

Tripura State Computerisation Agency (TSCA)

(A society of Directorate of Information Technology, Government of Tripura)
ITI Road, Indranagar
Agartala, Tripura - 799 006

TENDER NO.18(1)/TSCA/Connectivity (R.Bhavan)/2017 dated 07/03/2018

**Tender for Supply, Installation, Testing and Commissioning of ICT Equipment
and Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala.**

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Important Information to Bidders

S No.	Information	Details
1.	Tender No.	18(1)/TSCA/Connectivity(R.Bhavan)/2017
2.	Tender Publication Detail	The tender form can be seen and downloaded from the website http://tripuratenders.gov.in and also from Directorate of IT website at http://dit.tripura.gov.in and http://tripura.gov.in . The stated Tender is in e-Tender mode with built-in e-Bid and their online evaluation and can only be accessed through http://tripuratenders.gov.in .
3.	Date Of Commencement Of Bid	07/03/2018
4.	Last Date And Time For Receipt Of eBids	28/03/2018 at 5:00PM
5.	Last Date And Time For Receipt Of Hard copy of bid document	29/03/2018 at 5:00PM
6.	Date & Time Of Opening Of Prequalification Bids and Technical Bids	31/03/2018 at 11:00AM
7.	Bid Validity Period	180 days from the date of floating the tender.
8.	Tender Fee	Rs 5000/- in the form of DD in favor of Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura), payable at Agartala.
9.	EMD Amount	Rs 50,000 /- in the form of DD in favor of Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura) payable at Agartala.
10.	Performance Bid Security (PBG) Amount	10% of the project cost as a security deposit for period of three and half (3.5) years in the form of Demand Draft/Performance Bank Guarantee.
11.	Address For Communication / Pre-Bid / Submission/ Opening of Technical & Commercial Bid	Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura), ITI Road, Indranagar, Agartala-799006
12.	Contact person	Shri. Bidyut Datta, Joint Director
13.	Contact email	bidyut.datta@nic.in
14.	Contact Phone no	0381-2356500

SECTION – I

1. Definitions

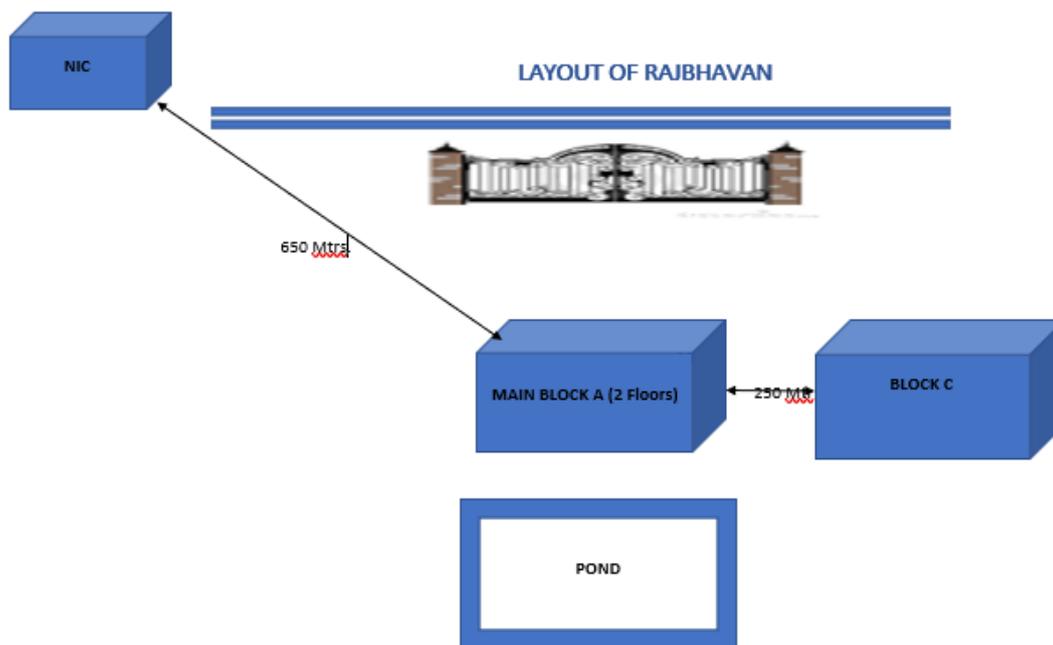
In this document, the following terms shall have following respective meanings: -

- 1.1 **“Authorized Representative”** shall mean any person authorized by either of the parties.
- 1.2 **“Bidder”** means any firm or group of firms or companies offering the service(s) and/ or materials asked for in the Tender. The word bidder, when used in the pre-award period shall be synonymous with bidder, and when used after intimation of successful bidder shall mean the successful bidder, also called ‘Vendor or bidder’, with whom the Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura) signs the Contract.
- 1.3 **“Contract Agreement”** means the agreement to be signed by the successful bidder and the Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura).
- 1.4 **“Work Order/Purchase Order”** means the letter to be issued by the Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura) to the successful bidder with the intention to execute the work as per the specified terms and conditions.
- 1.5 **“Corrupt Practice”** means the offering, giving, receiving or soliciting of anything of value or influence the action of an official in the process of contract execution.
- 1.6 **“Fraudulent Practice”** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract and includes collusive practice among bidders (prior to or after Bid submission) designed to establish Bid prices at artificial non- competitive levels and to deprive the Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura) of the benefits of free and open competition.
- 1.7 **“Default Notice”** shall mean the written notice of Default of the Agreement issued by one party to the other in terms hereof.
- 1.8 **“Good Industry Practice”** means the exercise of that degree of skill, diligence and prudence which would reasonably and ordinarily be expected from a reasonably skilled and experienced Bidder engaged in the same type of undertaking under the same or similar circumstances.
- 1.9 **“Partial Acceptance Test (PAT)”** means the provisional acceptance testing of all equipment (hardware & software) and their services covered under the Scope of work.
- 1.10 **“Final Acceptance Test (FAT)”** means after successful installation of the equipment/material in accordance with the requirements as mentioned in this tender, FAT will be conducted. After successful testing, Acceptance Test Certificate will be issued by the Member Secretary, Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura).
- 1.11 **“Rates/Prices”** means prices of services and/or equipment quoted by the Bidder in the Commercial Bid submitted by him and/or mentioned in the Contract.
- 1.12 **“Rs.” or “Rupees”** means the lawful currency of the Republic of India.
- 1.13 **“Services”** means the work to be performed by the bidder pursuant to this Contract, as detailed in the Scope of Work.
- 1.14 **“SLA”** means Service Level Agreement is a negotiated agreement between two parties wherein one is the customer and the other is the service provider. It is a service contract where the level of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.

