



BHARAT HEAVY ELECTRICALS LIMITED
CENTRALISED STAMPING UNIT AND
FABRICATION PLANT, JAGDISHPUR
INDUSTRIAL AREA , JAGDISHPUR (UP),
PIN -227817
Phone & Fax: 05361-270057

TENDER ENQUIRY

Tender Enquiry No: BHE/CSU/CVL/SER/02	Tender Enquiry Date: 28.05.2009	Due Date and Time for Submission of bid: on or before Upto 1400 hrs on 19/06/2009 by hand in tender box or through post/courier at BHEL Office ,CSU & FP- Jagdishpur	Techno-commercial Bid on: 19/06/2009 at 1500 hrs at BHEL Office, CSU & FP, Jagdishpur
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To,
M/s _____

Dear Sir,

BHEL ,FP, Jagdishpur invites sealed tenders in Two parts Bid System along with Pre Qualification Requirement from Bidders, strictly in line with enclosed Terms & conditions (Section I to Section V). Please submit your lowest quotation /offer along with Qualification Requirement for the requirement below by the due date and time.

Item No	Description of Supplies	Quantity	Required Delivery period
1	Supply, installation, testing and commissioning of Local Area Networking (LAN) system	As per price schedule	Supply: Within 6 weeks from date of LOI. Installation, testing & Commissioning Period at BHEL Works: 4 weeks from the mobilization date as per letter issued by BHEL informing readiness for installation.

NOTES: 1.) Bid security = Rs 40,000/- (refundable, non-interest bearing) & Tender document cost = Rs 500/- (non-refundable) payable as per Cl. D & E of this NIT.

2.) Please visit our website at www.bhel.com for details of NIT.

Enclosures To Tender Enquiry :

- Section I: General Conditions of Contract(GCC-A & GCC-B)- Along with Annexure 1 to 7
- Section II: Special Conditions of Contract (SCC)- along with Annexure-I & II of SCC
- Section III: Price Schedule
- Section IV: Technical Specifications
- Section V : Qualifying Requirement (Eligibility criteria)

IMPORTANT:

A. Submission of Bid Documents & its Qualification:

1. Bidder shall submit offer in Three (3 Nos.) sealed and signed Envelopes as per details attached at Annexure-B. All the above three sealed envelopes shall then be placed in a bigger sealed envelope. The tender enquiry no. & due date of opening must be clearly mentioned on top of the envelope.
2. Initially, Envelop-1 i.e., Qualification Requirement (Section-V) and techno-commercial bid (Section- I, II and IV) containing technical details along with commercial offer duly filled signed and stamped shall be opened on due date and time as specified above.

B. The complete Tender Document (**Section I to V**) are hosted in this web page and can be downloaded from BHEL site www.bhel.com under the head "TENDER NOTIFICATION".

C. Interested Bidders may also obtain Tender Document from the office of undersigned .

D. Cost of Tender Document – Tender documents (non transferable) shall be issued on submission of demand draft towards cost of tender document as per NIT upto 17/06/2009 on all working days between 9 Hrs to 16:30 Hrs. Tender enquiry no. and description of supplies should be clearly indicated in the request letter for issue of tender documents. Tender documents can also be downloaded from the web site www.bhel.com . In such cases cost of tender documents shall have to be paid by demand draft at the time of offer submission.

E. Bid Security – The **bid security of Rs 40,000/-** shall be deposited as Earnest Money Deposit which shall be paid by a Demand Draft in favour of Bharat Heavy Electricals Limited, payable at Industrial Area Jagdishpur or, at Lucknow along with the bid in separate sealed envelop.

F. All corrigenda, addenda, amendments and clarifications to this tender will be hosted in this web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.

G. BHEL reserves the right to go for Reverse Auction (on line bidding on Internet) instead of opening the submitted sealed paper price bid as per CI 32 of GCC-Part A. Any bidder who do not accept the processing of price bids through Reverse Auction as per point-16 of Annex-I (checklist) of SCC are liable for rejection.

INSTRUCTIONS: Read 'Annexure-A' and 'Annexure-B' enclosed. Quotation not in accordance with the instructions is liable to be disqualified and ignored.

Yours Sincerely'

For & on behalf of

Bharat Heavy Electricals Limited

Ramnik Sarbahi

Sr Manager/Projects

CSU & FP, BHEL, Jagdishpur Industrial area, Distt Sultanpur (UP) PIN 227817:

ANNEXURE –A

1. Price bids offer shall be opened of only those vendors who meet Qualification Requirements (QR).
2. The offers of disqualified vendors in QR shall not be opened.
3. VALIDITY: The Bid shall be valid for acceptance for 6 (six) months from the date of the opening of the Bid Part-I (Techno-commercial)
4. Address for submission and opening of Tender Document with Pre Qualification Requirement:

Sh Ramnik Sarbahi, Sr Manager/Projects
Centralised Stamping Unit (CSU) & Fabrication Plant (FP)
Bharat Heavy Electricals Limited
Jagdishpur Industrial Area
Jagdishpur
Distt Sultanpur (UP) PIN: 227 817

Tel : 05361 270057
Fax : 05361 270057
Email: ramnik@bhelepd.com and ramnik_sarbahi@yahoo.com
5. Offers without Bid Security & cost of tender shall liable to be rejected.
6. Offers with deviations from terms and conditions of the tender shall attract Loading & may not be considered.
7. BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post.
8. BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation, or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no bidder shall have any claim arising out of such action by BHEL.
9. Two separate orders shall be placed on the successful bidder- One for the supply of Equipment on FOR BHEL Jagdishpur site basis and other for Installation , testing & Commissioning and related site services, if required.

PROCEDURE AND CHECKLIST FOR BID SUBMISSION

1. **Envelope-1:** (Superscripted with “Techno-commercial Bid- Part-I”, Tender Enquiry No., Date, Due date and complete address of the Vendor.

