control : rotary; Output power : 100mW RMS; Display Digits : 4; Display type : LCD display; Battery type : AA size (LR6); Battery voltage : 1.5V; No. of Batteries : 2nos.; Tuner bands : FM, MW, SW; Audio output : Headphone (3.5mm);</p>	2	Nos	
87	ELC087	Microcontroller kits (8051) along with programming software (Assembly level Programming)	<ul style="list-style-type: none"> • In built power source : Inbuilt +5V power source provided • Microcontroller unit (Atmel89C55WD) • Clock unit : 11.0592MHZ • Serial port for program download • on board USB using FT232 CPU (89C55wd) • crystal frequency 11.0592MHZ • 20K Bytes of In-System Reprogrammable Flash Memory • 256 x 8-bit Internal RAM • 32 Programmable I/O Lines • Three 16-bit Timer/Counter • Eight Interrupt Source • Low Power Idle and Power Down Modes External Memory Interface • Battery backup RAM : 32Kbytes using 62256 data memory • RAM : 8Kbytes using 6264 • 64 Kbytes expandable program memory for future use Interrupts • INT0 and INT1 are available to user; <p>Trainer kit should use alone for training purpose of 8051 different functions and features, also interface should be done for project work.</p>	4	Nos	
88	ELC088	Application kits for Microcontrollers 6 different applications	<p>1. Advanced Voting Machine using 8051</p> <p>2. Heart rate monitor using 8051</p> <p>3. Water level controller using 8051</p> <p>4. Gas Leakage Detector using 8051</p> <p>5. Solar Panel/Sun Tracker using 8051</p> <p>6. Frequency Meter using 8051.</p> <p>Application kits with all accessories</p>	1	each	

89	ELC089	Sensor trainer kit (containing Various sensors like Thermocouple, RTD, Thermocouple, load cell, strain gauge, LVDT, smoke sensors, speed sensor)	<p>Sensor Trainer Kit with Master Unit and Modular experiment panels.</p> <ul style="list-style-type: none"> ● Master unit: Built in power supply: Dc supply +/- 12 V, 500 mA, variable 7 V to 14 V @3 Amp, Built in function generator : O/P waveform- sine, triangular & square, TTL O/P freq. 1 Hz to 200 KHz in ranges with amplitude & freq. control pots, o/p voltage 10 Vpp, Onboard measurement : DC voltmeter 2V/20V & LED BAR graph with 10 LED indicator to display 0-2.5 V or 0-4 V input Computer Interface: interfaces through 25 pin parallel port. interfaces through 25 pin M to F cable 1 mtr length . 4 ADC channels: 0 to 2.5 V full scale, 1 DAC channel: o/p 2.5 V full scale, V to I function block : Input 0-2.5 Vdc, output : 0, USB converter to interface 25 pin D connector on CIA panel to USB using PIC18F microcontroller 28 pin SOIC enclosed in 25 Pin D shell using Type A to mini B cable, Operating voltage: 220V/230 V +/- 10 %, 50 HZ, 75 VA ● Modular experiment Panels: <p>1. Strain gauge Transducers 2. Displacement sensing transducers 3. Speed sensing transducers 4. Sound sensing transducers, 5. Light sensing transducers 6. Temperature sensing transducers 7. Vibration sensor and air flow sensor experiment panel 8. Electrical parameters measurement sensor panel 9. Encoder experiments panel 10. Temperature sensor calibration panel 11. Electromagnetic & Magnetic sensor/actuator experiment panel</p>	2	Nos	
90	ELC090	Fiber optic communication trainer	<ul style="list-style-type: none"> ● Fiber Optic Transmitter : Two wavelength (660nm and 950nm), ● Fiber Optic Receiver : 2 types (PIN Photo Diode, Photo Transistor detector), ● On-board function generator 1Hz ~ 10KHz, ● Fiber optic analog link and digital link, ● Modulation techniques : - Direct intensity modulation, - Frequency modulation, - Pulse width modulation(PWM) (with variable clock 4 K z, 8 KHz, 16 KHz, and 32 KHz), - Pulse position modulation(PPM) (with variable clock 4KHz, 8 KHz, 16 KHz, and 32 KHz) ● Transmitter : Two Siemens fiber optics LED, ● Receiver : Two fiber optic photo detector, ● On-Board Signals - SineWave - Frequency : 1Hz ~ 10KHz, - Amplitude : 0 ~ 4 Vpp, TTL-Square Wave - Frequency : 1Hz ~ 10KHz, ● Analog/digital bandwidth : 2MHz / 5MHz, ● Filter circuit : 4th order Butterworth filters with 3.4 KHz cut-off frequency, ● Voice Communication : Fiber optic voice link using dynamic mike and speaker, ● Baud rate : Maximum 115.2 kbps baud, ● Fiber optic cable : Type : plastic optical cable, step index, multimode, ● 8 Switch faults and 24 test points should be provided on board to study different effects on circuit and observe intermediate signals, Power supply : GND, +5V, +12V, -12V 	2	Nos	
91	ELC091	Seven segment DPM	<p>7-segment digital display, character height: 7.0 mm, and single illuminated display</p> <p>Supply voltage: 24 VDC, Operating voltage range: 85% to 110% of the rated supply voltage, Power consumption 2.5 w max., Input Signal: DC voltage, DC current, no-voltage contact, open collector, DC voltage/current input: Double integral method, pulse signal input : periodic measurement method, Relay contact output : 1A, 30 VDC(resistive load), Main functions : Scaling, prescaling, teaching, average processing, forced zero, display color selection, output type selection, key protection, startup compensation timer, hysteresis, with all accessories and operation manual</p>	6	Nos	

92	ELC092	LCD based DPM	<ul style="list-style-type: none"> ● 200mV full scale input sensitivity ● Single 9V DC operation ● Decimal point selectable ● 13mm figure height ● Automatic Polarity indication ● Guaranteed zero reading for 0 volt input ● High input impedance (> 10 MV) ● Easy Bezel fixing Method.●Maximum Input: 200 mV DC, ●Maximum Display: 1999 counts (3½ Digit) with automatic polarity indication ● LCD Display, ● Input Impedance: > 100MV, ● Accuracy: ± 0.5% of full scale (230 ±50C < 80%RH), ● Decimal Points: Selectable with wire jumpe, ● Supply Voltage: 7-11V DC 	6	Nos	
93	ELC093	UPS trainer	<p>Aluminum Flat demo pannel frame with 4nos associated exprement pannel system.</p> <ul style="list-style-type: none"> • OFF line UPS Trainer Specification :- Input Voltage: 170-270volt AC, Output Voltage: (input present)195-250V. Load capacity :- 200W Battery : 12V 7AH Battery Backup of 5min. on 200W lamp -20min. max. • Exprement pannel :- 1) Input and output exprement pannel 2) Battery and Transformer exprement pannel 3) AVR / Charger exprement pannel 4) Inverter Exprement pannel 	1	No	
94	ELC094	UPS 3 KVA	<p>1 Phase Input - 1 Phase Output, DSP based Double Conversion Online UPS system with true galvanic isolation.</p> <p>Ratings - 3 KVA</p> <p>INPUT: No. of Phases 1Phase-3Wire P,N,E ; Voltage Range- 170 V - 280 Volts AC ; Input Frequency Range - 47 to 53Hz.</p> <p>OUTPUT: Power - 2400 W; Load PF Range - 0.8 lagging; Output Waveform - Pure Sine Wave; Voltage - 230 V +/-1%; Frequency - 50Hz +/- 0.1%; Load Crest Factor > 3:1; Output Voltage THD - <=3% on Linear Load; Loading Capacity - 110% for 2 Minutes</p> <p>BATTERIES: No. of 12V Batteries - 12; Voltage - 180 VDC; Battery Charging current - 1 Amp to 10 Amp;</p> <p>Battery Recommendation - 24 Ah</p> <p>Battery Self Test - Automatic & Manual</p> <p>GENERAL: Indication - LCD pannel; Alarm - Mains Failure, Battery Low, Over Load Short Circuit; Protection - Short Circuit , Over Voltage & Under Voltage Protection; Cooling - Forced Air Cooling; UPS Efficiency - > 85%; Operating Temperature - 0-45DegC; Operating Humidity - 95% Condensing; Monitoring Software - Additional Software available for remote monitoring;</p> <p>Accoustic Noise - <45 Db at 1 meter; Protection Class - Ip20</p>	1	No	
95	ELC095	Mobile phone	<ol style="list-style-type: none"> 1. Display: 2.4" (6.1 cm) LCD Display, Resolution: 240 x 320 Pixels, Camera: 2 MP 1200 x 1600 Pixels, 4x Digital Zoom, with all accessories 2. Display Size 7.1 cm (2.8), Display Resolution 240 x 320, Camera: Yes, Bluetooth Bluetooth V2.0 with A2DP, with all accessories 3. Display 5.50-inch, 3G/4G, Processor 1.5GHz, Camera Resolution 720x1280 pixels, Front Camera 5-megapixel, Rear Camera 13-megapixel , OS Android 5.1,Battery Capacity 3000mAh, with all accessories 	1	each	

