

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESEARCH**

(An Autonomous Institute under  
Department of Atomic Energy, Government of India)  
Nazirakhat, Sonapur-782 402, Kamrup (M), Assam, India  
Phone: 079-23962020/23962021, Fax: 079-23962277  
Email: [enquiry@cppipr.res.in](mailto:enquiry@cppipr.res.in)

**TENDER NOTICE DATED 05-12-2017**

Sealed tenders are invited in TWO PART from reputed and eligible parties for the following.

Sr. No	Tender Notice No	Item	Qty	Due date & time for		Tender Fee (Rs)	EMD (Rs)
				Submission of tender	Opening of tender		
01	CPP-IPR/TPT /PUR/TN/ 2017-18/42  DATED 05.12.2017  (TWO PART TENDER)	Upgradation of Local Area Network(LAN) infrastructure at CPP-IPR	01 Work	17-01-2018  By  1.00 p.m.	17-01-2018  By  2.30 p.m.	500.00	28,000.00

Tender documents are available on CPP-IPR Website: <http://www.cppipr.res.in>  
Tenderers meeting the eligibility criteria mentioned in the tender documents may, at their option, download the tender documents from the website and submit their offer along with prescribed **Tender Fee (non refundable) and EMD** in the form of Demand Draft from any nationalized/scheduled bank drawn in favour of **Institute for Plasma Research A/C CPP** and payable at **Sonapur-782 402** as per the details given in the tender documents. It is to be noted that all further updates or amendments if any regarding the tender dates, specifications and terms & conditions shall be notified and uploaded on the CPP-IPR website and no separate corrigendum would be published in this regard. Therefore, interested bidders need to visit the website of CPP-IPR on a regular basis for such updates. In case party desires to collect the tender documents by post, they may contact the Chairman, Purchase Committee along with prescribed tender fee. The last date for issue of tender documents is 10-01-2018. Representative who is going to attend the tender opening should carry an authorization letter from the organization for participation in the tender opening failing which he/she will not be allowed to attend the tender opening.

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**TWO PART TENDER**  
**INVITATION OF TENDER AND INSTRUCTIONS TO TENDERERS**

To

M/s \_\_\_\_\_

Sub: Purchase of Tender documents –  
Tender Notice No.CPP-IPR/TPT/PUR/TN/2017-18/42 dated 05-12-2017

Dear Sirs,

This booklet contains invitation to tender, tendering conditions, contracting conditions and specifications of stores required by us. The tenders in respect of this case are to be submitted in TWO PARTS, i.e. Part-I (Techno-Commercial) and Part-II (Price). If you are interested to quote, please go through the contents of this document particularly the tendering conditions and ensure that your quotation reaches us on or before the due date indicated above.

Yours faithfully,

Chairman  
Purchase Committee

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Instructions to Tenderers indicating the Tender Number, Last Date and Time for Receipt of Tender, place at which the Tender can be submitted and the Date/Time and Venue in which Tenders will be opened.

Tender No.CPP-IPR/TPT/PUR/TN/2017-18/42 dated 05-12-2017

I	Last Date for reaching both Part - I (Technical & Commercial) and Part - II (Price) of the Tender in Sealed envelopes to Centre of Plasma Physics-Institute for Plasma Research to reach on or before the last date & time.	13:00 Hours (IST) on 17th January, 2018
II	Due Date and Time for Opening of Part-I of the Tender i.e. Techno Commercial Part	14:30 Hours (IST) on 17th January, 2018
III	Venue for Opening the Tender	Centre of Plasma Physics-Institute for Plasma Research, Nazirakhat, Sonapur-782402, Kamrup(M), Assam

**CENTRE OF PLASMA PHYSICS  
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(An Autonomous Institute under Department of Atomic Energy, Govt. of India)  
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**INSTRUCTION SHEET**

TENDER No. CPP-IPR/TPT/PUR/TN/2017-18/42  
DATED 05/12/2017

(TWO PART)

**UPGRADATION OF LOCAL AREA NETWORK (LAN) INFRASTRUCTURE AT  
CPP-IPR.**

1. Full details and specifications of the items and general instructions to be followed regarding submission of tenders are indicated in the tender documents.
2. Proof for fulfillment of eligibility criteria mentioned above should be submitted along with the tender. If the tender is submitted without valid documents, Purchaser shall not consider your offer. Tenders received without proof of eligibility criteria will be rejected.
3. Tender documents can also be obtained by submitting a written request to the Centre Director, CPP-IPR together with prescribed tender fee, provided that the eligibility criteria is fulfilled. Last date for issue of Tender documents is 10<sup>th</sup> January 2018.
4. While requesting for Tender Documents, such request shall indicate the **“REQUEST FOR TENDER DOCUMENTS AGAINST TENDER NOTICE NO. CPP-IPR/TPT/PUR/TN/2017-18/42 Dated 05/12/2017**
5. The tender fee of Rs. 500/- (non refundable) should be made in the form of DEMAND DRAFT issued by SBI/nationalized banks or any one of the scheduled banks mentioned in the bracket (Axis Bank, HDFC Bank, ICICI Bank and IDBI Bank) drawn in favour of Institute for Plasma Research A/C CPP and payable at Sonapur-782402. Vendor's name and tender number shall be indicated on the reverse side of the Demand Draft.
6. DD should not be prior dated to the date of advertisement. Separate request letter and separate Demand Draft shall be sent for each tender.

7. Those who use the downloaded tender documents from CPP-IPR Website may submit the prescribed Tender Fee keeping in a separate envelope along with the tender. This envelope should be marked as “TENDER FEE”.
8. Tenders received without the prescribed tender fee will be rejected.
9. No request for the extension of due date will be considered.
10. Late/Delayed offers will not be accepted.
11. All communications related to this tender must be sent to,

Centre Director  
Centre of Plasma Physics  
Institute for Plasma Research  
Nazirakhat, Sonapur-782 402  
Kamrup(M), Assam, India

12. Tender in a sealed envelope (Technical Bid, Commercial terms and conditions and EMD [Part-I] in one envelope and Price Bid [Part-II] in another envelope) superscribing the envelope with the above tender no., date, due date and brief description of tendered item should be submitted to the Chairman, Purchase Committee at the above address by 1.00 p.m. on 17<sup>th</sup> January 2018. Part-I (Technical Bid along with Tender Fee of Rs.500/-, commercial terms and conditions and EMD for Rs.28,000/- received upto 1.00 p.m. on 17-01-2018 will be opened on the same day at 2.30 p.m. in the presence of attending tenderers.
13. CPP-IPR will not be responsible for any delay/loss of Tender or documents in transit.
14. Tenders received without the details asked for including proof of eligibility for participating in the tender may not be considered.
15. Tenderers should furnish/enclose full technical details/literature, delivery period and confirm the terms and conditions attached with the tender.
16. Those who do not meet with the eligibility criteria need not submit Tender.
17. The *Centre Director*, CPP-IPR reserves the right to accept or reject any offer in full or part thereof without assigning any reason thereof.

**Annexure-A****ELIGIBILITY CRITERIA**

(The bidder is required to submit all supporting documents as proof for the compliance of the following criteria. The attachments must be serially labelled with the number as given in the table below. Bids received without valid documents and/or incomplete and irrelevant documents are likely to be rejected summarily)

Sr. No.	Essential Eligibility compliance	Evidence for submission	Attachment Sr. No of proofs and evidence
1	Bidder must be OEM or channel partner of OEM for network equipment.	Copy of certificate confirming that the bidder is an OEM/ channel partner/ Authorized Dealer	
2	Bidders should have successfully executed at least one similar work of Setting up /upgradation of local area network (LAN) infrastructure in the last 3 years	1. Copy of un-priced purchase order/s with technical details. 2. Satisfactory feedback reports/completion certificate	
3	The average annual turnover for the last 3 years should be INR 35,00,000.00	Audited Annual Account of last three years.	
4	The vendor should have at least 5 years of experience in Setting up /upgradation of local area network (LAN) infrastructure. Vendor must have supplied and installed similar products to Govt., PSU, Autonomous Bodies or R & D Organization in India.	Purchase order copy and copy of customers list in support of supplying/ installing/commissioning above type of products.	
5	The vendor should not have incurred loss in more than 1 year in last 3 years	Audited Annual Account of last three years	

Note: Original documents shall be produced for verifications, if required. The response to tender without submission of proof of above points will summarily be rejected without further communication.

NOTE: Issue of tender documents does not mean that a vendor is qualified to submit tenders. CPP-IPR's decision to consider as to whether a vendor has met with the eligibility criteria is final.

# **TWO-PART TENDER SECTION – A**

## **Invitation to Tender and Tendering Conditions**

### **1.0 INVITATION TO TENDER**

Centre of Plasma Physics-Institute for Plasma Research (CPP-IPR) invites sealed tenders in DUPLICATE for **UPGRADATION OF LOCAL AREA NETWORK (LAN) INFRASTRUCTURE AT CPP-IPR** to the specifications detailed in Section "C" to this tender document. The conditions of contract/purchase order which will govern the contract pursuant to the tender are as contained in Section "B" of this tender document. If you are in a position to quote for supply in accordance with the technical specifications indicated in Section "C" to this tender document and as per the conditions stipulated in this Section and Section B, please submit your offer in a manner and method specified below.

### **2.0 MANNER AND METHOD FOR SUBMISSION OF TENDERS**

2.1 All tenderers in response to this invitation shall be submitted in Two Parts as under and in the different envelopes.

2.1.1 **Part-I (Techno-commercial):** This part of the tender shall include/contain documents related to eligibility criteria, all technical details, technical specifications, drawings and also the commercial terms and conditions of contract for the supplies to be made and the services to be rendered **EXCLUDING ANY PRICE DETAILS THEREOF.**

**Proof for fulfillment of eligibility criteria mentioned in Annexure-A should be submitted along with the tender. If the tender is submitted without valid documents, we shall not consider your offer. Tenders received without proof of eligibility criteria will be rejected.**

2.1.2 **Part-II (Price):** This part should contain only the prices of the stores offered for the services to be rendered. Part-II (Price) should be furnished in accordance with the format provided by the Purchaser at Section "D" of this tender document

2.1.3 If tenderer includes prices of any nature in Part-I (Techno-commercial) of the tender such offers are liable for rejection without any notice to the tenderers.