YES/NO

i.	Tech Specification	
ii.	Schedule of Technical Deviation	
iii.	Schedule of Commercial Deviation.	
iv.	Unpriced copy of Price Bid (Sec-III).	
v.	List of Bought out Items (BOI) (if any) with make	
vi.	One duplicate copy of all the above items i.e. Sr. i. to v.	

2. **Envelope-2:** (Superscripted with “Price Bid- Part-II”, Tender Enquiry No., Date, Due date and complete address of the Vendor.

Signed and sealed Price Bid in given format in sec-III of Tender document only along with Annexure-2 of SCC with price.	
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3. **Envelope-3:** (Superscripted with “Tender Cost and Bid Security”, Tender Enquiry No., Date, Due date and complete address of the Vendor.

i.	Tender document cost & Bid Security amount in form of Demand draft (Amount given in NIT)	
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Note:

- Each and every page of Offer submitted should be sealed and signed by the bidder who could be Original Equipment Manufacturer (OEM) or their authorized dealers.
- Above Three Envelops should be contained in One Sealed Envelope superscripted with Tender Enquiry No., Date, Due date of submission and Complete address of the Vendor.

Please attach this Checklist duly marked ‘Yes’ or ‘No’ with Tender Document.

SECTION- I

GENERAL CONDITIONS OF CONTRACT

PART - A

GENERAL TERMS AND CONDITIONS

1. DEFINITION OF TERMS

Throughout the Tender Documents including the Enquiry Letter, the following words shall have the meanings assigned to them herein, unless the subject matter or the context requires otherwise.

- 1.1. The '**Purchaser**' or '**BHEL**' shall mean Bharat Heavy Electricals Limited (A Govt. of India Undertaking) incorporated under the Companies Act 1956 acting through its unit – Centralised Stamping Unit (**CSU**) or Fabrication plant (**FP**), BHEL , Jagdishpur Industrial area, Jagdishpur (UP), which expression shall include its successors and assigns.
- 1.2. The '**Tenderer**' shall mean the Firm/ Company/ Organisation, which quotes against the Tender Enquiry issued by the Purchaser. It may also be referred as '**Bidder**'.
- 1.3. The '**Supplier**' shall mean the Firm/ Company/ Organisation with whom the Order/ Contract is made and shall be deemed to include his successors, representatives, heirs, executors, administrators and permitted assigns, as the case may be. It may also be referred as '**Contractor**' or '**Vendor**'.
- 1.4. The '**Sub-contractor**' shall mean the person/ firm/ company/ organisation to whom any part of the work has been sub-contracted by the Supplier, with the written consent of the Purchaser and shall include his heirs, executors, administrators, representatives and assigns.
- 1.5. The '**Engineer**', for the purpose of this Contract shall mean an engineer, person or company duly appointed as such from time to time or such other officials as may be duly authorised and appointed and notified in writing by purchaser to act as engineer. In cases where no such Engineer has been so appointed, the word 'Engineer' shall mean the Purchaser or his duly authorised representative.
- 1.6. The '**Equipment**' shall mean and include plant and stores and materials to be provided by the Supplier under the Contract.
- 1.7. The '**Specification**' shall mean the specifications contained in the Tender Documents and any subsequent modifications thereof and the drawings, schedules etc. attached thereto, if any.
- 1.8. The '**Offer**' shall mean and include the technical and commercial documents

including specifications, schedule of prices and quantities, drawings etc submitted by the Tenderer in response to the tender enquiry and any subsequent clarifications thereof. It may also be referred as '**Bid**'.

- 1.9. '**Acceptance of offer**' shall mean issue of letter of intent/ award or memorandum or detailed Order/ Contract communicating the acceptance of offer by the Purchaser to the successful Tenderer.
- 1.10. The '**Contract**' shall mean and include the general conditions, bidding conditions, special conditions, specifications, schedules, drawings, form of tender, Offer, covering letters, schedule of prices and quantities, letter of intent/ award of the Purchaser, any special conditions applicable to the particular Order and subsequent amendments. It may also be referred as '**Order**' or '**Purchase order**'.
- 1.11. The '**Contract Price**' shall mean the total price to be paid by the Purchaser to the Vendor for the supply & services to be provided by the Vendor to the Purchaser as per Contract. It may also be referred as '**Order Value**'.
- 1.12. The '**Site**' shall mean the site of the proposed work at Fabrication Plant (FP) of BHEL at Jagdishpur Industrial Area, disttt, Sultanpur – 227817 (U.P), India.
- 1.13. The '**Inspector**' shall mean the Purchaser for the time being or such other person as may be duly authorised and appointed in writing by Purchaser to act as Inspector for the purpose of Contract.
- 1.14. '**Approved**' shall mean the approval of the Engineer or of the inspector as the case may be in writing.
- 1.15. '**Test on completion**' shall mean such tests as are prescribed by the specifications and/ or tests mutually agreed upon by the Purchaser and the Supplier, to be performed by the Supplier after Installation of the equipment to establish satisfactory operation as required by the specifications.
- 1.16. '**Commissioning**' shall mean the first operation of the equipment after all initial adjustments, trials, cleaning and re-assembly required at site, if any, have been completed and equipment is made ready for commercial use.
- 1.17. '**Performance Tests**' shall mean the tests to be conducted on the equipment at site for checking the performance parameters of the equipment as defined in Technical Specification.
- 1.18. '**Commercial use**' shall mean that use of the equipment, which the Contract contemplates or of which it is to be commercially capable.
- 1.19. '**Acceptance of Equipment**' shall have the meaning as specified elsewhere in this document.
- 1.20. '**Consignee**' shall mean the official(s)/person(s) to whom the Equipment is required to be delivered in the manner indicated in the Purchase Order.

- 1.21. **‘Contract Engineer’** shall mean the official who has signed the Order/ Contract on behalf of the Purchaser.
- 1.22. **‘Site Engineer’** shall mean officer of the Purchaser as may be duly appointed and authorised in writing by the purchaser to act as the Site Engineer on his behalf.
- 1.23. **‘Months’** shall mean calendar months.
- 1.24. **‘Days’** shall mean calendar days.
- 1.25. **‘Writing’** shall include any manuscript, typewritten or printed statement under or over signature, seal as the case may be.