- 1.15 “Site” shall mean the location(s) for which the Contract has been issued and where the service shall be provided as per Agreement.
- 1.16 “Tenderer” shall mean the authority issuing this Tender and this authority shall be the Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura).
- 1.17 “ IA” shall be mean the Implementation Agency or Vendor to which the work will be awarded.
- 1.18 “ TSCA” shall be mean Tripura State Computerisation Agency (A Society under Directorate of Information Technology, Govt. of Tripura).

2. Scope of Work

- 2.1. Supply, Installation, Testing and Commissioning of ICT equipment and Internet connectivity at new Raj Bhavan, Capital Complex, Agartala, Tripura.
- 2.2. There is already an Internet connection at NIC office, Secretariat building, Govt. Of Tripura. This is the nearest POP available from new Raj Bhavan.
- 2.3. A high level diagram of the site is given below.



- 2.4. The vendor is requested to visit the site for any survey that is needed to get the accurate distance and data. Prior permission need to be taken from the concerned authorities before visiting the site.
- 2.5. The supply, installation, testing and commissioning of the ICT equipment should be done for the entire building and on all the blocks and office as shown in the diagram.
- 2.6. All items specified below should have onsite warranty of 3 years.
- 2.7. The cable laying and installation of I/O Box for internal LAN should be done nicely with proper fitting and fixing with proper sizing of casing so that it does not look ugly to any person eyes.
- 2.8. **Supply and Installation of the following items:**

Item at NIC		
SL NO	Item Name	Quantity (Unit/Mtr/Core)
1	OFC to Ethernet Converter	1
2	SC-SM patchcord	2
3	UTP Patch cord (1 Mtr.)	1
4	Splicing	2
5	OTDR Testing	2
6	Joint BoX	1

Item at Block A (Ground Floor)		
SL NO	Item Name	Quantity (Unit/Mtr/Core)
1	OFC to Ethernet Converter	1
2	SC-SM patchcord for NIC to new Raj bhavan link	2
3	UTP Patch cord (1 Mtr.)	1
4	Splicing for NIC to new Raj bhavan link	2
5	Joint box	1
6	6 core OFC NIC to new Raj bhavan link	650
7	Laying of OFC cable	650
8	48 port Layer 2 switch with 4 SFP ports	1
9	SFP Module (1 for link to block C and 1 for BlockA Ground floor to Bloc kA First Floor)	4
10	Wall mount Rack 9U	1
11	LIU 12 port	1
12	SC-SM Pigtailes 1.5 MTr	8
13	Splicing for inside campus extension	8
14	SC- LC SM patch cord for inside capmus extension	8
15	UTP Cable	2500
16	UTP Laying with Casing/Conduit/ fixing etc.	2500
17	I/O box	25
18	Installation of I/O with Faceplate Fixing	25
19	UTP Patch cord for inside LAN (1 Mtr)	25
20	UTP Patch cord for inside LAN (2 Mtr.)	25
21	UTP Jack Panel	2
22	600 VA UPS	1
23	Installation of Jack panel	2
24	OTDR Testing for inside campus extension	8
25	Installation of LIU	1
26	Installation of Rack	1
27	Wireless Access point	1

Item at new Raj bhavan Block A First Floor		
SL NO	Item Name	Quantity (Unit/Mtr/Core)
1	24 port Layer 2 switch with 2 SFP ports	1
2	SFP module for Block A Ground Floor to Block A First Floor	2
3	SC-LC SM patch cord for Block A Ground Floor to Block A First Floor	4
4	LIU 12 port	1
5	Splicing for Block A Ground Floor to Block A First Floor	4
6	Wall mount Rack 9U	1
7	Pigtail SC-SM (1.5 Mtr.) for Block A Ground Floor to Block A First Floor	4
8	6 core OFC for Block A Ground Floor to Block A First Floor	150
9	OFC laying for BlockA Ground Floor to BlockA First Floor	150
10	UTP Cable	2000
11	UTP Laying with Casing/Conduit/ fixing etc.	2000
12	I/O	20
13	UTP Patch cord (1 Mtr.)	20
14	UTP Patch cord (2 Mtr.)	20
15	UTP Jack Panel	1
16	600 VA UPS	1
17	Installation of JACK Panel	1
18	Installation of I/O with Faceplate Fixing	20
19	Installation of Rack	1
20	Installation of LIU	1
21	Wireless Access point	7

Item at new Raj Bhavan Block C		
SL NO	Item Name	Quantity (Unit/Mtr/Core)
1	24 Post Layer 2 switch with 2 SFP ports	1
2	SFP module for Main block to Block C	2
3	SC-LC SM patch cord for Block A to Block C	4
4	LIU 12 port	1
5	Splicing for Block A to Block C	4
6	Wall mount Rack 9U	1
7	Pigtail for Block A to Block C	4
8	6 core OFC for Block C to Block A	250
9	OFC laying for Block C to Block A	250
10	UTP Cable	1800
11	UTP Laying with Casing/Conduit/ fixing etc.	1800

12	I/O	18
13	UTP Patch cord (1 Mtr.)	18
14	UTP Patch cord (2 Mtr.)	18
15	Jack Panel	1
16	600 VA UPS	1
17	Installation of JACK Panel	1
18	Installation of I/O with Faceplate Fixing	18
19	Installation of Rack	1
20	Installation of LIU	1

However, this is an indicative requirement. The actual requirement may increase or decrease during the execution work. Necessary payments will be made based on actual supply and installation of the items.