96	ELC096	Smart phones of different make (android/Windows)	<p>1. Operating System: Android, CPU: 1.3 GHz , Quad Core, RAM: 1 GB, Display: 4.5 inches , Resolution: 854 X 480 pixels touch screen, Rear Camera: 8 MP, Front Camera 2 MP, Battery: Removable Lithium-Ion, 2000 mAh or higher with all accessories</p> <p>2. Operating System: Android OS, , CPU: Quad-core 1.2 GHz, Display: 5.0 inches TFT capacitive touchscreen, Resolution: 540 x 960 pixels, Rear Camera: 8 MP, 3264 x 2448 pixels, Front Camera: 5 MP,1080p, Wi-Fi 802.11 b/g/n, MP4/H.264 player with all accessories</p> <p>3. Operating System: Android, Processor: 1.2GHz quad-core, RAM 1GB, Mass memory: 8GB, DISPLAY: Screen size (inches) 5.00 touchscreen, Resolution: 720x1280 pixels, CAMERA: Rear camera 8-megapixel, Battery capacity: 2100mAh or higher with all accessories</p> <p>4. Operating System: Windows Phone, CPU: Dual-core 1.2GHz, Display size: 4 inch, Resolution: WVGA (800 x 480) touch screen, RAM: 1 GB, Mass memory: 8GB, Main camera: 2.0 MP, Front camera: VGA 0.3 MP, Battery capacity: 1500 mAh or higher with all accessories</p>	1	each	
97	ELC097	Precision set of screw drivers- T5, T6, T7	<p>45-in-1 magnetic interchangeable precise manual tool set. Professional portable hardware tools. Light weight, compact design. High hardness and good toughness. PP&TPR material, non-slip handle. By using this set of tools,one can remove the small part of computer /Mp4...and repair the device without damaging it. Specification: Material: PP & TPR & CR-V steel Hardness: H.R.C. 50-52 Package weight: 345g/12oz Package size: 19.5*11.5*3.2cm/7.8*4.5*1.3in 1 * 11.5cm Tweezer 1 * 12cm Handle 1 * 10cm Extension bar 7 * CRV socket: M2.5, M3.0, M3.5, M4.0, M4.5, M5.0, M5.5 35 * Screw driver: 10 * Torx screw driver: T3, T4, T5, T6, T7, T8, T9, T10, T15, T20 8 * Hex screw driver: H0.9, H1.3, H1.5, H2.0, H2.5, H3.0, H3.5, H4.0 5 * Cross screw driver?1.0, 1.5, 2.0, 2.5, 3.5 7 * Straight screw driver: 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0 1 * Triangle screw driver: 2.0 1 * Star screw driver: 0.8 2 * Y screw driver: Y2.0, Y2.5 1 * Circle screw driver: 1.5</p>	2	Nos	
98	ELC098	Tweezers – Bend tip	length 130 mm	2	Nos	

99	ELC099	LCD TV (Trainer kit)	LCD TV Trainer kit having following features ●The block diagram should be printed on single PCB. ● Fault creation facilities should be provided by switches. ● Section wise different colored screen printed circuit should be on the PCB for easy understanding of functions of different sections. , ● Typical ICs should be provided on sockets. ● Explanation, Observation, Alignment and adjustment of internal and External controls should be possible at a glance .● Having the facility of easy measurement of Voltages and observation of waveforms at any point. Also typical voltages and waveforms should be printed on the kit. and conforming to following specifications ● Display : 21"Diagonal Size ,Flat panel display / TFT active matrix, Max Resolution : 1280 x 1024 ● Aspect ratio : 4:3 or other compatible ● Image : - Image Brightness : 300 cd/m2 , Image Contrast Ratio : 1000:1 (minimum) , Image Max H-View Angle : 160 , Image Max V-View Angle : 160 , ● Interface : - Analog Video Input : RGB VGA (HD-15) , Analog Video Input : S-Video , Composite Video Input : RCA Yellow, Audio Input : RCA- Left (White), Right (Red)Antenna RF Input : RF - SDTV/ PAL, USB and HDMI interface4.. ● On Screen display : Volume, Brightness, Contrast, Color, Channel, Tuning. ● Remote Control functions : On screen display of Volume, Brightness, Contrast, Channel6. ● Audio Amplifier : 3 W PMPO7. ● Power supply : 230V AC, 50 Hz.	1	No	
100	ELC100	LED TV (Trainer kit)	LED TV Trainer kit having following features ● The block diagram should be printed on single PCB. ● Fault creation facilities should be provided by switches. ● Section wise different colored screen printed circuit should be on the PCB for easy understanding of functions of different sections.● Typical ICs should be provided on sockets. ● Explanation, Observation, Alignment and adjustment of internal and External controls should be possible at a glance .● Having the facility of easy measurement of Voltages and observation of waveforms at any point. Also typical voltages and waveforms should be printed on the kit. and conforming to following specificationsA1. Display : 21"Diagonal Size ,Flat panel display / TFT active matrixMax Resolution : 1280 x 1024 ● Aspect ratio : 16:9 and other compatible ● Image - Image Brightness : 300 cd/m2Image Contrast Ratio : 1000:1 (minimum)Image Max H-View Angle : 160Image Max V-View Angle : 1603. ● Interface - Analog Video Input : RGB VGA (HD-15)Analog Video Input : S-VideoComposite Video Input : RCA Yellow,Audio Input : RCA- Left (White), Right (Red)Antenna RF Input : RF - SDTV/ PALUSB and HDMI interface4.. ● On Screen display : Volume, Brightness, Contrast, Color, Channel, Tuning.● Remote Control functions : On screen display of Volume, Brightness, Contrast, Channel	1	No	
101	ELC101	Solar Power Inverter 500VA	500 VA/24V dual charge technology, which uses both grid and solar power for charging the battery with Solar tubular battery (min. 150Ah), Trolley, Solar Panel (max.500w), Charger and other accessories. Display: LCD display for metering I/P & O/P parameters, Technology: MPPT Technology, Input Parameters: Nominal I/P DC Voltage- 24V, Input DC Voltage Range- 23.2-28.8V±0.2V, GRID CHARGER: Grid I/P Voltage Range- 150VAC-260VAC, Charging Current 13.0A±1A, Output Parameters: Waveform & Regulation - Pure Sine Wave 220V±2%, Total Load - >90%, SOLAR CHARGE CONTROLLER: Type MPPT, Charging Current I _{max} - Peak 24.0A.	1	No	
102	ELC102	LCD TV	22 inch with 1366 X 768 resolution , power cord , power supply , AC 110-240V,50/60 Hz	2	Nos	
103	ELC103	LED TV	24 inch with 1366X768 resolution ready , power cord , power supply , AC 110-240V,50/60 Hz	2	Nos	

104	ELC104	Home Theatre	Number of channel 2.1 DVD disc capacity yes,USB host yes total power 130	1	No	
105	ELC105	SMPS	SMPS for CPU , SMPS for DVD , SMPS for LED or LCD , SMPS for Laptop	4	No	
106	ELC106	Power Electronic Trainer Kit with at least 6 nos. of onboard application	1) Study of DC Mosfet chopper , SCR Firing circuits using various firing techniques 2) Onboard lamp loads (24V/5W for MOSFET Chopper and 24V/2W for SCR firing circuits) 3) Onboard power indicator LED 4) 220V , built-in IC regulated power Supply 5) Enclosed in an attractive wooden cabinet with cover 6) detailed instruction manual	4	Nos. each	
107	ELC107	LED lighting system	LED Lighting Testing System <ul style="list-style-type: none"> ● 0 to 245V variable AC voltage ● Inbuilt Multi function Meter to measure Current, Voltage, Power and Power Factor ● Measuring Electricity consumption of different loads ● Equipped with Automatic dusk to dawn Switch ● External Load can be connected for testing ● Robust and durable ● Suitable for LED manufactures and suppliers ● Can be used as a training system 	2	nos	
108	ELC108	Clamp Meter	Digital AC/DC Clamp Meter 0-10A	2	nos	
109	ELC109	Autotransformer	Three phase 15 Amp autotransformer	2	nos	
110	ELC110	Milli Ammeter (AC)	0-200 mA AC Milliammeter	2	nos	
111	ELC111	Milli Ammeter (DC)	0-500 mA DC Milliammeter	2	nos	
112	ELC112	Mobile Phone Trainer	2G/3G/4G Dual SIM GSM Handset. Frequency measurement and band verification. Real time Mobile Operator	1	no	
113	ELC113	Cell Phone power source	Wall Mount Phone Charging Station works with most mobile device, Charge up to 8 devices at once (Mobile, micro USB, iPad, iPhone charging tips), Each charging cable extends out minimum 10 inches from the front of the back panel, Changeable charging cables with All accessories	1	no	
114	ELC114	Solar Training Kit / Simulator	With built in meters for DCV, DCA, AC multifunction Meter (for ACI , ACV , Power, Frequency) , protection circuits , BS-10 terminals for making the connection , single / Dual axis tracking system , Charge Controller : PWM based MPPT , Charging stage : Bulk Absroptions and Float	1	no	
115	ELC115	Fire buckets	Standard Fire Buckets made of GI material,Red painted and round bottom with handle and must be of 9 Litre Capacity and stand have to arrangement for hanging of 4 Buckets.stand made of MS Angle 35mm x 35mm x 4 mm.	2	nos	
116	ELC116	Notice Board	750mm x 1200mm, 30mm deep aluminium frame, 4mm plexishock vandal resistant doors, Security lock with 2 keys, Zinc electroplated white backboard accepts magnets, Elastomer seal , Anti condensation vents, Easy swap door system allows easy change of door	1	No	
117	ELC117	Book Shelf	a) Height – 1593mm, width 914mm, Depth – 310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company	2	No	