### **3.0 EARNEST MONEY DEPOSIT (EMD)**

3.1 The Tenderer shall submit, as part of its bid, interest free Earnest Money Deposit (EMD) for an amount as specified in the Tender Notice. In the case of foreign bidders, the EMD shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders; the EMD shall be submitted by the manufacturer or their specifically authorized dealer/bidder. EMD shall be submitted by way of Demand Draft from **SBI/nationalized banks or any one of the scheduled banks mentioned in the bracket (Axis Bank, HDFC Bank, ICICI Bank and IDBI Bank)** issued in favour of *"Institute for Plasma Research A/C CPP"* and payable at **Sonapur-782402. Tender received without EMD will be rejected at the discretion of CPP-IPR.**

3.2 The EMD of unsuccessful Tenderer will be discharged/returned after finalizing award of the Contract/placement of Purchase order.

- 3.3 The successful Tenderers EMD shall be discharged upon the Bidder submitting the Security Deposit as specified in the contract/purchase order, without any interest.
- 3.4 **Exemption from payment of EMD:** The firms registered with DGS&D, NSIC, DPS or Micro & Small Enterprises (MSEs) which are actual producers/manufacturers of tendered items are exempted from payment of EMD provided valid registration certificate is to be submitted along with the offer. In the case of foreign bidders, payment of EMD is exempted if they submit their bid directly or through their Indian agent in **foreign currency** against the tender document bought by them, so that the order can be placed directly on their Principals.
- 3.5 **The EMD may be forfeited:**
- 3.5.1 If a Tenderer withdraws or amends or modifies or impairs or derogates its bid during the period of bid validity specified by the Bidder on the Bid Form; or
- 3.5.2 In case of a successful tenderer, if the tenderer fails to furnish order acceptance within 15 days of the order or fails to submit the Security Deposit within 21 days from the date of contract/order.
- 4.0 LATE/DELAYED TENDERS**
- 4.1 If the envelope containing Part-I (Techno-commercial) and Part-II (Price) does not reach the Centre Director, CPP-IPR on or before the due date and time specified for its receipt, such tenders will be treated as Delayed/Late tenders and will neither be opened nor considered by the Purchaser and will be summarily rejected. The tenderers should therefore take care and ensure that both Part-I and Part-II of their tenders reach the Centre Director, CPP-IPR on or before the due date and time specified for their receipt to avoid the rejection of the tenders.
- 5.0 OPENING OF TENDERS**
- 5.1 Unless otherwise pre-opened or postponed with advance intimation to the tenderers, tender will be opened in two stages on the date and time indicated in the tender notice.
- 5.2 Part-I (Techno-commercial) of the tender will be opened at the first stage on the due date and time indicated for opening in the tender notice of this tender document while the Part-II (Price) will be opened at the second stage after completion of the evaluation of the Techno-Commercial Part (Part-I) of the tender.
- 5.3 While all the tenderers who submit tenders within the due date and time specified for its receipt will be permitted to participate in the opening of Part-I (Techno-Commercial) of the tender on the due date and time indicated in the instruction sheet of this tender document, opening of the Part-II (Price) of the tender can be attended to only by such of those tenderers whose Part-I (Techno-commercial) of the tenders are found to be technical suitable/acceptable to the Purchaser and to whom intimation thereof is given by the Purchaser by Email/letter.
- 5.4 The tenderers whose Techno-commercial part (Part-I) are found suitable/acceptable to the Purchaser, will be given seven days advance intimation by the Purchaser to enable such tenderers to depute their representative to participate in the opening of the Part-II (Price) of the tender. The technically unqualified tenderers will neither be given any intimation about the due date and time of opening of Part-II (Price) of the tender nor will they be permitted to participate in the opening of the same. **Part-II (Price) of the technically disqualified tenderers will not be opened.**



## **6.0 AUTHORITY LETTER**

- 6.1 The tenderers who wish to participate in the opening of the tenders may depute their representatives to IPR on the respective due date and time as indicated in the tender notice with an authority letter addressed to the Purchase Officer which should be produced to the officers who are opening the tenders, on demand to prove the bonafides of the representative who participates in the opening of the tender. In case the representative of the tenderer fails to produce such an authority letter on behalf of the tenderer, he will be debarred from participating in the opening of the tenders.
- 6.2 The tenderers representative, who reaches the venue of the tender opening late, i.e. after the starting time specified for opening of the tenders, may not be allowed to take part in the tender opening. It should be noted that only one representative of each tenderer will be permitted to participate in the tender opening.

## **7.0 TECHNICAL CLARIFICATIONS**

- 7.1 After opening of Part-I (Techno-commercial) of the tender, if it becomes necessary for CPP-IPR to seek clarifications from the tenderers, the same will be sought for from the tenderers.

## **8.0 DATE FOR OPENING OF PART-II (PRICE):**

After completion of technical evaluation, Part-II (Price) of only technically qualified tenderers shall be opened. The due date and time of opening of Part-II (Price) shall be intimated only to the technically qualified tenderers. Whose Part-I offers have been found suitable will only be permitted to participate in the opening of the Part-II (Price) of the tender.

## **9.0 HOLIDAYS**

If the date(s) specified for receipt and opening of the tenders is/are declared as holidays abruptly by the competent authority due to any administrative reasons, then the due date(s) for receipt/opening of tenders will get postponed automatically to the next working day. As for instance, if the due date for receipt of tender and its opening falls on 3<sup>rd</sup> of a particular month and if the 3<sup>rd</sup> day of the month is declared as a holiday, then the opening date of tender will stand automatically postponed to 4<sup>th</sup> day of the month at the same time.

## **10.0 VALIDITY OF OFFERS**

Offers shall be kept valid for acceptance for a period of 120 (One hundred twenty) days from the date of opening of Part-II (Price) of the tender. Offers with shorter validity period will be liable for rejection.

## **11.0 CATALOGUES/TECHNICAL LITERATURE**

All necessary catalogues/drawings, technical literature data as are considered essential for full and correct evaluation of the offers shall invariably accompany the Part-I (Techno-Commercial) of the tender.

## **12.0 TERMS AND CONDITIONS OF THE CONTRACT**

It must be clearly understood that any contract concluded pursuant to this invitation to tender shall be governed by the General Conditions of the Contract as contained in Section "B" of this tender document. Tenderers must therefore, take special care to go through these general conditions of contract and in exceptional cases if any deviations are proposed, these must be clearly indicated in the Part-I of the tender as a separate annexure instead of merely enclosing their printed conditions of Sale. Tenders made subject to counter conditions or far too many deviations from the general conditions of contract, i.e. Section "B" of this tender document are liable to be ignored. It should also be realised that

failure to bring out deviations from the General Conditions of Contract contained in Section "B" of this tender document will imply that the tenderer is willing to execute the contract as per the Purchaser's terms and conditions of contract.

### **13.0 TENDERING CONDITIONS FOR BIDS**

- 13.1 The prices quoted must be FIRM and preference will be given to such tenders. In exceptional cases (e.g. items involving substantial use of raw materials susceptible to sharp fluctuations in prices) if prices quoted subject to variation it shall be on the basis of a standard 'Price Variation Formula'. The basis for calculation shall be very clearly stated. The responsibility for furnishing the documentary evidence for price variation lies with the vendor. Here again preference will be given to the tenders with a specific ceiling on escalation.
- 13.2 Prices quoted by the tenderer should include all charges involved for direct and safe-delivery of the stores to the consignee/place of delivery indicated in the tender document. If a tenderer so desires, separate lump sum charges for safe-delivery of the stores to the consignee/purchaser's site, could be furnished. However, the purchaser reserves the right to call for break-up. The purchaser will neither undertake responsibility for transit insurance nor pay for it separately.
- 13.3 In respect of tenders on Ex-works basis, in case the tenderer has not mentioned in the offer packing, forwarding and transportation charges for safe delivery up to Purchaser's site, 2% of the price quoted towards packing (in respect of both local and outstation firms), 1% of the basic price quoted towards safe delivery charges in respect of local tenderer and 3% of the basic price quoted towards safe delivery charges in respect of outstation firm will be added for comparison of offers on safe door delivery at Purchaser's site.
- 13.4 The stores shall neither be despatched under 'owner's risk' nor consigned to 'self', but only to the consignee's name and address indicated in the Purchase order. Non-adherence to this condition shall make the contractor liable to bear all consequential penalties/expenses such as demurrage, wharfage, etc. which the Purchaser may incur.
- 13.5 The consignee will, as soon as possible, but not later than 45 days from the date of arrival of stores at destination notify the contractor of any loss or damage to the stores that may have occurred during transit to enable the contractor to repair/rectify the defects/damages or replace the goods as is appropriate, free of all charges. In case it is desired by the contractor for returning of the material to them all expenses towards transportation etc. will be borne by the supplier and also will furnish bank guarantee towards the cost of material.
- 13.6 In case an Indian supplier/Agent furnishes an offer for supply of outrightly imported stores, the price of such stores shall be quoted in Indian Rupees for delivery to the consignee's premises exclusive of import duties and on firm price basis. However, the percentage/quantum of all import duties payable should be quoted separately for consideration of the purchaser wherever necessary.
- 13.7 **Conditional Discount:** In case the tenderer offers any conditional discount with regard to acceptance of their offer within a specific payment terms, delivery, quantity etc. the purchaser will not take into consideration such conditional discount while evaluating their offer.

### **14.0 SPARES AND ACCESSORIES**

- 14.1 Tenders for plant/machinery/equipment/component shall also indicate prices for essential accessories, optional accessories and spares necessary for satisfactory operation of the plant/machinery/ equipment.

- 14.1.1 for a period of two years and
- 14.1.2 for a period of five years
- 14.2 Prices for accessories and spares shall be itemized. Tenders where only lumpsum prices are indicated are liable to be ignored. Particular care must be taken to list out each item of spare and quantity recommended and also the individual price for these items. These details should be included only in Part-II (Price) of the tender. However, a list of spares and accessories without Price should be included in Part-I (Techno-Commercial) of the tender.

**15.0 GOODS AND SERVICE TAX**

GOODS AND SERVICE TAX where legally liveable will be admitted and reimbursed at the rate applicable during original delivery period.