3. Invitation for Bids

- 3.1. Bidders are advised to study all commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the tender document or submission of a bid not substantially responsive to the tender document in every respect will be at the bidder's risk and may result in the rejection of the bid.
- 3.2. Sealed offers prepared in accordance with the procedure enumerated in Section II should be submitted to The Member Secretary, Tripura State Computerisation Agency, ITI Road, Indranagar, Agartala, Tripura - 799006.
- 3.3. The tender should indicate specifically price and taxes should be as per financial bid. No additional information will be entertained after due date. However, any change in Government taxes will be paid/deducted by the TSCA as per rules. TSCA may reject tenders if they do not carry such information separately and specifically quantitatively.
- 3.4. Agency should have Local presence/representative in Tripura and should submit a proof for the same.
- 3.5. The bids should indicate that the rates are for the TSCA.
- 3.6. Eligible vendor/manufacturers have to submit their bid for all the items specified in this tender document.
- 3.7. The vendor should clearly indicate the delivery period and validity period of the tender.
- 3.8. The bidders are required to quote for each item separately. Prices must be quoted in Indian currency only (INR).
- 3.9. The tender should be submitted along with refundable EMD of Rs. 50,000/- (Rupees Fifty Thousand) in the form of Demand Draft valid for a period of 3 months in favour of "**Member Secretary, Tripura State Computerisation Agency** payable at Agartala from Nationalized Bank/ Schedule commercial Bank having branch at Agartala. The issue date of the DD shall be after the floating date of the tender. Tenders which are not accompanied by earnest money and tender fee or incomplete in any respect will be rejected out rightly.
- 3.10. Successful bidder has to submit **10% of the project cost as a security deposit for period of three and half (3.5) years in the form of Demand Draft/Performance**

Bank Guarantee (As per format given at Annexure-VIII) from Nationalized Bank/ Schedule commercial Bank having branch at Agartala. After providing the security deposit, EMD of the successful bidder will be returned. However, EMD of the unsuccessful bidder will be returned after issuing of work order to the successful bidder.

- 3.11. TSCA reserves the right to reject any or all tenders without assigning any reason whatsoever.
- 3.12. The tenders will be opened on the date and the time indicated in the presence of bidders. If the date of opening is declared to be a holiday, the tenders will be opened on the next working day.
- 3.13. No advance payment or payment against Performa invoice will be made. Payment will be made after receipt, inspection, installation and testing and final acceptance of the item(s).
- 3.14. Any damaged or unapproved goods shall be returned at the bidder's risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.
- 3.15. Printed conditions of the firm sent along with the quotation, if any, shall not be binding on us.
- 3.16. Packing list must be put in all packages.
- 3.17. On acceptance of tender, the date of delivery should be strictly adhered to otherwise, TSCA reserves the right not to accept the delivery in full or in part. In case the order is not executed within the stipulated period, TSCA will be at liberty to make purchase through other sources, and to forfeit the earnest money of the bidder.
- 3.18. Payment of bill will be made through the crossed account payee cheque drawn in favour of bidder or through eRTGS/NEFT on submission of invoice and acceptance from the authorised person of PWD Department after verification and certification by TSCA.
- 3.19. Supply, Installation, Testing and Commissioning of all the equipment will be within 45 days (maximum) after the allotment of work order from TSCA.
- 3.20. TSCA shall not be responsible for any postal delay about non-receipt/non-delivery of the documents.
- 3.21. The payment shall be made as per below:

Sl. No.	Milestone	% of Payment to be released
1	Delivery and Installation of equipment	(i) 50% CAPEX after delivery of equipment and 40% of CAPEX after installation FAT. (ii) Another 5% will be paid after 6 months of installation and FAT and remaining 5% will be paid after 12 months of installation and FAT. (iii) For any additional item (if not installed) then 80% payment for CAPEX will be made and

		remaining 20% for CAPEX will be made after (i) successful installation and FAT or (ii) completion of 1(one) year after delivery, whichever is earlier.
2	AMC Charge for 3(three) years (item no. 27,28 and 29 of Un- Priced Bill of Material at Annexure IV)	(i) For 1 st and 2 nd year @ 15% for each half yearly Cycle. (ii) For 3 rd Year , @ 20 % of for each half yearly Cycle.

3.22.SLA and Penalty

Service level plays an important role in defining the Quality of Services (QoS). The prime objective of service levels is to ensure high quality of services from selected bidder, in an efficient manner to the identified users under this procurement. The service level shall be tracked on a periodic basis and have penalty clauses on non-adherence to any of them.

i. Penalties for delay in implementation:

Failure to successful installation and PAT and FAT at the specified location - If the vendor fails to complete successful installation and PAT and FAT at the specified location within the time period(s) specified in this tender document, the TSCA, under Govt. of Tripura may without prejudice to its other remedies under the agreement, levy as penalties, for each week or part thereof of delay, until actual delivery of performance. Moreover if delay exceeds 8 weeks TSCA reserves the right to terminate the work order and also forfeit the Security deposit and may backlist the agency, if suitable justification is not given by the Agency.

Delay in weeks	Penalty
Up to 1	1% of Project Cost
Up to 2	2% of Project Cost
Up to 3	4% of Project Cost
Up to 4	6% of Project Cost
Up to 5	8% of Project Cost
More than 6	10% of Project Cost

ii. The vendor will be given 1 calendar days to restore the normal functionality of the items, if there are any functionality issues of the items mentioned at Section I – clause 2 (Scope of work). If the issue is not solved within 1 calendar days, then penalties will be imposed as per following Table. So, bidders are advised to pre-assess the requirement of equipment and maintain a good amount of inventory in their stock.

Sl. No.	Condition	Penalty
1	> 2 days and <= 4 days	5% of half yearly AMC Charges.

2	>4 days and <= 6 days	7% AMC Charges
3	> 6 days	10% of AMC Charges

- iii. In case of Force Majeure, the TSCA may consider waive off the penalty for that period of delay. However, the Vendor should submit justification along with necessary documentary evidence for claiming the waiver of penalty (if any).

SECTION – II

4. Procedure for submission of bids

The Bid shall be submitted in 4 (Four) parts, post registration in the <http://www.tripuratenders.gov.in>, as under:

PART-I:

Tender Fees and EMD: Bidder is expected to scan the relevant drafts into PDF format (in 150 dpi scan resolution).