The words incorporating singular shall include plural and vice-versa, in the words importing masculine gender shall include feminine and vice-versa and the words importing persons shall include bodies corporate, limited liability companies, partnership and other legal entities.

2. SUBMISSION OF TENDER

2.1. General

- 2.1.1. The tender shall be addressed to the official as specified in the Tender Enquiry and shall be submitted with one original and two copies.
- 2.1.2. Sealed Tenders may be submitted personally, by Courier or by registered post with due allowance for any transit/ postal delay. The tenders received after due date and time of opening are liable to be rejected. Telegraphic offers and offers received by telex/ fax may not be considered unless confirmed in writing by a detailed offer.
- 2.1.3. The Tenderer shall closely peruse all the clauses, specifications and drawings indicated in the Tender Documents before quoting. Should the Tenderer have any doubt about the meaning of any portion of the Tender Specifications or find discrepancies / omissions in the drawings or the tender documents issued are incomplete or shall require clarification on any of the technical aspect, scope of work etc., he shall at once contact the authority inviting the tender for clarification before submission of the tender. The specifications and terms and conditions shall be deemed to have been accepted unless otherwise specifically commented upon by the Tenderer in his Offer.
- 2.1.4. Tenderer must fill the schedules and furnish all the required information as per the instructions given in various sections of the tender specification. Each and every page of the offer must be signed, stamped and submitted by the Tenderer. The information furnished shall be complete by itself.

- 2.1.5. The tender shall quote the rates in English Language using international numerals. These rates shall be entered in figures as well as in words. For the purpose of the tender, the metric system of units shall be used.
- 2.1.6. All entries in the tender shall either be typed or be written in ink. Erasures and overwriting are not permitted and may render such tenders liable to summary rejection. The Tenderer shall duly attest all cancellations and insertions.
- 2.1.7. The Offer shall be signed by a person who has requisite authority from the Tenderer to do so. A copy of such authority (Power of Attorney) shall be enclosed with the Offer.
- 2.1.8. Standard pre-printed conditions of the Tenderer attached to the offer will not be accepted and only those mentioned in the body of his offer will be considered.
- 2.1.9. Any deviation from the tender conditions being sought by the bidder shall be clearly specified in the schedule of deviations enclosed as Annexure-4 of GCC-A (for technical part) and Annexure- 5 of GCC-A (for commercial part). No other conditions shall be acceptable unless the same is specified in the schedule and is specifically agreed by the Purchaser.

2.2. Two Part Bids

- 2.2.1. Bidders shall submit the offer in three inner envelopes (covers) and one outer envelop (cover) as indicated below.
- 2.2.2. **Envelope I:** This sealed envelope should contain all the copies of technical & commercial bid together with price formats (without prices). This envelope should be clearly marked “**Part I - Technical and commercial bid**”, indicating Tender No., Due Date and Name-Address of the Bidder.
- 2.2.3. **Envelope II:** This sealed envelope should contain only **price formats with prices**. This envelope should be clearly marked “**Part II - Price bid**”, indicating Tender No., Due Date and Name-Address of the Bidder.
- 2.2.4. **Envelop III:** This sealed envelop should contain Demand Draft for cost of Tender if not submitted earlier, and bank Guarantee for bid security. This envelope should be clearly marked “**Envelop III**”, indicating Tender No., Due Date and Name-Address of the Bidder. The Envelop III shall be opened first . If any vendor has not submitted Bid Security & cost of Tender then their Part-I Bid shall not be opened
- 2.2.5. All the envelopes shall be put in one envelop, duly sealed, super scribed as Part I and Part II of Enquiry No., due date of opening, name & address of the officer inviting Tender and the address and Name-Address of the Bidder.

2.3. Part I – Technical and Commercial Bid

2.3.1. Technical

This part shall include / indicate the following:

- 2.3.1.1. Complete scope of supply with all technical details and other terms and conditions.
- 2.3.1.2. Point by point confirmation for the Technical Specification in the specified format. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specification will be rejected.
- 2.3.1.3. List of customers to whom same or similar equipment have been supplied along with performance certificates.
- 2.3.1.4. Relevant catalogues.
- 2.3.1.5. List of recommended spare parts (with part numbers) for two years normal operation and maintenance.
- 2.3.1.6. Information on shipping weight and cubage (length, width & height).

2.3.2. Commercial

This part shall include / indicate the following:

- 2.3.2.1. Port of shipment / Station of dispatch
- 2.3.2.2. Terms of payment
- 2.3.2.3. Taxes & duties applicable.
- 2.3.2.4. Delivery Schedule
- 2.3.2.5. Offer validity
- 2.3.2.6. Country of origin
- 2.3.2.7. Percentage of agency commission payable to Indian Agent, if any, along with a copy of the Agency Agreement.
- 2.3.2.8. **A copy of “Un-Priced Part II” i.e., a copy of the Price Bid without price particulars. Instead of the price, the Tenderer shall write ‘quoted’ against the item for which price have been quoted in the Price Bid.**

2.4. Part II (PRICE- BID)

This part should contain the price particulars as per the price schedule format specified by BHEL.