Name of Bidder:						
Trade: Surveyor						
Sl. No	Item code	Item	Specifications	Quantity	Unit	Make/Brand
1	2	3	4	5	6	7
1	SUR001	Engineering Instrument Box	one 15 cm compass with pin point, pin point & lengthening bar, one pair spring bows, rotating compass with interchangeable ink and pencil points, drawing pens with plain point & cross point, screw driver and box of leads.(0.2,0.3,0.4 mm).	41	Nos	
2	SUR002	Protractor 15 cm full circular	Celluloid 15 cm full circular	41	Nos	
3	SUR003	Card board/ plastic metric scale set- A to H	metric set of eight A to H in a box 1: 1,1:2, 1:2:5,1: 5, 1:10, 1:20, 1:50, 1:100,1:200, 1:500, 1:1000,1:2000,1:1250,1:6000, 1:38 1/3, 1:66 2/3	41	Nos	
4	SUR004	Diagonal scale, electroplated	Very fine, accurate, black, deep denigrated graduations on a matt, 250 mm long by 40 mm wide by 2 mm thick with 4 diagonal scales, 2 on each side	41	Nos	
5	SUR005	Celluloid set square	Celluloid 25 cm, 2mm thick with beveled edges 60 degrees & 45 degrees.	41	Nos. Each	
6	SUR006	Drawing Board With stand	1250 x 900 mm. Board, with steel tubular stand.	21	Nos	
7	SUR007	T square 1250 mm	T-Square- Aluminum With removable header, with graduation both in metric and inch.	41	Nos	
8	SUR008	Erasing shield small size	2 ¼ "x 3 ½", Flexible stainless steel, matte finish. A valuable aid in precision erasure of particular sections, lines, dots, or curves.	41	Nos	
9	SUR009	Architect's & builder's template	Contains circles, rectangles, lavatory and kitchen fixtures, roof pitch index, tile layout gauge, door swings, floor elevation indicator, and electrical symbols. Scale: ¼" = 1'. Size: 5 1/8" x 9 1/4" x .030"	20	Nos	
10	SUR010	Chisel	Steel, 80 mm blade, hammer headed.	20	Nos	
11	SUR011	French curve	Transparent plastic set of 12 curves with inking edges.	20	Nos	
12	SUR012	Mettalic tape 15 cm	Mettalic tape 15 cm	41	Nos	
13	SUR013	Abney level	Graduated 0-+/-90 degrees, 0-+/-100% on a stationary arc Vernier reads to 10' Scale pointer incorporates friction thumb lock Includes leather carry case with belt loop	1	No.	
14	SUR014	Ammonia printing machine with box	Continuous plan printer best suited for reproduction from any transparent original, rotating glass Cylinder on endless conveyor material round the light source and excellent contact Mechanical gear drive assembly designed for heavy duty operation, smooth dependable forward reverse movement gives higher output, No slippage. Reliable Electronic system electronic system saves power consumption voltage stabilized Electronic Control Device eliminates over heat. Strong all metal body designed for strength and looks elegant.	1	No.	

15	SUR015	Box sextant	Ultra-modern technology and optimum quality raw materials in accordance with set quality norms. Provided product is used to measure the angle between any two steady objects.	2	No.	
16	SUR016	Boning rod	T-shape, metal stand, 1.25m, 5800gm.	1	Set	
17	SUR017	Binocular	Size- Full Size Binoculars, Eye Relief- 18mm, Waterproof, Magnification- 8x , Objective Lens Diameter- 42mmField of View at 1000 Yards- 430 ft. Exit Pupil- 5.3mmFocus Type- Center Focus, Close Focusing Distance-12 ft.Tripod Adaptable, Prism Type- Porro Prism Binoculars	4	Nos	
18	SUR018	White board	Size: 900*1200 mm. Aluminium frame (All edges to be furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser	2	Nos	
19	SUR019	Cupboard (Big)	Steel gauge 20-22, 04 Shelves with locker,(ISO Certified)Size: 180 x 90 x 45 cm	1	No.	
20	SUR020	Ceylon gnat tracer with stand & target	made up of brass with rack and pinion adjustment divided from 1 in 6 to 1 in 120 angles of elevation and depression, complete in a wooden box, with wooden stand and target	21	Boxes	
21	SUR021	Scientific calculator	Non programmable	21	Nos	
22	SUR022	Computing scales two hectares	Computing scales two hectares made of transparent plastic.	4	Nos	
23	SUR023	Computing scales five hectares	Computing scales five hectares made of transparent plastic.	4	Nos	
24	SUR024	Card Board scales -	Card Board scales - box of 8	4	Nos	
25	SUR025	Wooden cross staff - box type	box type , Smooth finishing,Light Weight, Easy to use	2	Nos	
26	SUR026	Wooden cross staff- open type	Open type, made up of 4 metal vanes at right angles, having sight vanes and slots on opposite arms supplied in a wooden box with a wooden pole of 1.5m long and 3cm, dia, provided with iron shoe at bottom.	2	Nos	
27	SUR027	Engineer's chain	100 feet long, divided into 100 links and each link 1 ft. Tallies are provided at every 10 links (10 feet).	21	Nos	
28	SUR031	Engineer's level	Length: 140Height: 45Depth:40Weight:1.4Range of Adjustment; 10mm/mSensitivity per division: 0.2	6	Nos	
29	SUR032	Dumpy level	Modern form of Dumpy level. Telescope tube and the vertical spindle cast in one and a long bubble tube is attached to the top of the telescope.	6	Nos	
30	SUR034	Tilting level	Telescope magnification-42x, Objective aperture- 50mm (2.0in.)Minimum focus-2.0m (6.6ft.), Standard deviation for 1km double-run leveling- 0.2mm (0.0008in.) with micrometer, Main level sensitivity- 10" / 2mm.	1	No.	
31	SUR031	Ferro printing frame	Size:- 800 X 600 mm	1	No.	
32	SUR032	Fire extinguisher	2 KG, CO2	1	No.	

33	SUR033	Gunter's chain	Divided into 100 links, marked off into groups of 10 by brass rings which simplify intermediate measurement. Each link is 7.92 inches long, with 10 links making slightly less than 6 feet 8 inches. The full length of the chain is 66 feet. A square link is exactly one hundred-thousandth of an acre and one ten-thousandth of one square chain or 0.0404685642 m ² . It is about 62¾ square inches.	2	Nos	
34	SUR034	Hand press for numbering & lettering	Non-Automatic Multi wheel metal stamp manual number and letter stamping press 3 to 18 wheel character size-1/32" to 1/4"	5	Nos	
35	SUR035	Canvas bag	Waterproof with good quality	1	nos	
36	SUR036	Height indicators	Granite base and rigid Z-direction mounting post for maximum reproducibility. Digital Height Indicator - 1 micron accuracy - 25mm range	8	Nos	
37	SUR037	Hold all canvas for instruments	Nylon, Leather, Canvas with Zip Closure, 50x20x40 cm(LBH)	8	Nos	
38	SUR038	Hones in case	Hones in case for sharpening (Survey of India).	8	No.	
39	SUR039	Tracing board with lamp	Ultra Slim. Use the latest art LED technology, and it is measuring only 0.2 inches of thickness. Portable. LPS5 weights only 0.3KG which makes it easier to carry around USB Connected. LPS5 comes with an USB cable which means that you can not only plug it into the wall charger, but also can connect to the computer or laptop. Working Surface: 8.27 inches×5.9 inches (A5 size) which is regarded as the smallest one in the field. Elegant Design with Unforgettable Decorative Pattern. The unique light pad which has the fashionable design.	2	Nos	
40	SUR040	Leveling staff	Telescopic Metric type, Three fold, Four meter long, smallest division 5 mm.	5	Nos	
41	SUR041	Metric chain	20 meter chain-divided into 100 links, each of 0.2 m. Tallies are provided at every 10 links (2.00 m). 30 meter chain- divided into 150 links, each of 0.2 m. Tallies are provided at every 25 links (5.00 m).	6	Each	
42	SUR042	Magnifying glass	5cm diameter. Optical grade magnifier, 2x magnifying lens with 6x bifocal, Ergonomic handle, Bright white, energy-efficient LED, Standard quality.	6	Nos	
43	SUR043	Magnet bar (for magnetizing through compass needles)	Permanent Magnet Bar 100mm or 150mm with superior quality.	2	Nos	
44	SUR044	Plastic tubes	For keeping drawings paper along with stap for hanging on shoulder	2	Nos	
45	SUR045	Pen knife	multi-function knives with multifarious blades and often gadgets including awls, reamers, scissors, nail files, corkscrews, tweezers, toothpicks, and so on	8	Nos	
46	SUR046	Pantograph	60cm, with four arms ABCD. Several ivory casters support and all other accessories.	2	Nos	
47	SUR047	Prismatic compass	Non-magnetic metal, diameter 8 to 10 cm, magnetic needle should attach to a graduated aluminium ring and with other accessories with stand.	3	Nos	
48	SUR048	Planimeter (digital)	8- Digit pulse count operation, clear liquid crystal digital readout. Scale readings in either metric or English and attached to wheel.	21	Nos	
49	SUR049	Proportionate compass	Proportionate compass 15cm long made up of steel and chromium plated.	21	Nos	