Documents to be uploaded in My Space:

SL NO	Documents required to upload	Where documents shall be uploaded in “My Space” of Bidder	
		“My Space” Category	“My Space” Sub Category
	PAN Card	Tax related documents	PAN card
	GST Registration Certificate	Tax related documents	GST registration certificate
	Audited Balance sheets	Financial Details	Balance Sheets
	Certificate of incorporation, Undertaking for Opening of Office or Local Office address and any other relevant document if reqd.	Misc. document	Any other document

PART-II: Pre-Qualification Documents.

Digitally signed Tender Document is to be downloaded. *The Tender document shall be downloaded by the Bidder*, digitally signed and upload the same for submission of “Pre-Qualification “during actual bidding session, which will be regarded as equivalent to signing all pages of the Tender Document.

All documents to be submitted for Pre-qualification as per Point no.10 of Section-II below are free-format except “Format for Final Information” as per Annexure-II and “Bidder’s Proposed Supply and Installation Period” as per annexure-III in this Bid document.

For all the free-format documents, Bidder is expected to scan the relevant documents into PDF format (in 100 dpi scan resolution).

PART-III:

TECHNICAL BID: Complete technical details, data sheet, OEM Authorization certificate and detail technical specification for the item to be offered & any other relevant documents.

PART-IV: Financial Bid.

Financial Bid will be considered for evaluation for those Bidders who have cleared the Part-II & Part-III.

N.B.: One Hard copy of Prequalification documents and Technical Solution with all Technical details, data sheets with detail technical specification and one copy of Financial Bid in an

envelope super scribed as “**Commercial Bid-Do not open before 31/03//2018**” all sealed in separate envelopes enclosed in a larger envelope duly sealed and marked as Response to Request for Proposal (RFP) with title and reference number, and a statement “**To be opened by addressee only**” and the name and address of the Bidder to be submitted to Member Secretary, TSCA , Indranagar, Agartala-799006 **by 29/03//2018 5:00 PM.**

5. Tender Preparation Cost

The bidder shall bear all costs associated with the preparation and submission of its bid, including the cost of presentation for the purpose of clarification of the bid, if so desired by the client and client will in no case be responsible or liable for those costs, regardless of the conduct, or outcome of the Tendering Process. Tender document can also be downloaded from <https://tripuratenders.gov.in/nicgep/app> , and <http://dit.tripura.gov.in>.

6. Clarification of Tender Document

A prospective bidder requiring any clarification of the tender document may notify the client in the address and phone no. or email specified in “ Important instructions to Bidders”. The client will respond in writing to any request for clarification of the tender document, received not later than 07 working days prior to the last date for the receipt of the bids prescribed by the client. In case of any further clarification on any of the points in the tender, if required, a meeting can be held.

7. Amendment of Tender Document

- 7.1.** At any time prior to the last date for receipt of bids, the client may for any reason, whether at its own initiative or in response to a clarification request by the prospective bidder, modify the tender document by an amendment.
- 7.2.** The amendment/ Corrigendum if any will be notified in <https://tripuratenders.gov.in/> and will also be uploaded at www.dit.tripura.gov.in. and will be binding on the bidders. The bidders have to check the website regularly for any updates.
- 7.3.** In order to afford prospective bidder reasonable time in which to take the amendment into the account in preparing their bids, the TSCA may, at its discretion, extend the last date for the receipt of the Bids.

8. Language of Bids

The bids prepared by the bidder and all correspondence and documents relating to the bids exchanged by the bidder and the client, shall be written in English language, provided that any printed literature furnished by the bidder may be written in another so as long accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

9. Bid evaluation method

- 9.1.** The TSCA will first evaluate the technical bids of the bidders and the financial bids of only technically qualified bidders will be evaluated.
- 9.2.** The TSCA will examine the bids to determine whether they are complete, whether any errors have been made, whether required Tender Fee and EMD have been furnished, whether the documents have been properly signed,

and whether the bids are in order.

- 9.3. The TSCA may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such a waiver, does not prejudice or affect the relative ranking of any bidder.
- 9.4. Prior to the detail evaluation, The TSCA determine the substantial responsiveness of each bid to the bidding documents. For purposes of these, as substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations. The TSCA determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 9.5. If a bid is not substantially responsive, it will be rejected TSCA and may not subsequently be made responsive by the bidder by correction of the non-conformity.
- 9.6. TSCA reserves the right to accept any bid and to cancel/abort the bid process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder.
- 9.7. Arithmetical error will be rectified on the basis. If there is a discrepancy between words and figures, the amount in words will prevail.
- 9.8. Technical Evaluation: TSCA will examine the eligibility of the bidders as per the bid specification. Bids of the bidders, not satisfying the eligibility criteria and any technical deviation in the items quoted and not quoted shall be rejected. TSCA may ask for additional information from the bidders. On request from the TSCA the bidder may have to produce additional information. The time limit in which the bidders have to submit additional information, shall be decided by the TSCA and its decision shall be final in this regard.
- 9.9. Technical Evaluation Criteria (Refer to Annexure V): The bidder scoring a total point of 70 or more will be considered a technically qualified bidder which will then be considered for financial evaluation. The bids will be rejected if the technical score is below 70 points.
- 9.10. Financial Evaluation: Financial bids of only technically qualified bidders shall be evaluated. The bids, found lacking in strict compliance to the commercial bid format shall be rejected straightaway. On opening the financial bids, the Evaluation Committee shall read out the financial bids to all the technically qualified bidders and note the same. All the financial bids shall then be ranked according to the financial bid in increasing order with the bidder quoting the least amount ranked L1, bidder quoting next higher figure as L2 and so on. In case there is any tie in financial bids of one or more bidders, the bidder having the higher technical score will be given better ranking. In case the technical scores are also equal, all the technically qualified bidders shall be asked to resubmit the financial bid. However, in this case, the revised financial bids should be less than the lowest financial bid quoted earlier by the technically qualified bidders. L1 will be declared as successful bidder and his offer will be processed further.