3. OPENING OF TENDERS

- 3.1. Authorised officer of BHEL at his office shall open tenders of qualified vendors at the time and date as specified in the tender notice in the presence of such of those Tenderers or their authorised representative who may be present. However, The Purchaser reserves the right to open the tenders in-camera.
- 3.2. The envelop III will be opened first. Tenders received without the demand draft for cost of Tender, as required, and Bid Security in the form of bank guarantee will be rejected and Part I of Bid will not be opened.
- 3.3. The Part I - Technical & commercial bid alone would be opened on the Tender opening date.
- 3.4. The Part II - Price bid of only those Bidders who have been found to be techno-commercially suitable would be opened at a later date. These Bidders would be informed about the tender opening date.
- 3.5. Clarifications, if any, required by BHEL for technical and commercial evaluation may be sought from Bidders before opening of Part II - price bid.
- 3.6. In case it becomes necessary for the Tenderer to make any changes in his original price bid (Part-II) on account of technical/ commercial confirmations/ clarifications, against the changes advised by the purchaser to bring the offer in line with the requirement of the specifications, the impact of such changes on price shall be submitted in the form of a revised price bid, if asked for by the Purchaser.
- 3.7. If a revised price bid has been submitted, normally only the final revised price bid shall be opened. However, BHEL reserves the right to open the earlier price bids, if required.
- 3.8. Any revision or changes in quoted prices and/or conditions of offer made after tender opening, which will give benefit to the Tenderer over others, may result in rejection of the tender.

4. QUALIFICATION OF TENDERERS (For Open Tender):

- 4.1. Details of Qualification Requirements (Technical) are given in Technical Specifications Section IV & in Section V. For commercial requirement, separate qualifying data sheet and Eligibility Criteria Enclosed (for Indian/ Foreign Bidders). These sheets (Data Sheet & Eligibility Criteria) are to be filled and to be sent to BHEL for scrutiny. Qualified Bidders shall be intimated. Only qualified Bidders shall be eligible to participate in the bid. **Refer Section V of Tender.**
- 4.2. Only Tenderer who has previous experience in the work of this nature and description detailed in this tender specification are expected to quote for this

work. Offer from Tenderer who does not have proven and established experience in the field is not likely to be considered.

- 4.3. Tenders will be accepted from the equipment manufacturers and their authorised dealers only.

5. VALIDITY OF OFFER

- 5.1. The offer shall be open for acceptance from the date of opening of tender part - I for a period as specified in Tender Enquiry. In case the Purchaser calls for negotiations, such negotiations shall not amount to cancellation or withdrawal of the original offer, which shall be binding on the Tenderer.

6. REJECTION OF TENDER AND OTHER CONDITIONS

- 6.1. The acceptance of Tender will rest with BHEL which does not bind itself to accept the lowest tender or any tender and reserves to itself full rights to reject any or all the Tenders without assigning any reason whatsoever.
- 6.2. Conditional and unsigned tenders, tenders containing absurd or unworkable rates and amounts, tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions, specifications, etc., are liable to be rejected.
- 6.3. If the Tenderer deliberately gives wrong information in his tender, Purchaser reserves the right to reject such tender at any stage or to cancel the Contract, if awarded and forfeit the Bid Security / Contract Performance BG /any other moneys due.
- 6.4. Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the Tenderer who resorts to canvassing are liable to be rejected.

7. EVALUATION OF OFFERS

- 7.1. Evaluation of offers shall be on the basis of delivered cost at project Site i.e. total cost to the Purchaser, taking into consideration loadings, if any, and all available financial advantages.
- 7.2. Deviations (Commercial as well as Technical) from the Tender Specifications are generally not acceptable. However, if any deviation is considered by the Purchaser, the same shall be loaded for comparison, while evaluating the offer.
- 7.3. Loading criteria in respect of the deviations shall generally be on the principle of time and value of money in respect of commercial deviations, and similar quantification – as may be decided by the Purchaser – in respect of technical deviations.
- 7.4. Loading criteria in respect of the deviation(s) shall be communicated to the concerned Bidder(s) before Price Bid opening. If a Bidder unconditionally withdraws any deviation before Price Bid opening, the same shall not be loaded.

- 7.5. Rates of Exchange taken for conversion of foreign currency to Indian Rupees for the comparison of bids shall be the inter bank TT selling rates of State Bank of India as at the close of business on the date of opening of Tender Part -I.
- 7.6. The Purchaser reserves its right to negotiate with the Bidder and/ or go for reverse auction.
- 7.7. The Purchaser reserves its right to allow to the Public Sector Enterprises ordering and price preference facilities as admissible under the prevalent policy of the Govt. of India.

8. LETTER OF INTENT

- 8.1. The Purchaser shall issue a Letter of Intent for award of work to the successful Tenderer as soon as his Bid has been accepted giving brief details of the equipment and other terms & conditions.
- 8.2. Detailed Purchase Order will be issued by the Purchaser normally within 2 to 4 weeks from the date of award of work (Letter of Intent).
- 8.3. The Letter of Intent/ Purchase Order shall be issued in the name of Bidder only.

9. EFFECTIVE DATE OF CONTRACT

- 9.1. The responsibility of successful Tenderer under this Contract commences from the date of issue of the Letter of Intent by the Purchaser.
- 9.2. The Effective Date of Contract shall be the date of issue of the Letter of Intent.

10. PRICES

10.1. Fixed price

- 10.1.1. Prices quoted by the bidder shall be fixed and not subject to any variation whatsoever during the period of Bid validity and execution of the Purchase Order. A Bid submitted with an adjustable price will be treated as non -responsive and rejected.
- 10.1.2. Prices shall be written in words and figures. The discrepancy in quoted price, if any, shall be corrected as follows:
- If there is a discrepancy between words and figures, the amount given in words shall prevail.
 - If there is a discrepancy between the unit price and total price which is obtained by multiplying the unit price and quantity, the unit price shall prevail.
 - If there is a discrepancy between the sub-total price and total price which is obtained by adding the various sub-total prices, the sub-total price shall prevail.

- The Order will be issued on the corrected price or the quoted price for the complete scope of work (whichever is lower).

10.2. Bid currency

- 10.2.1. Indian bidders should quote the prices only in Indian Rupees.
- 10.2.2. Foreign bidders may quote the prices in their home currency, US Dollars or Euros (any one) and Indian Rupees.

10.3. Taxes and Duties

- 10.3.1. All Taxes and Duties payable as extra to the quoted price should be specifically stated in offer. Purchaser will not be liable for payment of Taxes and Duties not specifically mentioned in the offer.