50	SUR050	Plane table with stand , accessories & water proofing cover	Plane table with stand, accessories like: alidade, trough compass, spirit level 6", U-forks and Plumb bob etc.	6	Nos	
51	SUR051	Telescopic alidade	Telescopic alidade made of brass,175mm internal focusing, vertical circle graduated to read 30 minute vernier with extendable base plate to 375mm and half degree divided giving angle of elevation and depression, mounted on top of telescope, telescope provided with stadia diaphragm, provided with all accessories, namely trough compass, U-frame with brass bob etc. complete in wooden box.	8	Nos	
52	SUR052	Indian pattern clinometers	rack & pinion arrangement with face & vane divided in one for elevation and one for depression in degrees and on other side with scale of tangents in carrying .	8	Nos	
53	SUR053	Ranging rod 4 m	Made by GI pipes. Diameter: 25mm.Length: 4 meter.Color: Black and White or Red and White.	10	Nos	
54	SUR054	Offset rod	Offset Rods 4m made of well seasoned pine wood. Alternately painted either black and white or red and white in length of 20cm.A recessed hook is provided at top.	40	Nos	
55	SUR055	Optical square	With a small circular metal box of diameter 5 cm and depth 1.25 cm and a metal cover which slides round the box.	5	Nos	
56	SUR056	Railway curves	Set of 50 in box, made up of transparent plastic.	4	Nos	
57	SUR057	Stool	Wooden stool of standard size	21	Nos	
58	SUR058	Survey plotting scale- 8 scales with offset scale in box	Card board scale, 30cm long metric (set of eight) A to H in a box 1: 1, 1:2, 1:2:5, 1: 5, 1:10, 1:20, 1:50, 1:100,1:200, 1:500, 1:1000, 1:2000,1:1250, 1:6000, 1:38 1/3, 1:66 2/3 in a case	1	Sets	
59	SUR059	Stencil set	4 piece of Stencil set Letters Alphabet Craft Number Lettering	21	Nos	
60	SUR060	Substance bar	3 to 4 m length, two discs of black or red colour about 20 cm at both ends of the bar, a circle of about 7.5 cm diameter in central portion of black or white colour. An Alidade, spirit level and tripod stands are also included.	2	Nos	
61	SUR061	Metallic tape	30 m, reinforced with brass or copper wires on a leather case with a brass handle at the end.	10	Nos	
62	SUR062	Metallic tape	20 m, reinforced with brass or copper wires on a leather case with a brass handle at the end.	10	Nos	
63	SUR063	Steel tape	30 m, made of steel ribbon of width varying from 6 to 16 mm graduated in meters, decimeters and centimeters.	10	Nos	
64	SUR064	Steel band	30 m & 20 m, made of steel ribbon of width of 16 mm, brass handle at each end, graduated in meters, decimeters and centimeters on one side and 0.2 m link on the other.	3	Each	
65	SUR065	Surveyor's umbrella	Heavy duty and water resistant Surveyor's umbrella of good quality.63 inch spread, 8 foot 3 sections pole with baked aluminum enamel finish. Yellow or blue colour.	21	Nos	
66	SUR066	Theodolite transit	Transit Vernier theodolite 20 ".consists of Trivet, Foot screws, leveling heads, lower and upper plate, telescope, plate and altitude bubble, compass etc. with stand.	8	Nos	
67	SUR067	Digital Theodolite	Latest model, With all accessories (Graphic LCD display on both sides. Multi function key board on both side. Able to interchange data between GPS and Total station without any data conversion. Minimum 8 hours rechargeable li-ion battery .Poles and Prism 2Nos each) from Leica.	2	Nos.	

68	SUR068	Rules ebonite plain for drawing lines	Rules ebonite plain for drawing lines	1	Nos.	
69	SUR069	Wooden set square, T square & Compass in a box (for chalk board)	Soft wood contains one each of Divider, Protractor, Set square 45 angle, and Set square 60 angle, Compass, Straight Rule and a Duster. Each with a finger grip for convenient handling. Packed in a well polished wooden box, fitted with brass fittings and a handle for carrying.	1	No. each	
70	SUR070	Software (Auto CAD)	AutoCAD 2017 with CD media License(Compatible with Windows8 Operating System) 10 user	1	No.	
71	SUR071	Total station	Latest model, With all accessories (Graphic LCD display on both sides. Multi function key board on both side. Able to interchange data between GPS and Total station without any data conversion. Minimum 8 hours rechargeable li-ion battery .Poles and Prism 2Nos each) from Leica.	1	Nos.	
72	SUR072	Hand GPS	Should have colored rich screen which show satellite constellation, maps, compass, Bearing/Heading screen, GPS Co-ordinate screen, Track screen, Track details screen, and speedometer.The Bearing/Heading screens and Track Screens should give information like Bearing, speed, direction and ETA options. The Meridian should be standard with support for up to 20 routes, 500 waypoints and up to 2000 track points which should be enough for the average walker and supports 12 built-in co-ordinate systems and 76 datum's.	2	Nos.	
73	SUR073	Computer table	900 mm X 500 mm X 750 mm, made of good quality wood/ laminated board, thickness 20 mm, wheel channel sliding for keyboard one drawer with lock in the right side. With sunmica top and one tea-tray. Made by ISO certified company	5	Nos	
74	SUR074	Computer chair	Executive chair having high density cushioned seat and back, five wheels, revolving base PU handles, 30" back	5	Nos	
75	SUR075	Printer table	1050 mm X 650 mm X 50 mm, wooden, sunmica top	1	No.	

76	SUR076	5 KVA online UPS	<p>1 Phase Input - 1 Phase Output, DSP based Double Conversion Online UPS system with true galvanic isolation.</p> <p>Ratings - 5 KVA</p> <p>INPUT: No. of Phases 1Phase-3Wire P,N,E ; Voltage Range- 170 V - 280 Volts AC ; Input Frequency Range - 47 to 53Hz.</p> <p>OUTPUT: Power - 4000 W; Load PF Range - 0.8 lagging; Output Waveform - Pure Sine Wave; Voltage - 230 V +/-1%; Frequency - 50Hz +/- 0.1%; Load Crest Factor > 3:1; Output Voltage THD - <=3% on Linear Load; Loading Capacity - 110% for 2 Minutes</p> <p>BATTERIES: No. of 12V Batteries - 12; Voltage - 180 VDC; Battery Charging current - 1 Amp to 10 Amp;</p> <p>Battery Recommendation - 42 Ah</p> <p>Battery Self Test - Automatic & Manual</p> <p>GENERAL: Indication - LCD pannel; Alarm - Mains Failure, Battery Low, Over Load Short Circuit; Protection - Short Circuit , Over Voltage & Under Voltage Protection; Cooling - Forced Air Cooling; UPS Efficiency - > 85%; Operating Temperature - 0-45DegC; Operating Humidity - 95% Condensing; Monitoring Software - Additional Software available for remote monitoring;</p> <p>Accoustic Noise - <45 Db at 1 meter; Protection Class - Ip20</p>	2	No.	
77	SUR077	Table	Laminated sheet top and with one drawer	3	Nos	
78	SUR078	Class room dual desk	Dual Desk - 36", Consist of 18 mm thick Pre laminated Desk Top and Seat and Back made of Perforated Metal to suit its design and under structure made in 1" Square CRCA Tube duly powder coated.	20	Nos	
79	SUR079	Trainees locker	Eight parts with eight locks steel Almirah for tools & instruments size: 50"x30"x18"(20 swg)	3	Nos	
80	SUR080	Mini Drafter	Mini drafter- a standard length of 16.5 inches. Reversible and aluminum clamp.	21	Nos	
81	SUR081	Table	Half Secretariat table ,Steel structere , laminated top , 3 drawer with Automatic lock to the right side storage unit . : (H-20" x W- 14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	3	No	
82	SUR082	Armed Chair	Armed chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	4	Nos	
83	SUR083	Armless Chair	Armless chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	8	Nos	
84	SUR084	Steel Almirah	Steel almirah big size, Size:900mmX434mmX1952mm,steel gauge 20-22,04 Shelves along with one Locker, (ISO Certified)	4	Nos.	
85	SUR085	Metal Rack	Metal Rack: 100cm*150cm*45cm with CRCA 18 gauge.capablity 120 Kg,finished powder coating ,4 layers	2	Nos.	
86	SUR086	Water Purifier	Water Purifier UV plus, • Filtration / Purification Modules - Patented Heptapure Cartridge, Biotron Cartridge, Mineral Guard, UV Chamber • Purified Water Flow Rate* 2 litres/minute	2	Nos.	
87	SUR087	Door Mat	3'x15"	2	No	