10. Eligibility Criteria

- 10.1. The Agency should be financially sound having minimum average annual turnover of Rs. 90(ninety) Lakh during last three financial years (FY 14-15 ,FY 15-16 and FY 16-17)
- 10.2. Agency should have local presence/representative in Tripura. Agency should submit a proof for the same.
- 10.3. The Agency should be in similar supply, installation and networking business for atleast 5 years from the date of floating of this tender.

- 10.4. The Agency should have executed a minimum of One (1) similar project having minimum project value of Rs 15 Lakhs during last 5 years from the date of floating the tender. The bidder should submit copy of the work order and completion certificate stating the value and duration of the project.
- 10.5. Attach all documentary without which the bid shall be rejected.
- 10.6. The Agency should be registered and should possess necessary license from statutory bodies/organizations i.e. List of reputed customers dealt with them, PAN /TAN and Copy of the Registration firm.
- 10.7. The bidder should not be debarred or black listed by any State / Central Govt. /PSU. A self-certificate must be furnished by the bidder to support the same.
- 10.8. The Agency should possess necessary GST registration from the competent authority.
- 10.9. The Agency should provide IT return document and audited balance sheet (if available) for last 3 financial years. (FY 14-15,FY 15-16 and FY 16-17).

SECTION – III

ANNEXURE I – TECHNICAL SPECIFICATIONS OF ITEMS

1. Technical Specification of : OFC to Ethernet Converter.

S No.	Description	Compliance	Remarks
1.	Application Standard : IEEE802.3ab, 1000BASE-T and IEEE802.3z 1000BASE-X Gigabit		
2.	Data Rates : 1000 Mbps on fiber and twisted pair interfaces		
3.	Duplex Mode : Full or half-duplex auto negotiation		
4.	Max. Forwarding Rate : 1,488,000 packets per second (pps) @ 1000 Mbps		
5.	Copper Interface : Shielded RJ-45 port with Auto MDI/MDI-X sensing		
6.	Fiber Transceiver Types :Single mode - SC – 1000BASE-LX		
7.	Fiber Types : Single mode – Single mode		
8.	Fiber working range :Single mode - 5 km		
9.	Optical Fiber Loss Budget : Single mode - 6dB		
10.	Optical Wavelength : Single mode - 1310nm		
11.	Forwarding method :Repeater / converter		
12.	Switch settings : None		
13.	LED Diagnostic Indicators for : Power, UTP link activity, UTP full or half duplex, Speed (1000 Mbps), Fiber link activity		
14.	Emissions : Complies with FCC Class A and CE Class A		
15.	Safety : UL, CE Mark		
16.	Temperature Range :0°C – 45°C with humidity 10% to 90% non-condensing		
17.	Mounting Methods : Standalone or rack mountable in 19” chassis		
18.	Power : Required power from external AC/DC power adapter		
19.	Warranty : 3 Years		

2. Technical Specification of SC –LC/ SC-SC, Single mode Duplex Fiber Patch Cords

S No.	Description	Compliance	Remarks
1.	Patch cord should be of minimum 3 meters length suitable for nominal wavelength of 1310nm and 1550nm.		
2.	9/125 micron SM fiber		
3.	Connector Ferrule: Ceramic		
4.	Dust caps shall be fitted on each connector at the assembly.		
5.	Thickness of patch cord cable should be 3 mm nominal.		
6.	Insertion loss should be nominal 0.1 dB per connector		
7.	Return loss should be better than 45 dB.		
8.	Should be compatible with supplied Switch and SFP Module.		
9.	Warranty : 3 Years		

3. Technical Specification of UTP Patch cord (1 Mtr.) – CAT6

S No.	Description	Compliance	Remarks
1.	Type: Unshielded Twisted Pair, Category 6, TIA / EIA 568-B.2-1 or EIA/TIA 568 C.2		
2.	Comply with Cat 6 standards of ISO/IEC 11801, EIA/TIA 568, EN50173		
3.	Nominal Cable Diameter should less than 6.0 mm with star separator		
4.	Conductor : 24 AWG 7/32 Round stranded copper wire		
5.	Insulation: High Density Polyethylene insulation		
6.	Boot: Elastomeric polyolefin flexible moulded boot for better bend radius & strain relief		
7.	Length - 3 feet/1m		
8.	Patch cord Durability should be =>1000 Mating Cycles.		
9.	Back-ward-compatibility with all current Cat5 products and applications.		
10.	UL Listed & ETL Verified		
11.	Warranty : 3 Years		

4. Technical Specification of UTP Patch cord (2 Mtr.) – CAT6

S No.	Description	Compliance	Remarks
1.	Type: Unshielded Twisted Pair, Category 6, TIA / EIA 568-B.2-1 or EIA/TIA 568 C.2		
2.	Comply with Cat 6 standards of ISO/IEC 11801, EIA/TIA 568, EN50173		
3.	Nominal Cable Diameter should less than 6.0 mm with star separator		
4.	Conductor : 24 AWG 7/32 Round stranded copper wire		
5.	Insulation: High Density Polyethylene insulation		
6.	Boot: Elastomeric polyolefin flexible moulded boot for better bend radius & strain relief		
7.	Length - 7 feet/2m		
8.	Patch cord Durability should be =>1000 Mating Cycles.		
9.	Back-ward-compatibility with all current Cat5 products and applications.		
10.	UL Listed / ETL Verified		
11.	Warranty : 3 Years		

5. Technical Specification of 6 Core OFC

S No.	Description	Compliance	Remarks
1.	6 Core MM 50/125um double sheath, CSTA, Unitube, Outdoor cable (per m).		
2.	Warranty : 3 Years		

6. Technical Specification of 48 Port L2 Switch with 4 SFP Port

Technical Specifications	Compliance (Yes/No)	Remark
Switch Performance & Throughput		
Switching capacity : 96 Gbps		
Forwarding capacity: 70 mpps		
48 nos.10/100/1000 Mbps port with 4 Gigabit SFP Port.		
Support for minimum 8K MAC entries		
Layer 2 Features:		
IEEE 802.1Q VLAN encapsulation		
802.1d (Spanning tree), 802.1w (RSTP), 802.1s(MSTP)		
Should support minimum 256 active VLANs.		
Security		