11. DELIVERY

- 11.1. Bidders are required to quote their best delivery period.
- 11.2. Foreign Bidders should submit their offer on FOB Nearest Sea Port / FCA Nearest Air Port basis as per Inco-terms 2000 for foreign supplies and on FOR Site (BHEL-Jagdishpur) basis for indigenous supplies.
- 11.3. Indian Bidders should submit their offer on FOR Site (BHEL-Jagdishpur) basis.
- 11.4. Delivery shall be counted from the date of Letter of Intent.
- 11.5. Date of dispatch for Indian supplies (RR/ GR date) and date of shipment (Bill of Lading, Air Way Bill date) for foreign supplies shall be treated as date of delivery.
- 11.6. The title of goods shall pass on to the Purchaser on FOB Nearest Sea Port / FCA Nearest Air Port for foreign goods and on FOR dispatching station dispatch for domestic goods.

12. VALIDITY OF OFFER:

Offers are to be kept valid for **Six months** from the date of opening of Part-I Bid (Techno-commercial)

12. COMPLETENESS OF THE EQUIPMENT

- 12.1. The Equipment shall be complete in every respect with all mountings and testing and fixtures and standard accessories, which are normally supplied. The Supplier shall not be eligible for extra payment in respect of such mountings, fittings, fixtures and accessories which are needed for efficient and safe operation of the Equipment.
- 12.2. All similar components or parts of similar equipment supplied by the Seller

shall be interchangeable with one another.

13. TOOLS, CONSUMABLES AND SPARE PARTS

- 13.1.** The Tenderer shall provide installation, commissioning and maintenance tools and tackles at no additional cost, unless otherwise stated in the Tender Documents.
- 13.2.** The Tenderer shall provide commissioning spares and consumables at no extra cost to the Purchaser.
- 13.3.** Mandatory/ recommended spares for two years operation shall be quoted item wise.

14. TERMS OF PAYMENT

14.1. Indian Bidders

- 14.1.1. The terms of payment shall be as per Special Conditions of Contract.

14.2. Foreign Bidders

- 14.2.1. The terms of payment shall be as per Special Conditions of Contract.

14.3. Tax Deduction at Source

- 14.3.1. Installation and commissioning charges will be released after deduction of Income Tax as per the Govt. of India rules in force. The Tax Deduction at Source (TDS) certificate will be issued by BHEL. Service Tax on E&C charges will be payable extra, if applicable. The liability of depositing the same to the Govt. will be of the Supplier.

14.4. MODVAT credit (for Indian Bidders only)

- 14.4.1. The price bid must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case charged to us. If the Vendor is availing MODVAT credit for his input materials, the effect of proforma credit should be passed on to the Purchaser.

14.5. Bank Charges

- 14.5.1. All bank charges for negotiation of documents through bank shall be to the account of the Seller.
- 14.5.2. No interest, whatsoever, shall be payable by Purchaser on the security deposit, any bank guarantee submitted or any amount due to the Seller by the Purchaser.

15. INVOICES AND PAYMENT DOCUMENTATION

- 15.1. Invoices shall be issued by the Supplier in the name of the Purchaser.
- 15.2. The invoices shall contain the following information:
- i) Project name
 - ii) Item no, quantity and description of equipment as per Purchase Order.
 - iii) Gross amount payable and net amount payable.
- 15.3. The following documents shall be presented by the Supplier to the Purchaser for drawing payment:
- i) Signed Commercial invoice in quadruplicate.
 - ii) Clean on board Bill of Lading/ Airway Bill (for foreign Suppliers)/ LR (or equivalent document (for Indian Suppliers)
 - iii) Packing list indicating dimensions of each case / bundle / piece shipped, with weight and number of items it contains.
 - iv) Manufacturer's Inspection / Test certificate
 - v) Certificate of Country of Origin, issued by an independent third party like Chamber of Commerce (for foreign Suppliers).
 - vi) Manufacturer's Guarantee / Warrantee certificate as per Purchase Order.
 - vii) Declaration by the Supplier certifying that the contents in each case are not less than those entered in the invoices / packing list and that the invoicing for the supplies effected is strictly in accordance with agreed rates as stipulated in the Purchase Order.
 - viii) Certificate from shipping company or its agent that the vessel is seaworthy and approved by Lloyds / Classification Societies / General Insurance Corporation of India (for foreign Suppliers).
 - ix) Material Despatch Clearance Certificate (MDCC) from Purchaser.
- 15.4. For foreign supplies, all documents shall show Purchase Order No and date, Import License No and date (if any) and Letter of Credit No and date. Loading on deck and trans-shipment will not be allowed.
- 15.5. The complete system shall be despatched in lots as per each item description of supply mentioned in price bid . If, for any reason, a Vendor wants to despatch the equipment in more than one lot, it shall be only after written approval of the Purchaser. For this purpose, the Vendor shall submit to Purchaser a detailed list of items proposed to be despatched in various lots with price break-up for approval of the Purchaser.
- 15.6. Detailed procedure for preparation and submission of payment documentation will be provided by the Purchaser at a later stage.

16. SECURITIES

- 16.1.** The Vendor is required to submit the following bank guarantees as security in the form and manner specified below. The amount of Bank Guarantee shall be as per Special Conditions of Contract. The Bank Guarantees are to be

established through any of the Schedule Bank .

16.2. Bid Security :

- 16.2.1. Every tender must be accompanied by Bid Security of specified amount of refundable, non-interest bearing Earnest Money Deposit. The amount of EMD and the manner in which it is to be deposited shall be as per Notice Inviting Tender.
- 16.2.2. Tenders received without Bid Security in full in the manner prescribed above will not be considered.
- 16.2.3. The Bid Security of the successful Tenderer will be returned after submission of Contract Performance Bank Guarantee.
- 16.2.4. In the case of unsuccessful Tenderers, the Bid Security will be refunded to them after finalization of the Order.
- 16.2.5. BHEL reserves the right of forfeiture of Bid Security in case the Tenderer :
 - a) After opening of Tender, revokes/withdraws his tender within the validity period or revises/alters his earlier quoted rates/conditions.
 - b) Fails to communicate unqualified acceptance of Letter of Intent within 7 days from the date of issue of Letter of Intent.
 - c) Fails to submit Contract Performance BG within 1 month of issue of Letter of Intent.
 - d) Fails to start the work as may be indicated in the Letter of Intent.