88	SUR088	Chair	Steel tubular resting chair with cushioned seat and back, With arm,standard size(18 swg MSPipe),ISO certified	2	Nos	
89	SUR089	Book Shelf	a) Height – 1593mm, width 914mm, Depth – 310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company	2	No	
90	SUR090	Computer System	1. CPU- Intel i3.3.2GHz, 6 MB 2. Chipset- Intel Series 3. Bus- Architecture 3PCI 4. Memory- 4GB 1600 MHz DDR3 RAM with 16 GB expendibility 5. Hard Disk- Drive 500 GB 7200 RPM or higher 6. Monitor- 47 cm or larger TFT/ LED digital colour monitor TCO-05 certified 7. Keyboard- 104 keys with USB interface 8. Mouse- optical with USB interface 9. Ports- 6 USB ports or more, 1 display port/ VGA port, audio port for microphone or headphone in front 10. DVD ROM Drive- 8X or better DVD RW drive 11. OS: Windows 10 or latest.	5	Nos	

Name of Bidder:						
Trade: Computer Operator and programming assistant						
Sl. No	Item Code	Item	Specifications	Quantity	Unit	Make/Brand
1	2	3	4	5	6	7
1	COP001	Desktop Computer	1. CPU : Intel Core i3, 3.2 GHz, 6 MB Cache or its higher version. 2. Chipset : Intel series. 3. Bus Architecture : 3 PCI (PCI/ PCI Express)or more. 4. Memory : 4 GB 1600 MHz DDR3 RAM with 16 GB Expandability. 5. Hard Disk Drive : 500 GB 7200 rpm or higher. 6. Monitor : 47 cm or larger(18.5 inch or larger) TFT/LED Digital Colour Monitor TCO-05 certified. 7. Keyboard : 104 keys with USB interface. 8. Mouse : Optical with USB interface. 9. Ports : 6 USB Ports or more (at least 2 USB with 3.0),1 Display port/VGA port, audio ports for microphone and headphone in front. 10. DVD ROM Drive : 8X or better DVD RW Drive. 11. Networking facility : 10/100/1000 on board integrated Network Port 12. Operating System : Windows 8 or higher preloaded, as specified, with Media and Documentation and Certificate of Authenticity. 13. OS Certifications : Windows 8 OS certification or latest. 14. Power Management : Screen Blanking, Hard Disk and System Idle Mode in Power On, Set up Password, Power supply SMPS Surge protected. 15. Antivirus : Latest version preloaded with Media and License of minimum 1 year.	31	Nos	
2	COP002	Laptop	Laptop 4th Gen Ci5 Processsor ,4GB RAM, 1TB Hard Disk, Win8 Preloded Licensed OS,2GB Graphics Card,DVD Writer, Standard Ports And Connectors.	1	No	
3	COP003	Wi-Fi Router	With Wireless Connectivity	1	No	
4	COP004	24 Port Switch With Wireless Connectivity option	24 port Gigabit ethernet switch with wireless connectivity option. <ul style="list-style-type: none"> • 24 10/100/1000BASE-T Gigabit Ports With Integrated 802.3af PoE • 4 Combo SFP Slots • Up to minimum 100 Wireless Users Connectivity. 	1	No	
5	COP005	Laser Printer	Colour laser printer, A4 Size	1	No	
6	COP006	Network Monochrome Laser Printer	A4 Size, Monochrome Printer	1	No.	
7	COP007	Optical Scanner (Flatbed A4)	Resolution (in dpi): 1200x1200,Speed (in PPM): NA,ADF Capacity: NA,Flat Bed Size: A4,Document Size: A4	2	Nos.	

8	COP008	Digital Web Cam	<ul style="list-style-type: none"> • HD video calling (1280 x 720 pixels) with recommended system • HD video capture: Up to 1280 x 720 pixels • Logitech Fluid Crystal™ Technology • Autofocus • Photos: Up to 8 megapixels (software enhanced) • Built-in mic with Logitech Right Sound™ technology • Hi-Speed USB 2.0 certified (recommended) • Universal clip fits laptops, LCD or CRT monitors 	4	Nos	
9	COP009	Blu-Ray Writer	Blu-ray Video, DVD Video/DVD±R/DVD±RW, CD DA/CD-R/CD-RW, VCD 1.1, Connectivity: Anynet+ (HDMI-CEC), Ethernet, DLNA, USB Host 2.01	2	Nos	
10	COP010	LCD Projector	4000 Lumens	1	No	
11	COP011	Projector Screen	With matte (antiglare) screen	1	No	
12	COP012	3KVA online UPS	<p>1 Phase Input - 1 Phase Output, DSP based Double Conversion Online UPS system with true galvanic isolation.</p> <p>Ratings -3 KVA</p> <p>INPUT: No. of Phases 1Phase-3Wire P,N,E ; Voltage Range- 170 V - 280 Volts AC ; Input Frequency Range - 47 to 53Hz.</p> <p>OUTPUT: Power - 1600 W; Load PF Range - 0.8 lagging; Output Waveform - Pure Sine Wave; Voltage - 230 V +/-1%; Frequency - 50Hz +/-0.1%; Load Crest Factor > 3:1; Output Voltage THD - <=3% on Linear Load; Loading Capacity - 110% for 2 Minutes</p> <p>BATTERIES: No. of 12V Batteries - 12; Voltage - 180 VDC; Battery Charging current - 1 Amp to 10 Amp;</p> <p>Battery Recommendation - From 24 Ah</p> <p>Battery Self Test - Automatic & Manual</p> <p>GENERAL: Indication - LCD pannel; Alarm - Mains Failure, Battery Low, Over Load Short Circuit; Protection - Short Circuit , Over Voltage & Under Voltage Protection; Cooling - Forced Air Cooling; UPS Efficiency - > 85%; Operating Temperature - 0-45DegC; Operating Humidity - 95% Condensing; Monitoring Software - Additional Software available for remote monitoring;</p> <p>Acoustic Noise - <45 Db at 1 meter; Protection Class - Ip20</p>	2	Nos	
13	COP013	Cable crimping tool	Crimping tool,RJ-45 , RJ11 Connector, Punching tool	1	No each	
14	COP014	Standalone Hard Disks	1 TB internal with SATA	4	Nos	
15	COP015	LAN Patch Cord and IO Box	1) 3 meter UTP Patch Cord; 2) 1 meter UTP Patch Cord; 3) Networking I/O Box	12	Nos Each	
16	COP016	RJ-45 connector	RJ-45 connector	50	Nos.	
17	COP017	LAN connectivity Accessories	1) 24 port Gigabyte Ethernet Switch; 2) 6U Wall Mount Rack; 3) 24 Port UTP Patch Panel	3	No Each	

18	COP018	Network Rack	6U Wall Mount Network Rack, Front Door with Toughened Glass quality. Adjustable Mounting rails - Front and Back 2 Fan Mounting provision Top and bottom cable entry provides Optimal flexibility for cable management Backside open with Easy wall mount provision Frame structure with max loading capacity up to 60kg Compatible with 19" International standards & ETSI standard	1	No	
19	COP019	Digital Multimeters, 3.5 digit handheld type.	Digital Multimeter:- 4 1/2 Digits, Measures DCV,ACV,DCA,ACA, resistance, capacitance, frequency and temperature, tests diode, transistor and continuity, full overload and shock proof protection	8	Nos	
20	COP020	Standard Screw Driver Set	Screw driver type set of 5 star & minus	10	Sets	
21	COP021	USB Mini Dongle for Bluetooth devices Connection	Standards: Bluetooth v2.1 + EDR Adaptive Frequency Hopping (AFH) USB 2.0 (type A)/Up to 3 Mbps/ Up to 100 meters in free space, Modulation: GFSK (1Mbps), 4-DQPSK (2Mbps), 8-DPSK (3Mbps),Support OS Windows 7/windows 8	6	Nos	
22	COP022	Bluetooth headphone & mic set	Wireless On-the-ear Headset Supra-aural Closed Headset Over-the-head Design Bluetooth Wireless Connectivity Built-in Omni-directional Microphone 34 mm Headset Driver Units 18 Hz - 22000 Hz Headset Frequency Response	6	Nos	
23	COP023	External Solid State Hard Disk 1 TB	USB interface, capacity 1 TB or higher, drive speed 3200 rpm or higher, catchy buffer 2 MB or higher	2	Nos	
24	COP024	MS Office	MS Office 2013 (professional) with CD media License(Compatible with Windows8 Operating System)	11	Nos	
25	COP025	Antivirus	Quick heal Total Security latest version with 10 User License and media	11	Nos	
26	COP026	Accounting software	Tally ERP 9 with CD media License(Compatible with Windows8 Operating System)	11	Nos	
27	COP027	Hand Held Vacuum cleaner	Vaccum cleaner Dimensions 330 x 230 x 210 in mm Net Weight 3.6 kg Voltage 230 V AC, 50 Hz	1	No	
28	COP028	Pigeon hole cabinet : 20 compartments	Fully Welded Construction Available with Doors - Standard Lock system with 2 keys Compartment Size: H155 x W245 x D375mm	1	No	
29	COP029	Chair and table for the instructor	Chair: Armed made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension, Table: Half Secretariat table ,Steel structere , laminated top , 3 drawer with Automatic lock to the right side storage unit . :(H-20" x W- 14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	2	Nos. Each	
30	COP030	Armless Chair	Armless chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	8	Nos	
31	COP031	Table	Steel structere, Laminated sheet top and with one drawerSize : 48" x 30" x 30"	2	Nos.	
32	COP032	Chair for Trainees	Cushion Chair with writing desk, tubular understructure of MS with epoxy powder coated fabric upholtry with PU foam seat and back. Full desklet with paper tray	20	Nos	