When GOODS AND SERVICE TAX is claimed as extra by the vendor in general, the following certificates should be submitted by the vendor to the Paying Authority on the bills itself:-

Certified that the GOODS AND SERVICE TAX charged has not been exempted under the GST Act or the rules made there-under and the amount charged on account of GST are not more than what is payable under the provision of relevant ACT or the rules there-under.

Certified further that we are being assessed to GST and also that where there are statutory exemptions under the Relevant Act/Law of the State Government concerned, we have availed ourselves of it and certified non-availability of such a provision for GST wherever claimed.

Certified further in respect of amount claimed into the bill no claim is pending for refund/or admissible. Certified that in the event of our getting refund in whole or in part of the element of GOODS AND SERVICES TAX claimed from Government, we shall pass on the benefit to the Purchaser by remitting to Government the amount equivalent to the amount of refund obtained by us.

Certified further that we (our Branch or agent) \_\_\_\_\_ (address) are registered in the state of \_\_\_\_\_ under GST Regn. No. \_\_\_\_\_.

(Stamp & Signature of the Vendor)

The vendor shall solely be responsible for declaration of Goods and Service Tax made in his invoice and shall indemnify the purchaser from any claim or its liability from concerned authorities at any stage.

Certificate with each bill to the effect that no refund has been obtained in respect of the reimbursement of GST made to vendor during three months immediately preceding the date of the claim covered by the relevant bill.

AN UNDERTAKING to the effect that in case any refund of GST is granted to the vendor by concerned authorities in respect of stores supplied under the contract, they shall pass on the credit to the purchaser immediately along with a certificate from their Director/Manager/Proprietor/Accountant to the effect that the credit so passed on relates to the GST originally paid for the stores supplied under the

contract. In case of their failure to do so within 10 days of the issue of the refund orders to them by the Authorities, the purchaser would be empowered to deduct a sum equivalent to the amount refunded by the authorities without any further reference to the vendor, from any of their outstanding bills against this or any other pending Government Contracts and that no dispute on this account would be raised by the vendor.

Vendor should provide GSTIN Certificate along with HSN code of the tendered item along with their quotation.

#### 16.0 **QUANTITIES**

Quantities indicated are approximate only and one or more of the items of the stores tendered, or a portion of any one or more of the items of such stores may be accepted and the tenderer notwithstanding that his Tender has not been accepted in whole shall be bound to supply contracted quantity to the Purchaser.

#### 17.0 **INSTALLATION AND COMMISSIONING**

17.1 Wherever, the purchaser's invitation to tender calls for installation and commissioning or supervision of installation and commissioning of the instrument/equipment by the tenderer, the tenderer must clearly and separately quote the prices for the supply of the stores and the charges and the terms for installation and commissioning or supervision of installation and commissioning, as the case may be. The charges towards installation and commissioning should not be included in the price of the stores.

17.2 In respect of contracts involving installation and commissioning by the overseas supplier where identifiable charges for the same has been quoted by the tenderer, he shall bear the Income-tax liability as per the prevailing DTAA rates at the time of undertaking the job in accordance with the Income tax Act in force in India.

17.3 Wherever, the scope of the contract includes installation and commissioning, it shall be the sole responsibility of the contractor to undertake the installation and commissioning as and when called for, by the Purchaser.

#### 18.0 **INSPECTION**

18.1 The Contractor shall be responsible for and perform all inspection and testing required in accordance with the contract/purchase order and specifications included therewith.

18.2 The Purchaser may at his option depute his representative for inspection of the stores to be supplied under the contract or authorize and nominate a Quality Surveillance Agency of his choice for the purpose hereinafter called, in either case, the inspection.

18.3 The supplier shall give notice of readiness for inspection to the Purchaser so that the Inspector can be present at the requisite time. In such an event delivery shall not be effected until an authorization or shipping release is obtained from the Purchaser.

18.4 The contractor shall allow reasonable facility and free access to his work/factory and records to the inspector for the purpose of inspection or for ascertaining the progress of delivery under the contract.

**19.0 FACTORY REGISTRATION/SHOP & ESTABLISHMENT CERTIFICATE**

The tenderers shall submit the copy of the Factory Registration/License or Shop & Establishment Certificate as applicable, along with the tender, failing which the tenders are liable for rejection.

**20.0 PRODUCTS WITH ISI MARK**

20.1 Products with ISI mark will be preferred.

20.2 In respect of following categories of item, Purchaser will consider offers for products with ISI mark only:

- Fire Extinguisher
- Building Material
- PVC Pipes & fittings
- Agricultural Implements & sprayers
- Medical instruments such as syringes, needles, BP apparatus etc.

**21.0 SHOP/FACTORY EVALUATION, QUALITY SURVEILLANCE /INSPECTION AND SUBMISSION OF PROGRESS REPORTS**

21.1 The Purchaser or his technical authorities may at his option and prior to evaluation of the tender depute his Inspector or any quality surveillance Agency of his choice to the factory/workshop of the tenderer to assess and establish the manufacturing capability etc. of the tenderer. Similarly, the Purchaser may also depute his inspector/Quality Surveillance agency of his choice for inspection of the plant/machinery/equipment/component during the various stages of manufacture in such an event the tenderer/contractor shall:-

21.1.1 Allow reasonable facility and free access to his factory/work/ records to the Inspector for the purpose of inspection or for ascertaining the progress of manufacture and delivery.

21.1.2 Provide the drawings, toolings, gauges, instruments etc. required for carrying out the inspection work.

21.1.3 Produce an inspection plan to the Purchaser's satisfaction notifying him when check points on the plan are imminent.

21.1.4 Not supply or deliver the plant/machinery/equipment/ component unless and until a Shipping Release or an authorization for despatch is obtained in a format provided by the Purchaser. Failure to comply with this instruction will not only result in with holding of the payment to the contractor/supplier, but also hold the tenderer/contractor liable for payment of compensation to the Purchaser due to delay in clearance of the Equipment/plant/machinery/ component from the carriers.

**22.0 INSTRUCTION MANUAL**

In respect of plant/ machinery/ equipment/ instrument/ apparatus, where instruction/ operation manual is normally necessary to enable the user to put the plant/machinery/equipment/instrument/ apparatus to proper use, the Contractor shall furnish such an instruction/operation manual specific to the stores being supplied along with the plant/machinery/equipment/instrument/apparatus. The Contractor shall clearly specify in the offer about his readiness to supply instruction/operation manual

**23.0 PACKING**

23.1 Tenderers shall note that packing for shipment shall be in accordance with the instructions outlined in this tender document, each package shall be limited to the size and weights that are permissible under the existing Air and Sea limitations. Even when no packing specification is included in the

invitation to tender, it will be Supplier's responsibility to provide appropriate packing depending upon the nature of the supply and the transportation and handling hazards.

23.2 The equipment shall be so packed and protected as not to suffer deterioration, damage or breakage during shipment and storage in a tropical climate.

23.3 Each package shall be properly labeled to indicate the type and quantity of material it contains, the purchase order number, its dimensions and weight and any other necessary data to identify the equipment and relate it to contract.

#### 24.0 **DEVIATIONS TO PURCHASER'S SPECIFICATIONS AND CONDITIONS OF CONTRACT**

24.1 If any deviation or substitution from the technical specifications contained in Section "C" to this tender document is involved, such details should be clearly indicated in Part-I (Techno-Commercial) and should be added as an annexure to Part-I (Techno-commercial) of the tender as otherwise it shall be an admission on the part of the tenderer that he will supply the equipment as specified by the Purchaser. Similarly, deviations to the Purchaser's General Conditions of Contract/Special Conditions of Contract contained in Section "B" of this tender document shall be indicated by the tenderer in another annexure to Part-I (Techno-commercial) of the tenderer.

24.2 Part-II (Price) should be furnished in accordance with the format provided by the Purchaser at Section "D" of this tender document.

#### 25.0 **DELIVERY/COMPLETION OF WORK**

Tenderer should note that no tender will be considered by the Purchaser unless the Tenderer can meet the delivery schedule specified by the Purchaser.

25.0.1 All equipment/machinery/plant/component/ jobs covered in as described in Section C of this tender document should be supplied and installed within Two month from the receipt of the Work Order.

25.0.3 The prices quoted by the tenderer should include all charges involved for direct and safe delivery of the items by Road to the project site of the Purchaser. If a tenderer so desires/separate lumpsum charges for transportation and safe delivery to Purchaser's site could be furnished. Purchaser will neither undertake responsibility for transit insurance nor pay for it separately. No other, delivery term will be accepted by the Purchaser.

#### 26.0 **FREE ISSUE MATERIAL** (*This clause shall apply only to contracts for supply of fabricated equipment with purchaser's Free Issue Materials (FIM).*)

26.1 Wherever contracts envisage supply of Free Issue Material (FIM) by the Purchaser to the contractor, such Free Issue Material shall be safeguarded by an insurance policy to be provided by the Contractor at his own cost for the full value of such materials and the insurance policy shall cover, the following risks specifically and shall be valid for six months beyond the contractual delivery date.

- **Risk to be covered:** Any loss or damage to the Purchaser's material due to fire, theft, riot, burglary, strike, civil commotion, terrorist act, natural calamities etc. and any loss or damage arising out of any other causes such as other materials falling on purchaser's materials.

- **Insured by:** (Name of the Contractor)
- **Beneficiary:** Centre of Plasma Physics-Institute for Plasma Research, Nazirakhat, Sonapur-782402, Kamrup (M), Assam.
- **Amount for which insurance policy to be furnished:** The amount will be indicated in the respective contract.

Free Issue Material (FIM) will be issued to the Contractor only after receipt of the Insurance Policy from the Contractor. The contractor shall arrange collection of the FIM from the Purchaser's premises and safe transportation of the same to his premises at his risk and cost.