16.3. Contract Performance Bank Guarantee

- 16.3.1. The successful Tenderer shall furnish a Contract Performance Guarantee (CPBG) of the specified amount confirming that the Contract will be executed as per the terms and conditions and the CPBG should be valid till the Acceptance of Equipment at Purchaser's works (after completion of installation and commissioning and successful performance test) with a further claim period of two months. The Contract Performance Bank Guarantee shall be submitted as per proforma given in Annexure 2 of GCC – A.
- 16.3.2. The Contract performance Guarantee will be released to the Vender after receipt of Performance Bank Guarantee.

16.4. Performance Bank Guarantee

- 16.4.1. The Vendor shall furnish a Performance Guarantee (PBG) of the specified amount confirming that necessary service and maintenance support and guarantee replacements will be provided during the

guarantee period. The PBG shall be valid up to end of the guarantee period with additional claim period of 2 months. The PBG shall be submitted as per proforma given in Annexure 3 of GCC – A.

16.5. For All Bank Guarantees

- 16.5.1. The BGs shall be established through a bank in India acceptable to the Purchaser.
- 16.5.2. All charges for establishing and amending the BGs, if necessary, shall be to Vendor's account.

17. PENALTY FOR DELAY

- 17.1. The delivery of Equipment specified in the Purchase Order should be made within the time prescribed for completion of scope of work. Failure to complete the work in time as per the delivery specified in the Purchase Order would make the Vendor liable to an un-conditional penalty as per details given in the Special Conditions of Contract.

18. RISK PURCHASE

- 18.1. If the Vendor is found to be not in a position to execute the Order in time, the Purchaser, at his option, will be entitled to terminate the Contract and to purchase and/ or complete the work from elsewhere at the risk and cost of the Vendor either the whole of the goods or any part which the supplier has failed to deliver/ despatch or complete the work within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor.

19. PURCHASER'S RIGHT OF REJECTION

- 19.1. Notwithstanding any approval which Purchaser or the Engineer may have given in respect of the Equipment or any materials or other particulars or the work or workmanship involved in the performance of the Contract (whether with or without any test carried out by Seller or the Inspection Agency or under the direction of the Contract Engineer), and notwithstanding delivery of the Equipment where so provided to the Purchaser, the Purchaser shall be entitled to reject the Equipment or any part, portion or consignment thereof, if such Equipment or part, portion of consignments thereof is not in all respects in conformity with the terms and conditions of the Contract whether on account of any loss, storage, deterioration or damage before dispatch or delivery or during transit or otherwise, whatsoever.
- 19.2. Rejected goods or materials shall be removed by the Seller from the Site. The expenses to be incurred in respect thereof shall entirely be borne by the Seller.

20. INDIAN AGENT & AGENCY COMMISSION (FOR FOREIGN BIDDERS)

- 20.1. Offers from Indian agents on behalf of their principals (Foreign Manufacturers) will not be accepted.

- 20.2. An Indian Agent can represent only one Foreign Manufacturer against a particular Tender.
- 20.3. Agency commission, if any, payable to the Indian Agents, shall be shown separately in the offer (Section III-Price Schedule). This will be paid in Indian Rupees, on satisfactory completion of the Contract. Copies of current Agency Agreement / Authorization Letter in respect of Agency Commission shall be furnished along with offer. For calculation of Rupee equivalent of Agency Commission, exchange rate as prevailing on the date of Part-I bid opening date. In the Price schedule Format Agency commission to be clearly mentioned.

21. SHORT SHIPMENT / GUARANTEE REPLACEMENT

- 21.1. Any shortages or damages during transit, transportation or handling at site, including at the time of installation and commissioning, shall be made good by the Seller/ Contractor at his risk and costs, to meet the project schedule. In case of faults/ discrepancies in any material, component, sub-assembly, assembly, etc., the same shall be supplied/ replenished free of cost to enable the equipment to be put in service. Shortages in sound cases shall also be replenished free of cost.
- 21.2. In case of foreign supplies, customs duty (including any other duties and surcharges) levied in India on such supplies shall be borne by the Vendor. All such supplies shall be on FOR Site (Jagdishpur) basis and all taxes and duties shall be borne by the Vendor.
- 21.3. Any replacements during the guarantee period shall be on FOR Site (Jagdishpur) basis and all taxes and duties (including customs duty) shall be borne by the Vendor.

22. INSPECTION AND TESTING

- 22.1. The Engineer/ Inspector shall have at all reasonable time, access to the Supplier's premises or Works and shall have the power at all reasonable times to inspect drawings or any portion of the plant or examine the materials and workmanship of the machine during its manufacture and if parts of the machine is being manufactured in other premises, the Supplier shall obtain permission for the Engineer/Inspector permission to inspect such equipment.
- 22.2. The Supplier shall give the Engineer/Inspector 7 day's written notice of Equipment being ready for testing. Such tests shall be to the Supplier's account except for the expense of the Inspector and the Engineer/Inspector. Unless the inspection of the tests is virtually waived, the Inspector /Engineer shall attend such tests within 7 days of the date on which the plant is notified as being ready, failing which visit, the Supplier may proceed with the tests which shall be deemed to have been made in the Inspector's presence and he shall forthwith forward to the Inspector duly certified copies of the tests in triplicate. The equipment on which witnessing of tests is required, shall

be mutually identified and agreed.

- 22.3. When the factory tests have been completed at the works of the Vendor or Sub-Vendor, the Engineer/Inspector shall issue a certificate to this effect within fifteen days after completion of tests. If the tests are not witnessed by the Engineer/Inspector, the certificate shall be issued after receipt of the Supplier's test certificate by the Engineer/Inspector. The completion of these tests or issue of the certificate shall not bind the Purchaser to accept the equipment should it, on further tests after installation, be found not to comply with the Contract.