33	COP033	Computer table	900 mm X 500 mm X 750 mm, made of good quality wood/laminated top, thickness 20 mm, wheel channel sliding for keyboard one drawer with lock in the right side. With sunmica top and one tea-tray. Made by ISO certified company	31	Nos	
34	COP034	Operators chair	Executive chair having high density cushioned seat and back, five wheels, revolving base PU handles, 30" back	41	Nos	
35	COP035	Printer table	650 mm X 500 mm X 750 mm x 50 mm, wooden, sunmica top	4	Nos	
36	COP036	Split type Air conditioners	1.5 ton split with voltage stabilizer	4	Nos	
37	COP037	Storage cabinet	Steel cabinet four drawer with locking, size: 48"x 24"x 18"(20 SWG)	1	No	
38	COP038	White Board with stand	Size: 900*1200 mm. Aluminium frame (All edges to be furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser	2	Nos	
39	COP039	Steel Almirah	Steel almirah big size, Size:900mmX434mmX1952mm,steel gauge 20-22,04 Shelves along with one Locker, (ISO Certified)	4	Nos	
40	COP040	Filter	Plastic/fiber made, non-electric, storage tank capacity- 10-15 litres purified water, with filter cartidges and necessary accessories	4	Nos	
41	COP041	Stool	Wooden stool of standard size	2	Nos	
42	COP042	Door Mat	3'x15"	2	Nos	
43	COP043	Trainees dual desk	Dual Desk - 36", Consist of 18 mm thick Pre laminated Desk Top and Seat and Back made of Perforated Metal to suit its design and under structure made in 1" Square CRCA Tube duly powder coated.	10	Nos	
44	COP044	Table	Half Secretariat table ,Steel structure , laminated top , 3 drawer with Automatic lock to the right side storage unit . : (H-20" x W- 14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	4	Nos	
45	COP045	Armed Chair	Armed chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	4	Nos	
46	COP046	Metal Rack	Metal Rack: 100cm*150cm*45cm with CRCA 18 gauge.capablity 120 Kg,finished powder coating ,4 layers	2	Nos	
47	COP047	Chair	Steel tubular resting chair with cushioned seat and back, With arm,standard size(18 swg MSPipe),ISO certified	2	Nos	
48	COP048	Sound System	2.1	1	No	
49	COP049	LAN Tester	UTP cat5 cable tester (RJ 45)	5	Nos	
50	COP050	Punching Tool	for punching RJ 45 socket with cat 5 cable	5	Nos	
51	COP051	Fire Extinguisher	2 Kg, Co2	2	Nos	
52	COP052	Fire Buckets	Standard size	2	Nos	
53	COP053	Book Shelf	a) Height – 1593mm, width 914mm, Depth – 310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company	2	No	

Name of Bidder:						
Trade: Plumber						
Sl. No	Item Code	Item	Specifications	Quantity	Unit	Make/Brand
1	2	3	4	5	6	7
1	PLU001	Rule steel	300mm (both in inch and mm)	41	Nos	
2	PLU002	Rule wooden	4 fold 600 mm	41	Nos	
3	PLU003	Hacksaw frame adjustable	for 250 to 300	41	Nos	
4	PLU004	Scriber	200 mm.	41	Nos	
5	PLU005	Centre punch	100 mm.	41	Nos	
6	PLU006	Chisel cold flat	flat 20 mm	41	Nos	
7	PLU007	Hammer ball peen	800 gms.	41	Nos	
8	PLU008	Hammer ball peen	50 gms	41	Nos	
9	PLU009	File flat rough	300 mm	41	Nos	
10	PLU010	Level Spirit wooden	300 mm	41	Nos	
11	PLU011	Plumb bob	50 gms.	41	Nos	
12	PLU012	Trowel	C- 125- IS ; 6013.	41	Nos	
13	PLU013	Stillson wrench	200 & 350 mm	41	Nos. each	
14	PLU014	Screw driver	250 mm	41	Nos	
15	PLU015	Wooden mallet small	small IS ; 2022	41	Nos	
16	PLU016	Cutting pliers	200mm, IS : 3650	41	Nos	
17	PLU017	Steel tape	5 mtrs	41	Nos	
18	PLU018	Surface plate	400 x 400 mm grade I	1	No.	
19	PLU019	Marking Table	900X600X900 mm high	1	No.	
20	PLU020	V" Block	with Clamp 80/7 -63A IS 2949	2	No.	
21	PLU021	Combination Set	200 mm	1	No..	
22	PLU022	Scribing block universal	300 mm	2	Nos	
23	PLU023	Hand vice	jaw 50 mm	2	Nos	
24	PLU024	File flat smooth	200 mm	2	Nos	
25	PLU025	File half round rough	300 mm	2	Nos	
26	PLU026	file square rough	250 mm	2	Nos	
27	PLU027	file square Smooth	200 mm	2	Nos.	
28	PLU028	File Triangular Rough	250 mm	2	Nos.	
29	PLU029	File Flat Rasp	250 mm	2	Nos.	
30	PLU030	File Triangular Smooth	200 mm	2	Nos.	
31	PLU031	Chisel cold flat	20 mm x 300 mm	2	Nos	
32	PLU032	Chisel cross cut	6 x 150 mm IS -402	2	Nos	
33	PLU033	Chisel round nose	3 x 150 mm IS - 402	2	Nos	
34	PLU034	Chisel diamond point	6 x 150 mm	2	Nos	

35	PLU035	Tap and die set	to cut BSF.,B.S.W. and metric threads of sizes No. 6 to M-12 thread	1	Set each	
36	PLU036	Screw Pitch gauge	to cover above threads	1	Set	
37	PLU037	Punch	letter set	1	Set	
38	PLU038	Punch	number set	1	Set	
39	PLU039	Saw plumber	300 mm	2	Nos	
40	PLU040	Spanner monkry	up to 50 mm	2	Nos	
41	PLU041	Stove melting solder	Electric soldering pot for soldering station, Temperature range 150-500C.	1	No	
42	PLU042	Cutter, pipe wheel type	6 mm x 25 mm	1	No	
43	PLU043	Oil stone	150 mm x 50 mmx 25 mm	2	Nos	
44	PLU044	Soldering iron , copper fit fire heated, hatched, straight	500 gms.	4	Nos	
45	PLU045	Snip straight & Snip bend	250 mm	2	each	
46	PLU046	Snip Bend	250 mm	2	Nos	
47	PLU047	Try square	200 mm	2	Nos	
48	PLU048	Inside caliper	150 mm	2	Nos	
49	PLU049	Caliper outside	150 mm	2	Nos	
50	PLU050	odd leg caliper	200 mm	2	Nos	
51	PLU051	Tenon saw	14" , 11TPI with wooden/plastic handle	2	Nos	
52	PLU052	Handsaw	18", 10 TPI with wooden/plastic handle	2	Nos	
53	PLU053	Mortise chisel	10mm with handle	2	Set	
54	PLU054	Firmer Chisel	9 mm with handle	2	Set	
55	PLU055	Mallet medium	Wooden	2	Nos	
56	PLU056	Jack Plane	Plain Base, Cast Iron Body, Blade Made out of Carbon Steel, Duly Hardened, with Wooden/ Plastic Handle.	2	Nos	
57	PLU057	Gas Welding Set	with oxygen acetylene cylinder	1	No	
58	PLU058	Goggles pair	welder 100 mm	2	Pairs	
59	PLU059	Brush steel wire	150x50 mm	1	No	
60	PLU060	Table Welding	1200X750 mm with fire brick top and Stand	1	No	
61	PLU061	Pliers combination	200 mm	2	Nos	
62	PLU062	Blow lamp	500 millilitre	2	Nos	
63	PLU063	Washer cutter	Standard washer & Gasket cutter	1	No	
64	PLU064	Mirror	100 x 150 mm	2	Nos	
65	PLU065	Scribing gauge	size 3 inch	1	No	
66	PLU066	Soil pot with brush	Plastic pot with 2 inch brush	1	No	
67	PLU067	Pot hook	stainless steel hook	1	No	
68	PLU068	D.E.Spanners	7x8, 10x11, 13x17, 19x22, 24x27	2	Sets	
69	PLU069	Branch gimlets	Gimlet with wooden handle	2	Nos	
70	PLU070	Bending spring	Made of steel of different dia of 4 piece set	1	Set	
71	PLU071	Plumber ladle	Standard size and good quality make	2	Nos	
72	PLU072	Tool caulking set	Standard size and good quality make	2	Nos	
73	PLU073	Plumbers metal melting pot	10 kg.	1	No	