Notwithstanding the insurance cover taken out by the Contractor as above, the contractor shall indemnify the purchaser and keep the Purchaser indemnified to the extent of the value of free issue materials to be issued till such time the entire contract is executed and proper account for the FIM is rendered and the left over/surplus and scrap items are returned to the Purchaser. The contractor shall not utilize the Purchaser's free issue materials for any job other than the one contracted out in this case and also not indulge in any act, commission or negligence which will cause/result in any loss/damage to the Purchaser and in which case, the Contractor shall be liable to the Purchaser to pay compensation to the full extent of damage/loss. The Contractor shall be responsible for the safety of the free issue materials after these are received by them and all through the period during which the materials remain in their possession/control/custody. The free issue materials on receipt at the Contractor's works shall be inspected by them for ensuring safe and correct receipt of the material. The Contractor shall report the discrepancies, if any, to the Purchaser within 5 days from the date of receipt of the material. The Contractor shall take all necessary precautions against any loss, deterioration, damage or destruction of the FIM from whatever cause arising whilst the said materials remain in their possession/custody or control. The FIM shall be inspected periodically at regular intervals by the Purchaser for ensuring safe preservation and storage. The contractor shall also not mix up the FIM with any other goods and shall render true and proper account of the materials actually used and return balance remaining unused material on hand and scrap along with final product and if it is not possible within a period of one month from the date of delivery of the final product covered by this purchase order. The Contractor shall also indemnify the Purchaser to compensate the difference in cost between the actual cost of the FIM lost/damaged and the claim settled to the Purchaser by the insurance company. The decision of the Director, Institute for Plasma Research, as to whether the Contractor has caused any loss, destruction, damage or deterioration of the FIM while in his possession, custody or control from whatever cause arising and also on the quantum of damage suffered by the government, shall be final and binding upon the Contractor.

## 27.0 **ACCEPTANCE OF TENDERS**

Acceptance of tenders by the Purchaser will be sent by fax, E-mail, letter etc. within the validity date of the tender and such a fax, letter etc. would then be followed by a formal purchase order/contract. The tenderer whose offer is accepted will proceed with the execution of the contract on the basis of such advance acceptance of tenders without waiting for a formal purchase order/contract, and will be responsible to seek and obtain whatever clarifications that are necessary from the Purchaser to proceed with the manufacture without

waiting for a formal purchase order/contract and delivery period will be reckoned from the date of the Letter of Intent.

**28.0 SETTLEMENT OF COMMERCIAL TERMS AND CONDITIONS OF CONTRACT**

In case the commercial terms and conditions of sale/contract stipulated in Part-I (Techno-commercial) of the tender submitted by the tenderer are at variance with the Purchaser's General Conditions of all Contracts/Special Conditions of Contract stipulated in Section "B" of this tender document, the Purchase Officer will settle the commercial terms and conditions of contract with the tenderers chosen for award of the contract by holding discussions with them OR by sending Fax/Letter/E-mail etc. In case the concerned tenderer to whom an intimation thereof is given does not respond/fail to respond to communication sent by the Purchaser within the date specified, his tender is liable for rejection at the discretion of Director, IPR and no complaints whatsoever will be entertained from the tenderer for rejection of this tender. The tenderers should not discuss with the technical authorities/user department any of the commercial terms and conditions of contract and any agreement/understanding reached between the tenderer and the technical authorities will not be valid and binding.

**29.0 COMPLIANCE WITH THE SECURITY REQUIREMENTS OF THE PURCHASER**

The Contractor shall strictly comply with the Security Rules and Regulations of the Purchaser in force and shall complete the required formalities including verification from Police and any other authority and obtain necessary prior permission for entry into the Purchaser's premises, wherever authorized by the Purchaser.

**30.0 PAST PERFORMANCE**

In case the past performance of the tenderer is not found to be satisfactory with regard to quality, delivery, warranty obligation and non-fulfillment of terms and conditions of the contract, their offer is liable to be rejected by the purchaser.

**31.0 CAPACITY & FINANCIAL STANDING**

In case it is found that the tenderer does not possess the requisite infrastructure, capacity, capability and their financial standing is not satisfactory, such tender is liable to be rejected by the Purchaser.

**32.0 CONFIDENTIALITY**

Drawings, specifications, prototypes, samples or any other correspondence/details/information provided by the Purchaser relating to the tender or the contract shall be kept confidential by the contractor, and should not be disclosed or passed on to any other person/firm without the prior written consent of the purchaser. This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by the Contractor.

**33.0 RESTRICTED INFORMATION CATEGORIES UNDER SECTION 18 OF THE ATOMIC ENERGY ACT, 1962 AND OFFICIAL SECRETS UNDER SECTION 5 OF THE OFFICIAL SECRETS ACT, 1923**

Any contravention of the above mentioned provisions by the contractor, sub-contractor, consultant, adviser or the employees of the contractor will invite penal consequences under the aforesaid legislation.

**34.0 PROHIBITION AGAINST USE OF THE NAME OF ANY INSTITUTION OF DEPARTMENT OF ATOMIC ENERGY WITHOUT PERMISSION FOR PUBLICITY PURPOSES**



The Contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use the name of any Institution of Department of Atomic Energy for any publicity purpose through any public media like Press, Radio, TV or Internet without the prior written approval of the Purchaser.

**35.0 PRICE PREFERENCE FOR MICRO & SMALL ENTERPRISES**

In respect of offers from SSI units and Micro & Small Enterprises (MSEs) registered with appropriate Government authorities will be eligible for price preference, as admissible as per the policy of Government of India provided their offer is technically suitable.

**36.0 PERMANENT ACCOUNT NUMBER**

The tenderer shall submit a true copy of the PAN card/Letter issued by the Income-tax Department, along with the tender, failing which the tenders are liable for rejection.

**SECTION - B**

**GENERAL CONDITIONS OF CONTRACT**

**CENTRE OF PLASMA PHYSICS  
INSTITUTE FOR PLASMA RESESARCH  
PURCHASE SECTION**

**GENERAL CONDITIONS OF ALL CONTRACT  
&  
SPECIAL CONDITIONS OF CONTRACT  
GOVERNING SUPPLIES OF  
PLANT AND MACNHINERY**

## **GENERAL CONDITIONS OF CONTRACT**

### **1. DEFINITIONS**

- 1.1 The term 'PURCHASER' means the Centre of Plasma Physics-Institute for Plasma Research or its successors or assigns.
- 1.2 The term 'PARTICULARS' means the following:
  - 1.2.1 Specification
  - 1.2.2 Drawing
  - 1.2.3 Sealed pattern denoting a pattern sealed and signed by the Inspector
  - 1.2.4 Proprietary make denoting the produce of an individual firm
  - 1.2.5 Any other details governing the construction manufacture and/or supply as existing for the contract.
- 1.3 The term 'CONTRACTOR' or 'SUPPLIER' means, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractors/Successors (approved by the Purchaser), representatives, heirs, executors and administrators unless excluded by the contract.
- 1.4 The term 'CONTRACT' or 'PURCHASE ORDER' means and comprises of a Letter or Email or ink signed or digitally signed document conveying acceptance of Contractor's offer and invitation to tender, tender containing offer, advance acceptance of offer, general and special conditions of contract specified in the acceptance of offer and any subsequent amendments/alterations thereto made on the basis of mutual agreement.
- 1.5 The term 'STORES' or 'MATERIAL' means, the goods specified in the contract/purchase order which the contractor has agreed to supply under the contract.
- 1.6 The term 'SUB-CONTRACTOR' or 'SUB-SUPPLIER' means any contractor or supplier engaged by the contractor or the supplier with the prior approval of the Purchaser in relation to the contract/purchase order.
- 1.7 The term 'INSPECTOR' or 'QUALITY SURVEYOR' means any person nominated and deputed by the purchaser or their appointed Consultants or Quality Surveillance Agency or any other person from time to time authorized by the Purchaser to act as his representative for the purpose of inspection of stores under the contract/purchase order.

### **2. AUTHORITY OF PERSON SIGNING THE CONTRACT ON BEHALF OF THE CONTRACTOR**

The person signing the contract or the purchase order or any other document in respect of the contract or purchase order on behalf of the contractor shall be deemed to warrant that he has the authority to bind the contractor.

### **3. SUBLETTING OF CONTRACT OR BILLS OR ANY BENEFIT ACCRUING THEREFROM**

- 3.1 The Contractor shall not sublet, transfer or assign the Contract or any part thereof or bills or any other benefits, accruing therefrom or under the contract without the prior written consent of the Purchaser (All Sub-contractors are required to be appraised and approved by the Purchaser

before placement of orders by the Contractor/Supplier). However, such consent shall not be unreasonably withheld by the Purchaser, if such stores are not normally manufactured by the Contractor, such assignment or subletting shall not relieve the Contractor from any contractual obligation or responsibility under the Contract.

- 3.2 Any breach of this condition shall entitle the Purchaser to cancel the Contract or any part thereof and to purchase from other sources at the risk and cost of the Contractor and shall recover from the Contractor damages arising from such cancellations.
- 3.3 In case the Contractor sublets, transfers or assigns any part of the Contract with the prior written consent of the Purchaser, all payments to the Sub-Contractor shall be the responsibility of the Contractor and any requests from such sub-Contractor shall not be entertained by the Purchaser.

#### **4. SECURITY DEPOSIT**

- 4.1 On acceptance of tender, the Contractor shall at the option of the Purchaser and within the period specified by him, submit a Bank Guarantee from SBI or any one of the nationalized banks or reputed private banks, viz. AXIS Bank, ICICI Bank, IDBI Bank and HDFC Bank towards Security Deposit not exceeding 10% (ten percent) of the tendered value of the contract/purchase order valid till acceptance of the material, as the Purchaser shall specify.
- 4.2 If the Contractor is called upon by the Purchaser to submit Security Deposit and the contractor fails to provide the same within the period specified such failure shall constitute a breach of the Contract and the Purchaser shall be entitled to make other arrangements for the repurchase of the stores contracted for at the risk and expenses of the Contractor in terms of clause 10.2.4 hereof and/or recover from the Contractor damages arising from such cancellation. No claim shall lie against the purchaser either in respect of interest if any due on Security Deposit or depreciation in value.

#### **5. SPECIFICATION, ETC.**

##### **5.1 Quality and Workmanship**

- 5.1.1. The stores shall be of the best quality and workmanship and comply with particulars of the contract and in all respect shall be to the entire satisfaction of the Inspector and the Purchaser.
- 5.1.2 In particular and without prejudice to the foregoing conditions and in addition thereto when tenders are called for in accordance with 'particulars' Contractor's tender to supply in accordance with such particulars shall be deemed to be in admission on his part that he has fully acquainted himself with the details thereof and no claim on his part which may arise on account of non-examination of the 'particulars' will in any circumstances be considered by the Purchaser or be recoverable from him.