Technical Specifications	Compliance (Yes/No)	Remark
IEEE 802.1x,		
Telnet, Secure Shell (SSH) Protocol, and Simple Network Management Protocol Version 3 (SNMPv3).		
Warranty : 3 years		

7. Technical Specification of 24 Port L2 Switch with 2 SFP Port

Technical Specifications	Compliance (Yes/No)	Remark
Switch Performance & Throughput		
The Switch should support a minimum of 50 Gbps Switching Capacity.		
• The switch should have forwarding rate of min 40 mpps		
• 24 nos. 10/100/1000 Mbps port with 2 Gigabit SFP Port.		
• Support for minimum 8K MAC entries		
Layer 2 Features:		
IEEE 802.1Q VLAN encapsulation		
• 802.1d (Spanning tree), 802.1w (RSTP), 802.1s(MSTP)		
• Should support minimum 256 VLANs simultaneously		
Security		
• IEEE 802.1x		
• Telnet, Secure Shell (SSH) Protocol, and Simple Network Management Protocol Version 3 (SNMPv3).		
Warranty : 3 years		

8. Technical Specification of Wireless Access Point

Technical Specifications	Compliance (Yes/No)	Remark
Physical Interfaces	One (1) 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with Auto MDI-X with IEEE 802.3af Power over Ethernet (PoE) support, Internal 5 dBi antenna, Two (2) external reverse SMA antenna connectors, Four (4) LED: Power/Test, Link Speed, Lan,Wlan, Power adapter: 12 VDC, 1A	
Standards	IEEE 802.11n standard, 2.4GHz , IEEE 802.11g, IEEE 802.11b, 2.4GHz, WMM - Wireless Multi Media Prioritization WDS- Wireless Distribution System, Power over Ethernet (PoE) IEEE 802.3af	
Security	Wi-Fi Protected Access (WPA, WPA2), Wired Equivalent Privacy (WEP) 64-bit, 128-bit, and 152-bit encryption, IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP	

	Wireless access control to identify authorized wireless network devices, MAC address authentication, VPN pass-through support, Secure SSH Telnet		
Network Management	Remote configuration and management through Web browser, SNMP or Telnet with command line interface (CLI), SNMP management supports SNMP MIB I, MIB II, 802.11 MIB and proprietary configuration MIB		
Advanced Wireless Features	Wireless Distribution System (WDS), Bridge mode: Point-to-point wireless WDS mode, Bridge mode: Point-to-multipoint wireless WDS mode, Repeater mode, Adjustable Transmit Power Control (TPC) from 100 mW down to 0 mW		
Other Specifications	PoE power consumption: 5.8W maximum, Rogue AP detection, Block SSID Broadcast, MBSSID/VLAN Support: 8/9, Ceiling mounting/ Wall mounting, Throughput per Radio: 300 Mbps, Max number of Concurrent Clients: 64, Deployment Options: Standalone & Controller		
Warranty	3 Years		

9. Technical Specification of SFP Module

S No.	Description	Compliance	Remarks
1.	SFP module should be compatible with supplied switch and OFC patch cord.		
2	Warranty: 3 Years		

10. Technical Specification of : Rack 9U

S No.	Description	Compliance	Remarks
1.	19" rack, floor standing 800 mm depth 9 U height, front and back door (lockable). Front glass/vented door should confirm DIN 41494 & IEC 297 standard. Load bearing capacity of 500 Kgs. Quick release locking slides, front and rear door, having following accessories 19 AC power distribution channel with 15 & 5 Amp power. Universal/Indian standard sockets & spike suppressor with 10 nos. socket with ON/OFF switch. Support angles 2 pairs, 475 mm depth equipment shelves 475 mm depth castors wheel with brakes fan tray with four fans earthing kit.		
2.	Warranty : 3 Years		

11. Technical Specification of : SC-SM Pigtails 1.5 Mtr.

S No.	Description	Compliance	Remarks
1.	Connector Type:- SC-Style, Simplex		
2.	9/125 micron SM fiber		
3.	1.5 meters length suitable for nominal wavelength of 1310nm and 1550nm.		
4.	Compatible with SC snap type adapter plates.		
5.	Consist of pigtail assembly suitable for splicing.		
6.	Thickness of pigtail cable should be 0.9 mm nominal.		
7.	Compatible with fusion or mechanical splices.		
8.	Ferrules:- Pre-radiused Ceramic Ferrules		
9.	Insertion loss should be nominal 0.1 dB per connector		
10.	Should be compatible with supplied Switch and SFP Module.		
11.	Warranty : 3 Years		

12. Technical Specification of : CAT6 UTP Cable

S No.	Description	Compliance	Remarks
1.	Type : Unshielded Twisted Pair, Category 6, ANSI/TIA/EIA 568-B.2.1		
2.	Conductors : 24 AWG solid bare copper		
3.	Insulation : Polyethylene/Polyolefin		
4.	Jacket : Flame Retardant PVC		
5.	Approvals : UL Listed and ETL verified to ANSI/TIA/EIA 568-B.2.1 Cat 6		
6.	Operating Temperature : -20 Deg. C up to +60 Deg. C		
7.	Frequently tested up to : 250 MHz		
8.	Delay Skew : 25ns-45ns / 100m MAX.		
9.	Impedance : 100 Ohms +/- 6 ohms		
10.	Performance to be provided along with bid : Attenuation, Pair-to-pair and PS NEXT,ELFEXT and		

	characteristics to PSELFEXT, Return Loss, ACR and PS ACR		
11.	Warranty : 3 Years		

13. Technical Specification of : I/O Box

S No.	Description	Compliance	Remarks
1.	Type : 1-port, Shuttered, White, with surface box for surface mount applications, Category 6,TIA/EIA 568-b.2.1 Category		
2.	Material : ABS/Polycarbonate		
3.	No. of Ports : One		
4.	Protection : Shutters		
5.	Identification : To be supplied with label for port Identification		
6.	Warranty : 3 Years		

14. Power Socket & Power Switch

S No.	Description	Compliance	Remarks
1	Power Socket, Power switch and necessary power cables suitable for powering the Active and Passive items.		
2	Warranty : 3 Years		