74	PLU074	Pipe stock and dies complete with stock brushing, bushing holders taps and tap wrenches	size covered to suit pipes of bore dia 6,8,10,20,25,32,40 and 50 mm.	4	Sets	
75	PLU075	Pipe vice to grip pipes	up to 77 mm IS - 2587	4	Nos	
76	PLU076	Stillson pattern pipe wrenches	450 mm to take pipe up to 52 mm dia IS 4003	2	Set	
77	PLU077	Stillson pattern pipe wrenches	320 mm to take pipe upto 20 mm to 32 mm.	2	Set	
78	PLU078	Chain pipe wrench	90 mm 650 mm IS 4123	2	Nos	
79	PLU079	Adjustable spanner	A 375 IS: 1649	2	No	
80	PLU080	Anvil	50 or 63 kg. IS - 510	1	No	
81	PLU081	Pipe bender manually operated	Standard size and good quality make	1	No	
82	PLU082	Leg Vice	75 mm, jaw on stand IS - 2588	1	No	
83	PLU083	Hand drill with drill chuck	6 mm capacity Electric	1	No	
84	PLU084	drill twist (straight shank)	3 mm to 6 mm	1	No	
85	PLU085	Portable forge	450mm with hand blower	1	No	
86	PLU086	Flat Smith tong	300 mm	2	Nos	
87	PLU087	Working Bench	2400X1200X750 mm with 4 vice 125mm jaws	2	Nos	
88	PLU088	Bath tub	Small size	1	No	
89	PLU089	Wash basin	(16"x14"x10")equivalent metric	2	Nos	
90	PLU090	Water heater	10 litres,	1	No	
91	PLU091	Water closet	(European type with over head cistern)	1	set	
92	PLU092	Water closet Indian type	complete with over head cistern	1	set	
93	PLU093	Urinal wall type	complete with automatic system	1	set	
94	PLU094	Water meter	Cold water screw type, 15 mm size, Class-A	2	Nos	
95	PLU095	Steel lockers with 8 drawers	Metal Rack (1800X1500X450 mm)	3	Nos	
96	PLU096	Metal Rack	1800x1500x450 mm	1	No	
97	PLU097	Desk	Laminated sheet top and with one drawer	1	No	
98	PLU098	Stool	Wooden stool of standard size	1	No	
99	PLU099	White board with casel	Size: 900*1200 mm. Aluminium frame (All edges are furnished with ABS plastic corned), Double sides moving-stand writing surface with magnetic, To write with dry markers, Pen tray on stand or board holding pens and erasers, lockable castor added for mobility, Board revolvable in 360 degree. Including marker pen(black) and eraser	2	No	
100	PLU100	Fire extinguisher	CO2, 2 kg Capacity	1	No	
101	PLU101	Fire bucket with sand	Standard make and good quality	1	No	
102	PLU102	Steel almirah	72" X 36" X 18" (20 Swg), steel almirah.	2	No	
103	PLU103	Hammering Drilling Machine	1/2 inch, 2 speed hammer drill, ISI certified	1	No	

104	PLU104	Electric PPR Pipe welding machine	20mm to 63mm, Temperature regulator to adjust the welding temp, heating switche	1	No	
105	PLU105	Electric pump	1 HP	1	No	
106	PLU106	D.E. pedestal grinder	D.E. pedestal grinder with two wheels 175 rough and smooth	1	No	
107	PLU107	Hydraulic pressure machines for testing leakage in GI pipe fittings etc.	Standard size and quality (Manual)	1	No	
108	PLU108	Sight rail & bonning rod	Standard size and quality make	1	No	
109	PLU109	Ratchet pipe die	Ratchet pipe die 15 mm to 32 mm	1	No	
110	PLU110	Bench drilling machine	with chuck & key up to 15 mm capacity	1	No	
111	PLU111	Double face hammers	Standard size and quality make	2	Nos	
112	PLU112	Dormat, Pickle, Spade, Girmale	Standard size and quality make	1	each	
113	PLU113	Pipe bender (Hydraulic type)	Standard size and quality make with ISI mark	1	No	
114	PLU114	Instructor Table	Half Secretariat table ,Steel structere , laminated top , 3 drawer with Automatic lock to the right side storage unit . :(H-20" x W-14" x D- 21") Size : 48" x 30" x 30" (20 SWG)	3	No	
115	PLU115	Instructor Chair	made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension, Armed Chair.	2	No	
116	PLU116	Solar water heater system	200 Ltr	1	No	
117	PLU117	Ring gauge 15 mm,20mm,25mm 32mm	15 mm,20mm,25mm 32mm	1	Each	
118	PLU118	Table (Big)	Steel table full secretariat, Laminated sheet top , three drawers and pull out tray with automatic locking device tothe right side and a cup board with one drawer to the left. Size: 72"x42"x30"(20 swg): Unit size: H-22"xW-16"xD-30"	1	No	
119	PLU119	Chair	Steel tubular resting chair with cushioned seat and back, With arm,standard size(18 swg MSPipe),ISO certified	2	Nos	
120	PLU120	Armless Chair	Arm less chair made of tubular steel structure, size:- 48.5 cm (W) x 86 cm (H) x 45 cm (seat height), ISO certified , Standard Dimension	4	Nos	
121	PLU121	Book Shelf	a) Height – 1593mm, width 914mm, Depth – 310mm b) 4 Door c) Fitted with two handles and 6 lever precision lock with stainless key, common to all compartments in duplicate. d) Anticorrosion treatment of the entire body and painted to smooth drip less finish. e) Made of prime quality CRCA steel. f) Made by ISO Certified Company	3	No	
122	PLU122	Class room dual desk	Dual Desk - 36", Consist of 18 mm thick Pre laminated Desk Top and Seat and Back made of Perforated Metal to suit its design and under structure made in 1" Square CRCA Tube duly powder coated.	20	Nos	

Annexure II

BID FORM

e-Tender No. 01/WITI (INR)/2017-18 Dated

(Name & Address of the Purchaser)

Dear Sir,

Having examined the conditions of contract and specifications including addenda Nos..... the receipt of which is hereby duly acknowledged, we, undersigned, offer to supply and deliver tools, equipments and furniture etc. of _____ (name of the trade) in conformity with said conditions of contract and specifications for sum of Rs. _____(Total Bid amount in words and figures).

We undertake, if our Bid is accepted, to complete delivery of all the items specified in the contract within 60 (sixty) days reckoned from the 15th day from the date of issue of your purchase order. If our Bid is accepted, we will obtain performance guarantees of a scheduled Bank guaranteed by Reserve Bank of India for a sum not exceeding 10% of the contract value for the due performance of the Contract.

We agree to abide by this Bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Purchase Order of Contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.

Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

We understand that you are not bound to accept the lowest or any bid, you may receive.

Dated thisday of20

(Signature)

Signature of.....

in capacity of.....

Duly authorized to sign the bid for and on behalf of.....

Witness.....

Tele No.(s):-

Signature.....

FAX No.(s)

Address.....

E-Mail Address:-

Witness.....

Signature.....

Address.....

Annexure III

(This is for reference, read only purpose) The main price bid/ BOQ must be submitted online in the provided .xls format only.

PRICE SCHEDULE

e-Tender Inviting Authority: Principal, Women’s ITI Indranagar									
Name of Work: Supply of tools, equipment’s and furniture for..... trade									
NleT No: 02/WITI (INR)/2017-18									
Bidder Name :									
<u>PRICE SCHEDULE</u>									
(This BOQ template must not be modified /replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this e-tender. Bidders are allowed to enter the Bidder Name and Values only)									
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	Excise Duty Rs. P	GST Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8	9	10
1									
2									
...									
...									
Total in Figures									INR
Quoted Rate in Words									

PERFORMANCE SECURITY BOND FORM

(MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY)

To
Principal
(Ex-officio Member Secretary)
IMC of Women’s ITI Indranagar

WHEREAS.....(name and address of the supplier) (hereinafter called “the supplier”) has undertaken, in pursuance of contract no.....dated.....to supply (description of goods and services)(herein after called “the contract”)

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a Nationalized Public Sector Scheduled Commercial Bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE, we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract 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 or the sum specified therein.

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

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

This guarantee shall be valid until the day of.....20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

.....