##### **5.2 Contractor's Liability for Defective Stores**

- 5.2.1 For a period of twelve months after the stores have been accepted by Purchaser the Contractor shall be responsible for any defects that may be discovered therein notwithstanding that such defects could have been discovered at the time of

inspection or any defects therein are found to have developed under proper use, arising from faulty materials, design or workmanship and the Contractor shall remedy all such defects as aforesaid at his own cost provided he is called upon within a period of 14 months from the date of acceptance thereof to do so, by the Purchaser who shall state in writing in what respect the goods are faulty and further if in the opinion of the Purchaser the defects are of such a nature that it is necessary to replace or renew any defective stores, such replacement or renewal shall be made by the Contractor without any extra costs to the Purchaser, provided notice informing the Contractor of the defect is given by the Purchaser within the said period of 14 months. The decision of the Purchaser notwithstanding any prior approval or acceptance of the Inspector as to whether or not the stores delivered are defective or any defect has developed within the said period of twelve months or as to whether the nature of defects renewal or replacement shall be final conclusive and binding on the Contractor.

## **6. ALTERATION OF SPECIFICATIONS, PATTERNS AND DRAWINGS**

- 6.1 The Purchaser reserves the right to alter, whenever necessary, specifications, patterns and drawings. As from the date, the Stores shall be in accordance with the specifications, patterns and drawings so altered, which the contractor is bound to comply with.
- 6.2 In the event of such alteration involving a revision in the cost, or in the delivery period, the same shall be discussed and mutually agreed to, taking into account the unit rates of similar items in the Contract. In case of disagreement, the decision of the Purchaser, in the cost or the delivery period, shall be final and conclusive.

## **7. SAMPLES**

- 7.1 Samples submitted for any reason shall be supplied without charge and freight paid without any obligation of the Purchaser as regards safe custody or safe-return thereof. All samples submitted must be clearly labelled with the Contractor's name and address and tender number. If the Contractor submits the sample with his tender the same shall not govern the standard of supply except when it has been specifically stated in the Purchase Order that it is accepted instead of any sealed pattern. Should certified samples be lent to the Contractor by the Purchaser, the Contractor is responsible for the return in perfect order of all certified samples with the labels intact.

## **8. PACKING**

- 8.1 The contractor shall be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air so as to ensure their being free from any loss or damages on arrival at their destination. The packing and marking of packages shall be done by and at the expenses of the Contractor. Each package shall contain a Packing Note quoting Purchase Order number and date and showing its contents in detail.
- 8.2 Unless otherwise provided in the contract all containers (including packing cases, boxes, tins, drums and wrappings) in which the stores are supplied by the contractor shall be considered as property of the Purchaser and their cost as having been included in the contract price.

**9. CONTRACTOR’S RESPONSIBILITY REGARDING DESPATCH**

- 9.1 **Said to contain basis:** The contractor shall be responsible for obtaining a clear receipt from the Transport Authorities specifying the goods dispatched, Purchaser shall not pay separately for transit insurance, and all risks in transit being exclusively of the Contractor and the Purchaser shall pay for only such stores as are actually received by him in accordance with the Contract.
- 9.2 **Contractor's liability for freight and transport charges:** Unless otherwise expressly mentioned in the Purchase Order, the Contractor shall pay and bear all freights and all costs and expenses for transporting the stores to the place of delivery specified in the Purchase Order and the price specified in the Purchase Order shall be inclusive of all such freights, costs and expenses.
- 9.3 **F.O.R. Station of Despatch:** In the case of an ‘F.O.R. station of despatch’ contract, the stores shall be booked at full wagon rates whenever available and by the most economical route, and failure to do so will render the Contractor liable for the whole or part of any avoidable expenditure, caused to the Purchaser.

**10. DELIVERY:**

- 10.1 **Time for and date of delivery, the essence of the Contract:** The time for and the date of delivery of the stores stipulated in the purchase order shall be deemed to be the essence of contract, and delivery must be completed not later than the date specified therein.
- 10.2 **Failure and Termination:** Should the contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the Purchaser shall be entitled at his option either:
  - 10.2.1 To recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 2% of the price of any stores which the contractor has failed to deliver as aforesaid, for each month or part of a month, during which the delivery of such stores may be in arrears, or
  - 10.2.2 To recover from the Contractor, at the sole discretion of the Purchaser, token liquidated damages up to 10% of the normal liquidated damages may be imposed.
  - 10.2.3 Conditions under which Liquidated Damages will be levied are as under:

<b>CONDITION</b>	<b>LEVY OF LIQUIDATED DAMAGES</b>
i) Delay in supplies resulted in monetary loss actual/demonstrable and supplier was fully responsible for the delay	Full Liquidated Damages will be levied as specified.
ii) Delay in supplies resulted in monetary loss actual/demonstrable but the supplier was responsible only for part of the delay and remaining part of the delay was beyond their control and attributable to the purchaser.	Full Liquidated Damages will be levied as specified for which supplier is responsible.
iii) Delay in supplies resulted in monetary loss actual/demonstrable and entire delay was due to circumstances beyond their control and fully attributable to the Purchaser	Liquidated Damages may be waived in full.
iv) Delay in supplies. However, monetary loss actual/demonstrable cannot be certified	Token Liquidated Damages equal of 10% of full Liquidated Damages will be levied.

- 10.2.4 To purchase or authorise the purchase elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores, not delivered or others of a similar description (where others exactly complying with the particulars are not, in the opinion of the Purchaser readily procurable, such opinion being final, readily procurable) without cancelling the contract in respect of the consignment(s) not yet due for delivery, or
- 10.2.5 To cancel the contract or a portion thereof, and, if so desired, to purchase or authorize the purchase of stores not so delivered or others of similar description (where others exactly complying with the particulars are not, in the opinion of the Purchaser readily procurable, such opinion being final, readily procurable) at the risk and cost of the Contractor.

In the event of action being taken under clause 10.2.2, 10.2.3 or 10.2.4 above, the Contractor shall be liable for any loss which the Purchaser may sustain on that account, provided that the repurchase or, if there is an agreement to repurchase then such agreement, is made within six months of the date of such failure. But the contractor shall not be entitled to any gain on such repurchase made against default. The manner and method of such repurchase shall be in the entire discretion of the Purchaser, whose decision shall be final. It shall not be necessary for the Purchaser to serve a notice of such repurchase on the defaulting contractor. This right shall be without prejudice to the rights of the Purchaser to recover damages for breach of contract by the Contractor.

- 10.2.6 **Extension of time:** As soon as it is apparent that contract dates cannot be adhered to an application shall be sent by the contractor to the Purchaser. If failure, on the part of the Contractor to deliver the stores in proper time shall have arisen from any causes which the Purchaser may admit as reasonable ground for an extension of time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances of the case without prejudice to the Purchaser's rights to cover liquidated damages under clause 22 hereof
- 10.2.7 However, if the contractor fails to apply and secure extension of contract delivery dates before effecting the delivery of the supplies against the contract, acceptance of such stores by the Purchaser will in no way prejudice the rights of the Purchaser to levy the liquidated damages for delayed deliveries nor will it entitle the contractor for payment of statutory levies that come into force after the expiry of the contract delivery dates.

## **11. INSPECTION AND REJECTION**

- 11.1 **Inspection and Rejection:** The stores shall be tendered by the Contractor for inspection at such places as may be specified by the Inspector, at the Contractor's own risk, expenses and costs and shall lie at such places of inspection at the risk of the Contractor and the stores will be subject to inspection and test as may be considered necessary by the inspector and his decision as regards rejection of goods shall be final and binding on the Contractor. If any goods are rejected as aforesaid, then without prejudice to the foregoing provision, the Purchaser shall be at liberty to

- 11.1.1 Allow the Contractor to re submit without prejudice to the Purchaser's right to claim and recover Liquidated damages as provided in clause 22 hereof, stores in replacement of those rejected within a time specified by



the Purchaser (which time shall be essence of the contract), the contractor bearing the cost of freight for such replacement without being entitled to any extra payment, or

- 11.1.2 Buy the quantity of stores rejected or others of a similar nature elsewhere at the risk and cost of the Contractor in accordance with the provisions contained in second paragraph of clause 10.2.4 hereof without effecting the Contractor's liability as regards the supply of any further consignments due under the Contract, or
  - 11.1.3 Terminate the Contract and recover from the Contractor the loss Purchaser thereby incurred
- 11.2 **Removal of rejection:** Any stores submitted for inspection and rejected by the Inspector must be removed by the Contractor within fourteen days from the date of receipt of intimation of rejection, provided that in the case of dangerous infected or perishable stores, the Inspector (whose decision shall be final) shall notify the Contractor to remove such stores within 48 hours of receipt of intimation of rejection and it shall be the duty of the Contractor to remove them accordingly. Such rejected stores shall lie at the Contractor's risk from the time of such rejection and if not removed within the aforementioned time, the Purchaser shall have the right either to return the rejected stores to the Contractor at the Contractor's risk by such mode of transport as Purchaser may select or to dispose off or segregate such stores as he thinks fit at the Contractor's risk and on his accounts and to appropriate such portion of the proceeds as may be necessary to cover any loss or expenses incurred by the Purchaser in connection with the said sale. Freight to destination of stores rejected after examination at destination shall be recoverable from the Contractor at the Tariff Rate.
- 11.3 **Test Certificate and Guarantees:** Test Certificate Guarantees, if required by the Inspector shall be obtained and furnished by the Contractor free of costs.

## **12. RECTIFICATION AND REPLACEMENT OF DEFECTIVE STORES**

- 12.1 If the inspector find that the contractor has executed any unsound or imperfect work, the inspector shall notify such defects to the contractor and the contractor on receiving the details of such defects or deficiency, shall at his own expenses, within seven days or otherwise within such time as may be mutually agreed upon as reasonably necessary, proceed to alter, reconstruct or remanufacture the stores to the requisite standard and specifications as called for by the tender specification.