15. 600 VA UPS

Configuration		Compliance (YES/NO)
Capacity	600 VA	
Output	<u>Nominal Output Voltage:</u> 230V	
Input	<u>Input Voltage Range:</u> 160-280 VAC <u>Frequency:</u> 50Hz +/-3Hz	
Battery	<u>Battery Type:</u> 12V / 7Ah Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leak proof <u>Typical Recharge Time:</u> 2 - 8 hrs. up-to 90% capacity	
Output Connections	3 Nos. India 3pin 5/6Amp socket (all with battery backup)	
Input Connection:	India 5/6 Amp power cord	
Manufacturer Credentials	Manufacturer should be ISO 9001 certified	
Warranty	3 Years including Batteries	

ANNEXURE II – FORMAT FOR FINALCIAL INFORMATION

Tender Name: Tender for Supply, Installation, Testing and Commissioning of ICT equipment and Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala.

Name of the Bidder	Turn Over (Rs. In Crores)			
	FY 14- 15	FY 15-16	FY 16-17	Average of 3(three) Financial Year

**ANNEXURE III – FORMAT FOR BIDDER’S PROPOSED SUPPLY AND
INSTALLATION PERIOD**

Tender Name: Tender for Supply, Installation, Testing and Commissioning of Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala

Name of the Bidder	Supply and Installation Period in days		
	>= 15 days and <=25 days	>25 days and <= 35 days	>35 days and <= 45 days

The vendor need to provide project implementation delivery plan to support the declaration above.

Note: Please ✓ (Tick) in appropriate box.

ANNEURE IV – Un-Priced Bills of Materials

Sl. No.	Item Description	Item Code	Make	Model
1	2	3	4	5
1.	6 core OFC	item1		
2.	24 Port Layer 2 switch with 2 SFP ports	item2		
3.	48 Port Layer 2 switch with 4 SFP ports	Item3		
4.	OFC to Ethernet Converter	Item4		
5.	I/O Box	Item5		
6.	SC-LC SM patch cord	Item6		
7.	SC-SM patch cord	Item7		
8.	SFP Module	Item8		
9.	LIU 12 port	Item9		
10.	UTP Jack Panel	Item10		
11.	Joint Box	item11		
12.	Pigtail SC-SM (1.5 Mtr.)	item12		
13.	Wall Mount Rack 9U	item13		
14.	UTP Cable	item14		
15.	UTP Laying with Casing/Conduit/fixing etc.	item15		
16.	UTP Patch cord (2 Mtr.)	item16		
17.	UTP Patch cord (1 Mtr.)	item17		
18.	Wireless Access point	item18		
19.	Splicing	item19		
20.	Laying of OFC cable	item20		
21.	OTDR Testing	item21		
22.	Installation of Rack	item22		
23.	Installation of I/O with Faceplate Fixing	item23		
24.	Installation of Jack panel	item24		
25.	Installation of LIU	item25		
26.	Power Socket, Power switch and necessary power cables suitable for powering the Active and Passive items.	item26		
27.	600 VA UPS	Item27		
28.	Annual Maintenance Contract (AMC) Charges for 3(three) years for Active Items (item no. 2, 3,4 & 18 above)	item28		
29.	Annual Maintenance Contract (AMC) Charges for 3(three) years for Passive Items (item no. 5,6,7,8,9,10,11,12,13,14,16,17,26 and 27 above)	item29		

30.	Annual Maintenance Contract (AMC) Charges for 3(three) years for OFC (item no. 1 above)	item30		
31.	Any other item proposed	item31		

ANNEXURE V – TECHNICAL BID EVALUATION SHEET

Sl. No.	Criteria	Maximum Points	Points Scored
1.	Organizational Capability		
a.	<p>Average Annual Turnover for last three FY. (FY 14-15, FY 15-16, FY 16-17) (Average Annual Turnover \geq 90 Lakh and \leq 1.5 Cr = 14 marks, Average Annual Turnover $>$ 1.5 Cr and \leq 2 Cr = 17 marks , Average Annual Turnover $>$ 2 Cr = 20 marks) at Annexure II</p>	20	
b.	<p>The Agency should have executed a minimum of One (1) similar project having minimum project value of Rs 15 Lakhs during last 5 years from the date of floating the tender. 1 project = 14 marks 2 projects = 17 marks 3 or more nos. of project = 20 marks</p>	20	
c.	<p>The Agency should be in similar supply, installation and networking business for atleast 5 years from the date of floating the tender. (Experience of \geq 5 years and \leq 7 years = 7 marks, $>$7 years and \geq 9 years = 8.5 marks, $>$9 years = 10 marks)</p>	10	
2.	Suitability of the technical proposal		
	<p>Percentage of Technical Specification satisfied (Best Specification will get highest marks. Technical Bid Evaluation Committee will decide suitability of the product and provide the marks)</p>		

a.	Technical specifications of Items at Annexure-I	30	
b.	Supply and Installation period >= 15 days and <= 25 days = 20 Marks > 25 days and <= 35 days = 17 Marks >35 days and <= 45 days = 14 Marks at Annexure III	20	
	TOTAL Marks	100	

NOTE: Please submit all documentary evidence in support of above evaluation criteria.

ANNEXURE VI – BID PROPOSAL SHEET

Bidder's Proposal Reference No & Date:

Bidder's Name & Address:

Person to be contacted:

Designation

Telephone No:

Fax No:

Email:

To <>

Subject:-Tender for Supply, Installation, Testing and Commissioning of Internet Connectivity at Raj Bhavan, Tripura.

Sir,

1. We, the undersigned bidders, having read and examined in detail general terms and conditions, the specifications and the entire Tender document in respect of the Tender for Supply, Installation, Testing and Commissioning of Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala as per specified in **SECTION III** in the bidding document.
2. All price mentioned in our proposal are in accordance with the terms as specified in the Tender documents. All the prices and other terms and conditions of this proposal are valid for a period of 180 calendar days from the last date of submission of bids.
3. We do hereby confirm that the bid prices are **inclusive of all taxes**, wherever applicable.
4. We declare that all the services shall be performed strictly in accordance with the fine-tuned technical specifications. No Technical deviation will be acceptable and any technical deviation is liable to rejection of tender.
5. We hereby declare that our proposal is made in good faith and the information contained in this proposal is true and correct to the best of our knowledge & belief.
6. We understand that you are not bound to accept the lowest or any bid you may receive.