Seal, name & address of the Bank and address of the Branch

Annexure V

Contract Form

1. This agreement is made this day.....between, herein after called “ name of supplier/bidder” the first party which expression shall include his heirs, executors and administrators/their successors and the Director, Department of Industries & Commerce herein after called “DIC”, the second party, through the Principal, Women’s ITI Indranagar herein after include his successors and assignees, shown as under:
2. That WHEREAS the first party shall and will deliver tools, equipment, furniture to **ITI Kanchanpur, North Tripura** under the Department of Industries & Commerce, Govt. of Tripura which are given in Annexure –I of the office Notice Inviting e-Tender (NIeT) No. 02/WITI (INR)/2017-18, dated including agenda nos.....at the rate quoted by(Name of the Bidder) vide their e-tender No. 02/WITI (INR)/2017-18 dated and as per all the terms and conditions given in Notice Inviting e-Tender (NIeT) and the aforesaid e-tender notice dated.....which shall become part and parcel of this agreement.
3. That the first party would raise demand and the payment shall be done in accordance with Clauses-8 of section-III of the aforesaid e-tender document.
4. The Performance Security Bond would be encashed by second party in case first party fails to deliver items and/or breaches terms & condition of the aforesaid e-tender document.
5. In accordance with the e-Tender document No.. this agreement is made for a period of 15 (fifteen) months from

IN WITNESS THEREOF THE ABOVE MENTIONED PARTIES HAVE PUT THEIR SIGNATURES ON THIS

.....DAY OF..... 2017

For and on behalf of Purchaser

Name:

Signature:

Seal

Date

Place.....

Witness for Purchaser

.....
.....

For and on behalf of Supplier

Name:

Signature:

Seal of the Firm/Supplier

Date

Place.....

Witness for Supplier

.....
.....

LETTER OF AUTHORISATION FOR ATTENDING BID OPENING

Subject: Authorization for attending bid opening on ----- (date) in the e-tender no. 02/WITI (INR)/2017-18 -----

Following persons are hereby authorised to attend the bid opening for the e-tender mentioned above on behalf of ----- (Bidder) in order of preference given below.

Order of Preference	Name	Specimen signature
I		
II		

Alternate Representative

Signatures of bidder or

Officer authorised to sign the bid documents on behalf of the bidder.

Note:

1. Maximum of two representatives will be permitted to attend bid opening. In case where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representative are not able to attend.
2. Permission for entry to the hall where bids are opened will be refused in case authorization as prescribed above is not furnished.

Annexure VII**CHECK LIST and the order in which the documents are to be submitted for the Technical bid.**

Please check whether all the below mentioned documents have been uploaded for participating in the e-tender no. 02/WITI (INR)/2017-18 of Department of Industries & Commerce The documents are to be submitted in descending order with item No. 1 on top of all. Please also mention page no. of the Technical bid where these documents are given.

1	Scanned copy of EMD of Rs. _____(in figure)(Rupees _____(in words) only [@ of Rs. 50000.00 for each trade for _____Nos. Trades] in the shape of Demand Draft or Deposit-at-Call receipt.
2	Letter of Authorization to attend bid opening [as per Annexure – VI]
3	Power of Attorney [As per clause 16.2 of Section-II]/Authorisation from competent authority for signing of the bid document must be submitted with the bid.
4	Clause by Clause compliance indicating substantive responsiveness to the terms and conditions by full signing and stamping on all the pages of the original bid document 02/WITI(INR)/2017-18 (containing 62 pages) by authorized person(s) [as per clause 13.1 of Section-II]
5	Copy of at least one supply order executed successfully directly by the bidder (not on behalf of or as agent of any other supplier) during last 2 (two) years to Government Organization/ Undertaking/Autonomous body/Government Society preferably in Tripura of monetary value not less than Rs. 50.00 lakhs. Execution of the supply order shall be supported by successful completion certificate as per Annexure-X from purchaser and bank statement.
6	Certificate as per Annexure-XI regarding turnover of the Company/Firm as per Clause No. 3(d) of Section-II.
7	Copy of Audited accounts/Income Tax Return for last 5 (five) Financial Years [as per clause 12 of Section-II]
8	Copy of PAN [as per clause 12. of Section-II]
9	Copy of VAT ,CST & GST clearance certificate, Trade Licence Registration Certificate [as per clause 12 of Section-II]
10	Performance certificates of other supplies as per Annexure-X executed directly by the bidder (at least last 5 years) for similar nature of supply in Government Organizations/Undertakings/ Government Societies supported by copies of supply orders and bank statements.
11	e-Tender Cost in the form of Demand Draft Rs. 5000.00 (Rupees Five Thousand only) for each trade.
12	e-Tender Acceptance Letter [as per Annexure-IX]
13	Technical Specification and Details of Requirements (Annexure-I)
14	Performance Certificate Format. (Annexure-X)
15	Bidders Service Centre in Tripura with authenticated documents like Trade license/Firm Registration
16	Bank Solvency Certificate as per Annexure-XI
17	Notarized affidavit on black listing (Annexure XIII)

Bidders to ensure:

- A. That all pages have been stamped and signed by the authorised Person(s).
- B. That all the pages have been numbered.
- C. That all the documents are legible (Clearly readable).

Annexure VIII**CHECK LIST and the order in which the documents are to be submitted for the financial bid**

Sl. No.	Documents (Please refer to clause 9.2 of Section II for filling this Checklist)
1.	Bid Form as per Annexure II
2.	Price schedule (price bid/ BOQ) [as given in https://tripuratenders.gov.in]

E-TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:.....

To,

Sub: Acceptance of Terms & Conditions of e-Tender.

e-Tender Reference No: 02/WITI (INR)/2017-18

Name of e-Tender / Work: -

Dear Sir,

1. I/ We have downloaded / obtained the e-tender document(s) for the above mentioned ‘e-Tender/Work’ from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the e-tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisations too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the e-tender conditions of above mentioned e-tender document(s) / corrigendum(s) in its totality / entirety.

5. I/We hereby unconditionally undertake that if , any information or certificate(s) produced by me/us are found false or tampered or any provisions of this e-tender are found violated the purchaser shall without prejudice to any other right or remedy be at liberty to reject this e-tender/bid including the forfeiture of the full Earnest Money Deposit (EMD) and invocation of the bank guarantee absolutely at any stage.

Yours Faithfully

(Signature of the Bidder, with Official Seal)

PERFORMANCE CERTIFICATE FORMAT

(On Office Letter Head with complete address, email, contact telephone number & fax number)

Ref. No.....

Date:.....

TO WHOM IT MAY CONCERN

This is to certify that, M/s (Bidders name with complete address) has executed the supply order issued by (Supply Order Issuing Authority) vide no..... dated..... (Supply Order No. and date) for (Name of the Supply Order) amounting Rs. (in figures) (Rupees.....in words) successfully within the stipulated time frame.

This is also certified that payment(s) to M/s (Bidders name with complete address) has been made after successful execution of the aforesaid supply amounting Rs.....,.....,..... vide,, (mode of payment with date) respectively.

(Any other Remarks by the Supply Order Issuing Authority.)

Signature of the Purchaser

Name:

Seal:

BANK SOLVENCY CERTIFICATE

(On Bank's Letter Head)

Ref. No.....

Date:.....

This is to certify that to the best of our knowledge and information M/s./Shrihaving marginally noted address, a customer of our Bank are/is respectable and can be treated as good for any engagement up to a limit of Rs.....(Rupees.....only) This certificate is issued without any guarantee or responsibility on the part of the Bank or any of the officers.

Seal of the Bank :

Date :

Place :

Signature of Branch Manager

Note: In case of partnership firm, certificate to include names of all partners as recorded with the Bank.

Annexure – XII**TURNOVER CERTIFICATE**

In reference to NIEIT No. **02/WITI (INR)/2017-18** dated _____ of Principal, WITI, Indranagar, Agartala, I/We hereby confirm and certify that during the financial years FY-2014-15 (i.e. for the year ended 31st March, 2015) , FY- 2015-16 (i.e. for the year ended 31st March,2016) and FY- 2016-17 (i.e. for the year ended 31st March,2017) , the Turnover/Gross Receipt of my/our firm/company M/s _____, Office Address: _____ of M/s _____ (Full Name and address of the Company/Firm) as per Income Tax Return are as follows-

1. Turnover/Gross receipts for the FY: 2014-15 Rs. _____ (Rupees _____) only.
2. Turnover/Gross receipts for the FY: 2015-16 Rs. _____ (Rupees _____) only.
3. Turnover/Gross receipts for the FY: 2016-17 Rs. _____ (Rupees _____) only.

I/We also confirm that turnover/Gross Receipt of the firm/company M/S _____, Address; _____ during FY: 2014-15, 2015-16 and 2016-17 is not less than 80% of the total quoted amount in the Financial bid for the trade/trades in reference to NIEIT No. **02/WITI (INR)/2017-18** dated _____

I/We hereby unconditionally undertake that if, the information furnished above by me/us are found false or tampered the purchaser shall without prejudice to any other right or remedy be at liberty to reject this e-tender/bid including the forfeiture of the full Earnest Money Deposit (EMD).

Place: _____

Date: _____

Yours Faithfully

(Signature of the Bidder, with Official Seal)

Annexure – XIII

To be written on Rs.100 Non-Judicial Stamp Paper

NOTARIZED AFFIDAVIT

I hereby conform and declare that my/our firm/company M/s _____ and that my/our firm/ company/ sister concern/ associate company not have been blacklisted or debarred for any default by any Central/State Govt. Departments/ PSUs during last 05 years i.e on or after September,2012, irrespective of tenure of such blacklisting/ debarment.