## **13. RECOVERY OF SUMS DUE**

- 13.1 Whenever any claim for payment of, whether liquidated or not, moneys arises out of or under this contract against the Contractor the Purchaser shall be entitled to recover sum by appropriating, in part or whole, by encashing the Bank Guarantee submitted towards Security deposit by the Contractor, if a Security Deposit is taken against the Contract. In the event of the security being insufficient or no Security Deposit has been taken from the Contractor then the balance or the total sum or which at any time hereafter may become due to the Contractor under this or any other contract with the Purchaser, should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the Purchaser on demand the remaining balance due. Similarly, if the Purchaser has or makes any claim, 'whether liquidated or not against the Contractor under any other contract with the Purchaser the payment of all moneys payable under the contract to the contractor including the security deposit shall be withheld till such claims of the Purchaser are finally adjudicated upon and paid by the Contractor.
- 13.2 All demurrage, wharfage and allied expenses incurred by the Purchaser, if any, due to delayed clearance of Stores in view of non-receipt, incomplete or delayed

receipt of documents by the Purchaser, shall be recovered from the payment due to the Contractor.

#### **14. BAR/PERT CHART**

14.1 The contractor at the discretion of the Purchaser shall submit the BAR/PERT chart indicating various activities from the date of purchase order to handing over of the stores.

#### **15. PERFORMANCE BANK GUARANTEE**

15.1 In the event of acceptance of the offer in respect of plant, machinery, equipment, instrument, etc. the tenderer will be required to submit a performance bank guarantee for 10% of the total value of the stores inclusive of all statutory levies and other charges admitted in the contract, from SBI/any nationalized bank or private sector banks, namely, ICICI Bank, IDBI Bank, HDFC Bank and AXIS Bank, on a non-judicial stamp paper of appropriate value valid till 2 months beyond the expiry date of warranty period as per the Purchaser's format towards satisfactory performance of the plant, machinery, equipment, instrument, etc. during the warranty period. In case of bids in currency other than INR performance bank guarantee shall be furnished from any bank of international repute.

15.2 In case of non-submission of performance bank guarantee by the Contractor, an amount equivalent to 10% of the total value of the stores and other charges admitted in the contract will be retained by the purchaser till the expiry of the warranty period of the stores.

15.3 Offers of the tenders who are not agreeable to furnish performance bank guarantee or retaining of an equivalent amount by the purchaser as per clause No.15.1 and 15.2 above, are likely to be rejected.

#### **16. PERMIT AND LICENCES**

16.1 The contractor shall secure and pay all licenses and permit at his end which he may be required to comply with all laws ordinances and regulations of the public authorities in connection with the performance of his obligations under the contract. The contractor shall be responsible for all damages and shall indemnify and save the purchaser harmless from against all claims for damages and liability which may arise out of the failure of the contractors to secure and pay for any such licenses and permits or to comply fully which any and all applicable laws ordinances and regulations.

#### **17. PATENTS & PATENT RIGHTS INDEMNIFICATION**

17.1 The Contractor shall indemnify and keep indemnified the Purchaser from and against any and all claims, actions, costs, charges and expenses arising from or for infringement of patent rights, copy right or other protected rights, of any design plans, diagrams, drawings in respect of the stores supplied by the contractors or any of the manufacturing methods or process adopted by contractor for the stores supplied under the contract.

17.2 In the event of any claim being made or action being taken against the purchaser in respect of the matter referred to clause 17.1 above, the contractor shall promptly be notified thereof and he shall at his own expense, conduct all negotiations for the settlement of the same and any litigation that may arise therefrom.

17.3 In the event of any designs, drawing, plans or diagrams or any manufacturing methods or process furnished by the contractor constituting infringement of patent or any other protected rights and use thereof is restrained, the contractor shall procure for Purchaser, at no cost to the latter, the rights to continue using the same or to the extend it is possible to replace the same so as to avoid such

infringement and subject to approval by the Purchaser or modify them so that they become non-infringing, but such modifications shall otherwise be to the entire satisfaction of the Purchaser.

## **18. LAW GOVERNING THE CONTRACT**

18.1 This Contract shall be governed by the laws of India for the time being in force. The marking of all stores supplied must comply with the requirements of India Acts relating to Merchandise Marks and all the rules made under such Acts.

## **19. JURISDICTION**

19.1 The Courts within the local limits (i.e. GUWAHATI) of whose jurisdiction the place from which the purchase order is issued is situation only shall, subject to Arbitration Clause, have jurisdiction to deal with and decide any matter out of this Purchase Order/Contract.

## **20. SETTLEMENT OF DISPUTES**

20.1 The Purchaser and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

20.2 If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

## **21. ARBITRATION**

21.1.1 In the event of any dispute or difference arising out or of in connection with any of the terms and conditions of the Purchase Order/Contract, the matter shall be referred to the Director, IPR for settlement. In case the parties to the Purchase Order are not in a position to settle the dispute mutually, the matter shall be referred to a Sole Arbitrator to be appointed in accordance with the Arbitration & Reconciliation Act, 1996 & Arbitration and Conciliation (Amendment) Act, 2015 as amended time to time.

## **22. LIQUIDATED DAMAGES**

22.1 As per Standard Terms & conditions, the Purchaser reserves the right to levy the Liquidated Damages, for delay in supply beyond the contractual delivery date at the rate of 2% of the value of the stores the delivery of which is delayed, for each month or part of a month.

## **23. EXERCISING THE RIGHTS AND POWERS OF THE PURCHASER**

23.1 All the rights, discretions and powers of the Purchase under the contract shall be exercisable by and all notices on behalf of the Purchaser shall be given by the Purchase Officer and any reference to the opinion of the Purchaser in the terms and conditions contained in these General Conditions of all Contracts shall mean and be construed as reference to the opinion of any of the persons mentioned in this clause.

## **24. TRAINING**

24.1 The successful tenderer shall, if required by the Purchaser, provide facilities for the practical training of Purchaser's engineering or technical personnel for their active association on the manufacturing process throughout the manufacturing

period of the Contract/stores, number of such personnel to be mutually agreed upon. If demanded by the Purchaser, such training shall be conducted at Purchaser's site by the Contractor free of charge. The duration of training shall be mutually decided upon by the Purchaser and the Contractor.

## **25. PRICE VARIATION**

- 25.1 The prices quoted must be FIRM and preference will be given to such tenders. Prices charged by the supplier for the goods supplied and the services performed under the contract shall not vary from the prices quoted by the supplier in its bid with the exception of any price adjustment authorized in the Schedule of Requirements.
- 25.2 In exceptional cases (e.g. items involving substantial use of raw materials susceptible to sharp fluctuations in prices) if prices quoted subject to variation it shall be on the basis of a standard 'Price Variation Formula'. The basis for calculation shall be very clearly stated. The responsibility for furnishing the documentary evidence for price variation lies with the vendor. Here again preference will be given to the tenders with a specific ceiling on escalation.

## **26. RISK PURCHASE**

- 26.1 In the event supplier fails to fulfill the contractual obligations as per the terms and conditions of the Contract, the Purchaser has an option of completing the Contract at the risk and expenses of the Contractor. While initiating risk purchase at the risk and expenses of the supplier, the Purchaser must satisfy himself that the supplier has failed to deliver and he has been given all the opportunities as per the Contract to execute the Contract and also adequate and proper notice. Wherever risk purchase is resorted to, the supplier is liable to pay the additional amount spent by the government, if any as compared to contracted amount. All the factors including the method of recovering such amount should also be considered while taking a decision to invoke the risk purchase.

## **27. LIEN IN RESPECT OF CLAIMS IN OTHER CONTRACTS**

- 27.1 Any sum of money due and payable to the Contractor under any contract may be withheld or retained by way of lien by the purchaser or any other person or persons contracting through the Centre Director, CPP-IPR against any claim of the Purchaser or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Purchaser or with other such person or persons.
- 27.2 It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Purchaser will be kept withheld or retained as such by purchaser till this claim arising out of in the same contract or any other contract is either mutually settled or determined by the arbitrator, and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

## **SPECIAL CONDITIONS OF CONTRACT GOVERNING SUPPLIES OF PLANT AND MACHINERY**

In addition to the General Conditions of Contract hereinbefore set out the following special conditions shall apply to contracts for the supply of Plant and Machinery and manufactured equipment. These Special Conditions where they differ from the General Conditions shall over-ride the later.

**28. DEFINITION OF PLANT**

28.1 The word "PLANT" wherever, appears in these "Special Conditions of Contract governing supplies of Plants and Machinery" shall mean all machinery, plants, equipment or parts thereof or what the Contractor agrees to supply under contract as specified in the Purchase Order.

**29. MISTAKES IN DRAWING**

29.1 The Contractor shall be responsible for and shall pay for an alterations of the works due to any discrepancies, errors or omissions in the drawings or other particulars supplied by him whether such drawings or particulars have been approved by the Purchaser or not.

**30. RESPONSIBILITY FOR COMPLETENESS**

30.1 Any fittings or accessories which may not be specifically mentioned in the specification but for which are usual or necessary, are to be provided by the Contractor without extra charge and the plant must be complete in all respects.

**31. REJECTION OF DEFECTIVE PLANT**

31.1 If the plant after the acceptance thereof be discovered to be defective, notwithstanding that such defects could have been discovered at the time of inspection, or found to have failed to fulfil the requirements of the contract or developed defects after erection within a period of 12 months from the date of erection, whether such erection is done by the Purchaser or by the Contractor, the Purchaser shall be entitled to give a notice on the contractor setting forth details of such defects or failure and the contractor shall, provided such notice is given within a period of 14 months from the date of such erection or acceptance, forthwith make the defective plant good or alter the same to make it comply with the requirements of the contract at his own cost and further if in the opinion of the Purchaser, the defects are of such a nature that the defects cannot be made good or required without impairing the efficiency or workability of the plant or if in the opinion of the Purchaser the Plant cannot be repaired or altered to make is comply with the requirements of the Contract, the Contractor shall, provided a notice is given by the Purchaser in this behalf within a period of 14 month from the date of erection or acceptance thereof, remove and replace the same within plant conforming to the stipulated particulars in all respect at the Contractor's own cost. Should he fail to do so within a reasonable time, the Purchaser may reject at the cost of the contractor the whole or any part of the Plant as the case may be which is defective or fails to fulfil the requirements of the contract. Such replacement at the cost of the Contractor shall be carried out by the Purchaser within a reasonable time which plant of the same particulars or when the plant conforming to the stipulated particulars are not in the opinion of the Purchaser readily procurable, such opinion being final, then the nearest substitutes.