23. COUNTRY OF ORIGIN :

Vendor to mention Country of Origin of equipments from where it will be supplied

24. PACKING

- 24.1. The Supplier shall include and provide for secure protection and packing for the plant so as to avoid damages in transit to Site under proper conditions and he shall be responsible for all losses or damages caused or occasioned by any defect in packing.
- 24.2. The Equipment shall be packed in suitable strong cases wherever essential. Large article such as bed plates which are not packed in cases, shall have all screwed holes plugged suitably and machined surfaced properly protected.
- 24.3. Weight and dimension limitation for transport shall be followed.

25. QUALITY OF MATERIALS

- 25.1. The plant shall be manufactured and constructed in the best workman like manner and with materials of the best or of approved qualities for their respective uses.
- 25.2. A Quality Assurance Plan shall be submitted by the Vendor to the Purchaser giving details of manufacturing and testing standards and procedures for major equipment for his approval.
- 25.3. Vendor shall purchase the bought out items only from vendors of repute and indicate the same to the Purchaser at the time of approval of drawings. Purchaser reserves the right to approve/ reject such vendors and visit / inspect the works of vendors and that of their sub-contractors before or after placement of order.

26. DESIGN IMPROVEMENT

- 26.1. The inspector or the Supplier may propose changes in the specification of the plant or quality thereof and if the parties agree upon any such changes the specifications shall be modified accordingly.
- 26.2. If any such agreed upon change is such that it affects the price or delivery, the parties shall agree in writing as to the extent of any change in the price and/or delivery or both, before the Supplier proceeds with the change.

27. DRAWING / DATA APPROVAL

- 27.1. Any drawing / data approval required from BHEL after placement of order shall be the responsibility of the Vendor and any delay on account of the same shall be the responsibility of the Vendor and will have no bearing on delay in delivery or applicable penalty.

28. ACCEPTANCE OF EQUIPMENT

- 28.1. The Equipment will be accepted by the Purchaser after installation, testing and commissioning of the Equipment at Site and after completion of following activities.
- 28.1.1. All components and sub-assemblies of the Equipment have been properly assembled and tested.
 - 28.1.2. All facilities necessary for the safe and reliable operation of the Equipment have been properly installed and adjusted.
 - 28.1.3. The equipment can be safely placed in operation for its intended use.
 - 28.1.4. Spares, service tools and manuals have been delivered to the Purchaser.
 - 28.1.5. On site training of the Purchaser's personnel have been completed as per Contract.
 - 28.1.6. As built Drawing to be submitted along with 5 sets of Operation and Maintenance Manuals.
- 28.2. A letter of Acceptance of Equipment shall be issued by the Site Engineer after acceptance of the Equipment.
- 28.3. The guarantee period of the Equipment will start from the date of acceptance of Equipment by the Purchaser.

29. USE OF DRAWING/ DESIGN INFORMATION

- 29.1. The Vendor shall undertake that the drawings / design / Information enclosed with the Tender / Order or sent to him subsequently is the property of BHEL and it will not be parted to any other agency and will also not be used for any purpose detrimental to the interests of BHEL.

30. PERFORMANCE GUARANTEE

- 30.1. The Supplier guarantees that the Equipment will be new and in accordance with the specifications; that the Equipment will be free from defects in material and workmanship; and that the Equipment will meet the specified

performance parameters

- 30.2. For the guarantee period the Supplier shall be liable to repair or replace any defective parts that may develop in the Equipment of his own manufacture or those of his sub-Suppliers under conditions arising from faulty design, materials or workmanship; provided that notice of any such defects or failure to conform to the specifications is promptly given within 30 days by the Purchaser to the Supplier.
- 30.3. The acceptance of the plant by the Engineer shall, in no way, relieve the Supplier of his obligation under this clause.
- 30.4. In the case of defective parts not repairable at site but essential in the meantime for commercial operation of the plant, the Supplier and Purchaser shall mutually agree to a programme of replacement or renewal which will minimise, to the maximum extent, interruption in the operation of the Equipment.
- 30.5. If it becomes necessary to replace or renew any defective parts under this clause, the provisions of this clause shall apply to replaced part until 6 months from the date of replacement or until the expiration of original guarantee, whichever is later.
- 30.6. Guarantee period for the Equipment shall be as specified in the Special Conditions of Contract.

31. PROGRESS REPORTS

- 31.1. The Supplier shall furnish to the Purchaser Progress Reports of the equipment manufactured at the end of every months as per mutually agreed format.

32. REVERSE AUCTION (RA)

- 32.1. BHEL may go for Reverse Auction (on line bidding on Internet) instead of opening the submitted sealed price bid. The decision to go for Reverse Auction will be taken after techno-commercial evaluation. Information and general terms and conditions governing RA are given below.
- 32.2. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
- 32.3. BHEL will engage the services of a Service Provider who will provide all necessary training and assistance/ demonstration before commencement of on line bidding on internet.
- 32.4. BHEL will inform the Vendors in writing the details of Service Provider to enable them to contact for training/ demonstration.
- 32.5. Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through Service Provider for compliance.