Thanking you

Yours Faithfully

(Signature)

Date

Place

Business Address Seal

Name

Designation

ANNEXURE VII – FORMAT FOR QUERIES

IA's requiring specific points of clarification may communicate with the Member Secretary, TSCA, during the specific period using the following format.

RFP No. :

Name of Project: Supply, Installation, Testing and Commissioning of Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala.

Name of the IA –

Contact Address of the IA –

Sl. No.	Section No.	Page No.	Query

Signature:

Name of the Authorized signatory:

Company seal:

Note: All the queries should be sent in this format to bidyut.datta@nic.in . No other format is acceptable apart from this format. TSCA will respond to any queries for clarification of the tender document, received not later than 07 working days prior to the last date for the receipt of the bids . In case of any further clarification on any of the points in the tender, if required, a meeting can be held.

ANNEXURE VIII – FORMAT FOR PERFORMANCE BANK GUARANTEE

(To be stamped in accordance with Stamp Act)

Ref: Bank Guarantee No.

Date:

To
Member Secretary,
Tripura State Computerisation Agency
(A society of Directorate of Information Technology, Govt. of Tripura)
IT Bhavan, ITI Road,
Indranagar; Agartala

Dear Sir,

WHEREAS (Name of IA) hereinafter called "the IA" has undertaken, in pursuance of work order dated 2018 to Supply, Installation, Testing and Commissioning of ICT Equipment and Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala for the Tripura State Computerisation Agency(TSCA) a society of Directorate of Information Technology, Govt. of Tripura.

AND WHEREAS it has been stipulated in the said work order that the IA shall furnish a Bank Guarantee ("the Guarantee") from a Nationalized bank for the project/performance for Supply, Installation, Testing and Commissioning of ICT Equipment and Internet Connectivity at new Raj Bhavan, Capital Complex, Agartala as per the terms and conditions of the Tender.

WHEREAS we ("the Bank", which expression shall be deemed to include its successors and permitted assigns) have agreed to give TSCA the Guarantee:

THEREFORE the Bank hereby agrees and affirms as follows:

1. The Bank hereby irrevocably and unconditionally guarantees the payment of Rs. _____ (being 10% of the sum of order value) to TSCA under the terms of their Agreement dated on account of full or partial non-performance / non-implementation and/ or delayed and/ or defective performance / implementation. Provided, however, that the maximum liability of the Bank towards TSCA under this Guarantee shall not, under any circumstances, exceed in aggregate.
2. In pursuance of this Guarantee, the Bank shall, immediately upon the receipt of a written notice from TSCA stating full or partial non-implementation and/ or delayed and or defective implementation, which shall not be called in question, in that behalf and without delay/demur or set off, pay to TSCA any and all sums demanded by TSCA under the said demand notice, subject to the maximum limits specified in Clause 1 above. A notice from TSCA to the Bank shall be sent by Registered Post (Acknowledgement Due)/FAX/Email at the following address: Attention Mr.....

3. This Guarantee shall come into effect immediately upon execution and shall remain in force for a period of Three and Half Year from the date of issue of this Guarantee.

However, the Guarantee shall, not less than 30 days, prior to its expiry, be extended by the Bank for further period.
4. The liability of the Bank under the terms of this Guarantee shall not, in any manner whatsoever, be modified, discharged, or otherwise affected by:
 - a. any change or amendment to the terms and conditions of the work order or the execution of any further Work order.
 - b. any breach or non-compliance by the IA with any of the terms and conditions of any Agreements/credit arrangement, present or future, between IA and the Bank.
5. The BANK also agrees that TSCA at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against IA and not withstanding any security or other guarantee that TSCA may have in relation to the IA's liabilities.
6. The BANK shall not be released of its obligations under these presents by reason of any act of omission or commission on the part of TSCA or any other indulgence shown by TSCA or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the BANK.
7. This Guarantee shall be governed by the laws of India and only the courts of Agartala, Tripura shall have exclusive jurisdiction in the adjudication of any dispute which may arise hereunder.

Dated this..... the Day of2018

Witness

(Signature) (Signature) (Name) (Name)
Bank Rubber Stamp

(Official Address) Designation with Bank

Stamp Plus Attorney as per Power of Attorney No.

Dated:

SECTION – IV

GENERAL TERMS AND CONDITIONS

1. The Vendor is required to attach a proper and latest OEM Authorization certificate on their letter head indicating the Tender /Enquiry Ref. number and date. Authorization letter should also include commitment from the Original Manufacturer that they will stand by the Vendor to provide services during the entire warranty period. Without proper authorization letter, the offer will be REJECTED.
2. The vendor is required to install the items to the satisfaction of the buyer at respective locations.
3. The vendor is required to clearly mention the make/type/model of the item. The vendor is also required to attach original manufacturer's Datasheets/Leaflets/Catalogues; otherwise the quotation is liable to be rejected.
4. The Vendor should adhere with all seriousness to the time schedule provided by the TSCA.
5. There is no provision for making advance payment to the vendor as per the TSCA rules. However, the bills should be submitted by the vendor as per the schedule mentioned in clause 3.23 and will be considered for payment within reasonable period.
6. The vendor is required to supply all relevant user manuals/documentation, power cables, connectors and required accessories and software along with the equipment.
7. The rates are to be quoted as per BoQ. Prices should be firm and fixed.
8. Validity of Proposal for supply of the items should be at least for 180 Days.
9. The vendor should provide and attach the following details along with its quotations: Quantity of similar items sold in last one year, List of reputed customers dealt with them, latest copy of Income Tax Return Form, PAN /TAN Copy of the Registration firm.
10. Provision of necessary power sockets is the responsibility of vendor. However raw power will be made available to the vendor.
11. Warranty: The equipment offered should be given onsite warranty/ warranty for a period of 3 (Three) years from the date of acceptance of the items for any defect.