31.2 In the event of such rejection the Purchaser shall be entitled to use the plant in reasonable and proper manner for a time reasonably sufficient to enable him to obtain replacement as hereinbefore provided.

**32. INSPECTION AND FINAL TESTS**

32.1 All tests necessary to ensure that the plant complies with the particulars and guarantees shall be carried out at such place or places as may be determined by the inspector. Should, however, it be necessary for the final tests as to performance or guarantees to be held over until the Plant is erected at site they shall be carried out within one month of completion of erection.

**33. TRANSPORT AND RESPONSIBILITY FOR BREAKAGES EN-ROUTE**

33.1 Unless otherwise specified the Purchaser will take delivery of the plant from the place named in the purchase order but the contractor will be responsible for any damage which may be caused to the Plant during transit to the site of erection thereof.

**34. INTIMATION ABOUT DELIVERY**

34.1 If the Purchaser shall have notified the Contractor in writing that the former is not ready to take delivery, no plant or materials shall be forwarded until an intimation in writing shall have been given to the Contractor by the Purchaser that he is ready to take delivery.

**35. ERECTION AND COMMISSIONING**

35.1 In all cases where contracts provide for supervision of erection and commissioning or for test at the Purchaser's premises the Purchaser except where otherwise specified, shall provide free of charge, such labour, materials, fuels, stores, apparatus and instruments as may be required from time to time and as may reasonably be demanded by the contractor to carryout efficiently such supervision of erection and commissioning and for the requisite test. In case of contracts requiring electricity for the completion of erection, commissioning and testing at site, such electricity shall be supplied free to the contractor.

**36. WARRANTY**

36.1 For a period of twelve calendar months after the plant/ machinery/equipment/ instruments has been put into operation (or a suitable mutually agreed longer period to be reckoned from the date of last major shipment depending upon the nature of the plant/machinery/equipment/instrument) the Contractor shall be responsible for any defects that may develop under conditions provided for the contract and under proper use, arising from the faulty materials, design or workmanship in the plant or from faulty erection of the plant by the Contractor, but otherwise and shall rectify such defects at his own cost when called upon to do so by the Purchaser who shall state in writing such defects.

36.2 If it becomes necessary for the Contractor to replace or renew any defective portions of the plant for purpose of rectification under this clause, the provisions of this clause shall apply to the portions of the plant so replaced or renewed under the expiration of six months from the date of such replacement or renewal or until the end of the above mentioned period of twelve months whichever may be the later. If any defects not rectified within reasonable time, the purchaser may proceed to get the work done at contractor's risk and expenses but without prejudice to any other rights which the Purchaser may have against the Contractor in respect of such defects as provided in clause 10.2.4 or 10.2.5.

36.3 All inspections adjustments, replacements or renewals carried out Contractor during the warranty period shall be subject to the same conditions as in the contract.

36.4 Contractor shall, spare parts of equipment before going out of production, give adequate advance notice to the purchaser so that the latter may order requirement of spares in one lot if so desires.

36.5 The contractor shall further guarantee that if spare parts go out of production, will make available blue prints, drawings of spare parts and specifications of material at no cost to the Purchaser, if and when required in connection with the

equipment to enable Purchaser to fabricate or procure spare parts from other sources.

- 36.6 The provision of this clause shall remain effective and binding upon the Contractor even after the completion or expiration of the contract and till the plant/machinery/equipment supplied under the contract is in use by the Purchaser.

### **37. MODE OF PAYMENT**

- 37.1 Unless otherwise agreed to in writing between the Purchaser and the Contractor, payment for the delivery of the material will be made as follows.

**Within 30 days from the date of final acceptance and on receipt of Performance Bank guarantee for 10% of the contract value amount from SBI/nationalized banks or any one of the scheduled banks mentioned in the bracket (Axis Bank, HDFC Bank, ICICI Bank and IDBI Bank) valid throughout the guarantee period mentioned in the contract/purchase order.**

- 37.1.1 In case any of the vendors seek advance or progressive payment prior to delivery of the material, such requests can be considered only in exceptional cases of large value items, in which case the vendor will be required to furnish a bank guarantee for an equivalent amount of the advance/progressive payment sought for, valid till the execution of the contract. The bank guarantee shall be got executed as per the Purchaser's format from the State Bank of India (SBI)/nationalized banks or any one of the scheduled banks mentioned in the bracket (Axis Bank, HDFC Bank, ICICI Bank and IDBI Bank).
- 37.1.2 Besides, the offers of the vendors seeking advance/progressive payment will be evaluated by loading 12% interest charges per annum on the amount of advance desired up to the delivery period quoted.
- 37.1.3 In case any of the vendors seek pro-rata payment for the stores to be supplied they should clearly mention in their offer the maximum number of installments of supply. However, such installment delivery and pro-rata payment will be considered only in respect of contract involving large value and sizeable quantity of the item and the maximum number of installments shall be normally restricted to four. Acceptance or otherwise of this condition is reserved by the purchaser.
- 37.1.4 **Bank Charges:** All bank charges to be borne by the Contractor/Supplier.
- 37.1.5 No correspondence will be entertained within 30 days from the date of receipt of material and bills, whichever is later.
- 37.1.6 **Interest for delay in supply beyond the contractual delivery date:** Wherever advance payments are sought for by the contractor and admitted in the contract, against Bank Guarantee for equivalent amount, in the event of any delay in supply beyond the contractual delivery date for reasons attributable to the contractor, interest charges @ 12% shall be levied for the period beyond the contractual delivery date, on the amount of balance advance payment to be adjusted.

### **38. DELAY IN ERECTION**

- 38.1 Wherever erection of a plant or machinery is the responsibility of the Contractor as a term of the contract and in case the Contractor fails to carry out the erection as and when called upon as to do within the period specified by the Purchaser, the Purchaser shall have right to get the erection done through any source of his choice. In such an event, the contractor shall be liable to bear any additional expenditure that the Purchaser may incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the Purchaser.

**SECTION 'C'**

**TECHNICAL SPECIFICATIONS OF  
STORES AND DRAWINGS**



# TECHNICAL SPECIFICATION

## Specification for LAN Upgradation

### Scope of the work

#### The main components of the proposed upgrade

- 1) 10 Gbps Fiber-optic RING NETWORK connecting the switches in different buildings/ floors.
- 2) Cat6a UTP cable (bandwidth upto 500MHz) based distribution network in different buildings from the LAN switch to the end-user / desktop points. All passive infrastructure will be 10GBASE -T compatible.

#### Execution Mode

- 1) Active components will be provided by the institute as FIM (Free Issue Material).
- 2) Passive components will be supplied by the vendor/ supplier.
- 3) Installation, testing and commissioning of the network, including the active components will be done by the vendor / supplier.
- 4) **The vendor will execute the project on turnkey basis and will be responsible for including and providing all the additional items necessary for commissioning the project, even if they are not specifically mentioned in the quotation.**

#### Important note

1. The work need to be completed within Two months days from the issue of the work order.
2. The quantities mentioned in this BOQ are approximate quantities only. The supplied quantity will be as per the need of the work, and the vendor need to take back extra component not used during the work with their own cost. CPP-IPR is under no obligation to keep the unused/extra components in its store, even if those are mentioned in this BOQ.

## SPECIFICATION/ BOQ

Sl No	Item	Description	Qty*	Unit
1	Installation and commissioning of L2/L3 Managed switches	Installation and commissioning of Managed switches (CISCO 2960 and CISCO SG 300 series) in Racks, including all screws/clamps/hinges etc. (wherever necessary), and LAN connections. <i>*The switches will be provided as FIM.</i>	7	Work
2	19" Cabinet shelf	19"Universal shelf for server racks, full depth (~ 800 mm x 480 mm), fixed, steel, load capacity ~25 KG, including installation.	01	No
3	Supply and installation SFP+ module	Supply and installation of 10GBASE-LR SFP+ Transceiver modules, full duplex, for single-mode optical fiber, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1, upto 10km (LR type). The SFP+ module should be from OEM having valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. Further they must be compatible with the switches mentioned above.	14	Nos
4	Supply and installation SFP module	Supply and installation of 1000Base LX, Single Mode transceiver, 10Km range  The SFP module should be from OEM having valid ISO 9001 & ISO 14001 for design & development for wired & wireless networking products. Further they must be compatible with the switches mentioned above.	04	Nos
5	Single Mode Fiber	1) Armored/Uni-tube/SM/HDPE Sheath with 6 or more fibers, 2) 1310/1550 nm 3) Conforming to ISO 11801, ICE 60793-1/60794 -1-2/ ITU-T REC G.652D standards.	600	Meter
6	Fiber Patch Cord	PATCH CORD LC-SC SM DUPLEX LENGTH-3m	18	No
7	Supply, installation and commissioning of 24 port LIU with railings and pigtails	Supply, installation and commissioning of 24 port LIU, including railings etc as required for fitting in our existing 42U racks. The supply/work will be complete in all respect, including pigtails, splicing, installation, commissioning, testing etc. as required, ALL INCLUSIVE. <b>Specification for the LIU</b> 1) Rack Mountable - 1U 2) Should have Splice Tray & Cable Spool provision inside LIU. 3) Panel cover should be slide out for easy maintenance 4) Removable Rear & Front cover for better	1	No

<b>Sl No</b>	<b>Item</b>	<b>Description</b>	<b>Qty*</b>	<b>Unit</b>
		<p>access to interior of LIU.</p> <p>5) All SC adapters should be Simplex type. Adapters should have compact design &amp; high precision, which perform well under various circumstances &amp; maintain good plug retention strength.</p> <p>6) Should have Telcordia, TIA/EIA and IEC compliance</p> <p>7) Pre- Loaded with all PIGTAILS of required length and specification.</p>		
8	Supply, installation and commissioning of 6 port LIU with pigtails	LIU 6 PORT, with same specification as above (without railings)	7	No
9	Cat6a Cable	<p>CAT6a UTP 23 AWG Multi core copper conductor, with:</p> <p>1) supporting a bandwidth upto 500 MHz,</p> <p>2) Ready for use in 10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T, 10GBASE-T (IEEE802.3)</p> <p>3) TIA-568 category6a ISO 11801 Class EA certified</p> <p>4) RoHS, UL, ETL Certified</p>	5000	Meter
10	Patch panel, 24 port	<p>Rack mountable Patch Panel UTP Fully Loaded cat6a UTP 24 Ports, Complete in all respect, including installation, connections, commissioning and testing etc., all inclusive.</p> <p>1) With cable management bar</p> <p>2) Should accepts Cat5E and Cat6 keystone jacks</p> <p>3) Mounts in standard 19" racks</p> <p>4) UL/RoHS certified</p>	5	Nos
11	Patch panel, 48 port	Same as above, for 48 ports.	2	No
12	cable manager	For our existing 42U rack	1	No
13	wall mounted LAN I/O box	<p>Supply, installation, testing and commissioning of wall mounted LAN I/O box unit, consisting of 10GBASE-T compatible Jack, Face Plate and Back Box etc., complete with fitting and connections/ commissioning, testing etc., all inclusive.</p> <p>1) Wall unit should backward compatible with cat6 and cat5e patch cords.</p> <p>2) Housing should be ABS, UL94V-0 or later standards</p> <p>3) RJ45 Jack should be EIA/TIA 568B.2-10 and IEC 60603-7-51 standards for CAT6a speeds with 50 Micro-inch Gold Plated on plug contact area</p>	126	Nos

Sl No	Item	Description	Qty*	Unit
		4) RoHS compliant components		
14	Cat 6a Patch cords 1 Meter	CAT6a UTP PATCH CORD: Snagless, backward compatible with cat6 and cat5e. 1) PVC UL94V-0 material 2) EIA/TIA 568B.2-10 and IEC 60603-7-51 standard Jack. 3) RoHS complaint, 4) OEM Should be ISO 9001 and ISO14001 certified for design, development for LAN and WAN products	126	Nos
15	cat6a Patch cords 3 meter	Same as for 1-meter Patch cord, with a length of 3 meter.	126	Nos
16	Supply and installation of 9 U rack	Supply and installation of Wall Mount 9U (500 W x 450 D) rack, All Inclusive 1. Lockable Front Glass Door with Lock, 2. 2 pairs of Mounting Rails 3. 1U Cable Manager 4. Equipped with roof Mounted Fan, 5 or 15 Amp Power Distribution Unit, grounding bolts etc., 5. Compatible with the Switches and LIUs being procured/ supplied. 6. OEM should be ISO 9001:2008 Certified 7. should Conforms to DIN 41494 or Equivalent EIA /ISO / EN/CEA Standard	6	Nos
17	Indoor OFC laying	Laying of OFC Indoor, within appropriate conduit/casing.The scope include supply and installation of all necessary materials (conduits, bends, fittings etc.), including laying the OFC.  <i>Cost of OFC not to be included in the price</i>	320	
18	Outdoor OFC Laying I (Underground)	1. The OFC will be laid underground in trenches through 32/26 mm (or larger) silicon coated PLB-HDPE duct (conforming to TEC spec GR No GR/CDS -08/02Nov 2004, IS-1984-1995, 12295(part -9)-1996 for relevant specifications). 2. The underground HDPE piping will at a minimum depth of 165 cm from the surface, 3. The HDPE pipe will protected by ISI marked NP-2 class round RCC pipes of 100 mm or more dia, S&S type. 4. The ends of the various ducts needs to be sealed to prevent rodents from entering the pipes.	100	

Sl No	Item	Description	Qty*	Unit
		<p>The Scope of the work include</p> <ol style="list-style-type: none"> <li>1. Supply and installation/ laying (through digging/ horizontal drilling etc. as required) of all the necessary pipes (HDPE/GI/RCC along with various connectors/bends etc. as applicable), including Laying the OFC through the PLB-HDPE duct.</li> <li>2. The ends of the various ducts need to be sealed to prevent rodents from entering the pipes.</li> <li>3. Acquiring necessary permission from various bodies/ govt. etc. whenever necessary.</li> <li>4. Repairing of Roads, fields and other structures to the pre-installation stage as necessary after the completion of the work.</li> </ol> <p><i>Cost of OFC not to be included in the price.</i></p>		
19	Outdoor OFC Laying II (Overground)	<ol style="list-style-type: none"> <li>1. The OFC will be laid through 32/26 mm (or larger) silicon coated PLB-HDPE duct (conforming to TEC spec GR No GR/CDS -08/02Nov 2004, IS-1984-1995, 12295 (part -9)-1996 for relevant specifications).</li> <li>2. The HDPE piping will be protected by light class (Class -A), ISI marked, GI pipes dia 40 mm or better.</li> </ol> <p>The work includes</p> <ol style="list-style-type: none"> <li>1. Supply and installation of all the required components (HDPE/RCC/GI ducts, bends, end caps etc.), and all workmanship, including Laying the OFC through the PLB-HDPE duct.</li> <li>2. The ends of the various ducts need to be sealed to prevent rodents from entering the pipes.</li> <li>3. Repairing of Roads, fields and other structures to the pre-installation stage as necessary after the completion of the work.</li> </ol> <p><i>Cost of OF Cable not to be included in the price.</i></p>	120	
20	Casing / conduits NEW	<p>Supplying and fitting of casing /conduits in the walls for cat6a/OFC cabling.</p> <p>Casing / conduit has to be ISI marked</p>		
20a		~1" Casing - Capping	400	Meter
20b		~2" Casing Capping	400	Meter

<b>Sl No</b>	<b>Item</b>	<b>Description</b>	<b>Qty*</b>	<b>Unit</b>
20c		32 mm dia 2 mm thickness ISI marked conduit.	50	Meter
21		Cat6a / OFC cable laying through conduit / casing-capping	4800	Meter
22	Removing wires etc. in Existing Casing / conduits	Removing of old LAN cables (inclining wall fitted I/O Boxes) from the existing conduits / casings.	1	Work
23	Warranty	12 months comprehensive (parts + labor, same day response).	1	Work
24	AMC - I	Rate for AMC (comprehensive, same day response, Parts + Labor) For the active components (FIMs)	1	Work
25	AMC - II	Rate for AMC (comprehensive, same day response, Parts + Labor) For the whole network after the expiry of warranty / AMC for the first year.  CPP-IPR reserves its right to accept or reject the offer quoted independent of the acceptance of the main work.	1	Work
26	ADDITIONAL ITEMS	Additional Items not included in the above BOQ, which will be essential for the project, along with quantities and price should be added in a separate sheet below this page.		

# **SECTION 'D'**

## **FORMAT FOR SUBMISSION OF PART-II (PRICE)**

**TO BE SUBMITTED IN A SEPARATE COVER (SELAED)**

# **PART -II**

## **PRICE BID**

TENDER No. CPP-IPR/TPT/PUR/TN/2017-18/42  
DATED 05/12/2017

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Name of work

PGRADATION OF LOCAL AREA NETWORK (LAN) INFRASTRUCTURE AT CPP-IPR



## Proposal Particulars

### ***Instruction to tenderer***

- 1. This document (Price-Bid) shall be duly filled up, signed on every pages and submitted within the due date & time prescribed in the Notice Inviting Tender. The Price Bid shall be submitted in a separate sealed envelope.*
  - 2. Price bid should be submitted for all the works/items together. Price bid submitted for a part of the work is liable to be rejected.*
  - 3. All Prices will be in Indian Rupees.*
- 

1. Name & Address of the Tenderers:

2. Tenderer's proposal no. :

3. Terms of payment sought:

4. Total Amount of the tender:

<b>Item</b>	<b>Rate</b>	<b>Amount in words</b>
Total Cost		
AMC-I		
AMC-II		
Grand total		

Place:

Date:

Signature of Bidder with seal

TENDER No. CPP-IPR/TPT/PUR/TN/2017-18/42  
DATED 05/12/2017

DETAIL BREAKUP OF PRICES

Sl No	Item	Qty*	Unit	Unit Rate				Total Amount (Rs)	Amount in words
				Basic Rate (Rs)	GST %	GST Amount (Rs)	Rate (Incl. GST) (Rs)		
1	Installation and commissioning of L2/L3 Managed switches	7	Work						
2	19" Cabin shelf	01	No						
3	Supply and installation SFP+ module	14	Nos						
4	Supply and installation SFP module	04	Nos						
5	Single Mode Fiber	600	Meter						
6	Fiber Patch Cord	18	No						
7	Supply, installation and commissioning of 24 port LIU with railings and pigtails	1	No						
8	Supply, installation and commissioning of 6 port LIU with pigtails	7	No						

Signature with seal

SI No	Item	Qty*	Unit	Unit Rate				Total Amount (Rs)	Amount in words
				Basic Rate (Rs)	GST %	GST Amount (Rs)	Rate (Incl. GST) (Rs)		
9	Cat6a Cable	5000	Meter						
10	Patch panel, 24 port	5	Nos						
11	Patch panel, 48 port	2	No						
12	cable manager	1	No						
13	wall mounted LAN I/O box	126	Nos						
14	Cat 6a Patch cords 1 Meter	126	Nos						
15	cat6a Patch cords 3 meter	126	Nos						
16	Supply and installation of 9 U rack	6	Nos						
17	Indoor OFC laying	320	Meter						
18	Outdoor OFC Laying I (Underground)	100	Meter						
19	Outdoor OFC Laying II (Overground)	120	Meter						
20a	1" Casing - Capping	400	Meter						

Signature with seal

SI No	Item	Qty*	Unit	Unit Rate				Total Amount (Rs)	Amount in words
				Basic Rate (Rs)	GST %	GST Amount (Rs)	Rate (Incl. GST) (Rs)		
20b	2" Casing Capping	400	Meter						
20c	1.5" dia 1.5 mm thickness ISI marked conduit	50	Meter						
21	Cat6a/ OFC cable laying through conduit / casing-capping	4800	Meter						
22	Removing wires etc. in Existing Casing / conduits	1	Work						
23	Warranty	1	Work						
24	AMC - I	1	Work						
25	AMC - II	1	Work						
26	ADDITIONAL ITEMS								

Signature with seal