- 32.6. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse Auction. Without this, the vendor will not be eligible to participate in the event.
- 32.7. BHEL will provide the calculation sheet which will help the Vendors to arrive at "Total Cost to BHEL" by including items like Packing & Forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL Commercial terms & conditions, if any) for each of the Vendors to enable them to fill-in the price and keep it ready for keying in during the Auction.
- 32.8. Reverse auction will be conducted on a scheduled date & time.
- 32.9. At the end of Reverse Auction event, the lowest bid value will be known on the network.
- 32.10. The lowest bidder has to fax the duly signed filled-in prescribed format as provided to BHEL through Service Provider within 24 hours of Auction without fail.
- 32.11. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
- 32.12. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids already submitted and available with BHEL shall be opened as per BHEL's standard practice.
- 32.13. Tenders when finalised shall be in the name of the Bidder only and change of name during tender evaluation (without certificate from registrar of company/other appropriate Authority) and after submission of the Tender is liable to make the offer ineligible for participation

33. HEALTH SAFETY & ENVIRONMENT (HSE)

- 33.1. Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuel/chemicals)
- 33.2. Competency requirements for operation, maintenance and calibration, if any, shall be communicated
- 33.3. If any hazardous chemicals as per MSIHC (Manufacturing, storage and import of Hazardous Chemicals) Rules 2000 are used, the MSDS shall be provided, along with On site & Off site emergency plan (as applicable)
- 33.4. The noise level at operator level shall be within acceptable range and shall be specified.
- 33.5. OH&S (Occupational Health and Safety) control measures for safe working of machine as applicable shall be specified.
- 33.6. The machine / equipment shall be fitted with guard for rolling and moving

parts and shall comply with applicable OH&S legislations and Factories Act 1948

- 33.7. The supplier shall submit the layout drawing of operating controls, displays etc. and operating instructions to enable ergonomics evaluation and approval
- 33.8. The recommended PPE (Personal Protective Equipment) for the equipment shall be furnished
- 33.9. Alarm system (both visual and audible) and Automatic switch off of the equipment shall be provided for any intrusion, overloading, short circuiting or any malfunctioning of the equipment
- 33.10. Details of all hazardous / harmful substances discharged as by-products / wastes during operations of the machine / equipment, such as fumes, gases, dust particles, aerosols UV./IR (Ultra violet / infra red) radiations, etc. shall be furnished, along with their concentrations and their TL V, (Threshold Limit Value).
- 33.11. Appropriate pollution control measures shall be proposed to keep the emissions from the machinery / processes within the prescribed limit as stated in Environment Protection Rules 1986.
- 33.12. All furnaces, process units, DG sets, paint booths, shot blasting chambers, etc. shall be provided with stack(s) of sufficient height as per guidelines laid down in the Environment Protection Rules 1986.
- 33.13. Wherever industry specific standards are not available for control of pollutants, general emission standards shall be used.
- 33.14. Chemicals banned due to their negative impact on the environment shall not be used in the process.
- 33.15. Fuels with sulphur content less than 0.05% shall be proposed.
- 33.16. Details regarding nature of waste generated and appropriate disposal practices available shall be provided, along with the operation procedure of the plant / process.
- 33.17. Hazardous chemicals and flammable substances shall be transported only through authorized transporters and all safety practices as laid down in applicable legislative requirements such as Central Motor Vehicle Rules, Manufacture, storage and Import of Hazardous Chemical 1989, etc. shall be followed
- 33.18. Primary materials used in the equipment shall be specified and they shall be eco – friendly.

34. COOPERATION WITH OTHER VENDORS

- 34.1. The Supplier shall agree to co-operate with the Purchaser's other suppliers and consulting engineers for associated equipment and freely exchange with them such technical information as is necessary to obtain the most

efficient and economical design and to avoid unnecessary duplication of equipment. No remuneration shall be claimed from the Purchaser for such technical co-operation. The inspector shall be provided with two copies of all correspondence addressed by the Supplier to other Suppliers in respect of such exchange of technical information

35. FORCE MAJEURE

- 35.1.** Notwithstanding anything contained in this Contract, neither the Supplier and nor the Purchaser shall be held responsible for total or partial non-execution of any of the contractual obligations, should the obligation be made impossible due to concurrence of a Force Majeure which will include war, military operations of any nature, blockages, revolutions, insurrections, riots, civil commotion's, insurgency, sabotage, act of public enemy, acts of god, epidemics and act of Govt. over which the Supplier or Purchaser has no control.

36. ARBITRATION

- 36.1.** The Purchaser and Supplier shall settle the disputes and differences arising out of this agreement in good faith. In the event that a dispute can not be resolved within reasonable time, the parties agree that the agreement shall be subject to arbitration under the Indian Arbitration & Conciliation Act 1996. Notwithstanding anything to the contrary in such rules there shall be three arbitrators, one appointed by the Purchaser, one appointed by the Supplier and the third appointed by the other two arbitrators. No aspect of any arbitration proceedings shall be made public by either party. The arbitration tribunal shall give reasonable award in writing. The award of the arbitration tribunal shall be final and binding on the parties. Any disputes under this order shall be under jurisdiction of New Delhi Courts only.

37. CONTRACT LAW AND JURISDICTION

- 37.1.** This Contract shall be governed by the laws of India.
- 37.2.** No court shall entertain or try any suit or legal proceedings to enforce any claim arising out of the Contract except in a court of law having jurisdiction at New Delhi.

ANNEXURE-1 of GCC -A**PROFORMA FOR BANK GUARANTEE FOR BID SECURITY**

(To be issued on appropriate valid non-judicial stamp paper)

This Deed of Guarantee made this Day of 200 by Bank Ltd. (hereinafter called the 'Bank'), in favour of Bharat Heavy Electricals Limited, having its Registered Office at BHEL House, Siri Fort, New Delhi – 110 049 (hereinafter called the 'Purchaser') throughunit.

Whereas M/s (hereinafter called the Tenderer) have submitted a tender in response to tender specification No/ Enquiry No..... (hereinafter called the said 'Tender Documents') of the Company.

And whereas the said tender documents provide that the Tenderer shall submit a bank guarantee for a sum of Rs..... (Rupees..... only) towards Bid Security to be made in the form and manner therein specified.

And whereas the Tenderer have approached (Bank) and at their request and in consideration of the arrangement arrived at between the said Tenderer and the said Bank, the said Bank has agreed to give such guarantee as hereinafter mentioned to the aforesaid Purchaser.

Now, therefore, these presents witness that we (Bank) by the hand of Shri..... its lawfully and duly constituted attorney do hereby undertake to pay the aforesaid Purchaser a sum of Rs..... (Rupees) by virtue of this Guarantee against any loss or damage caused to or suffered by the said Purchaser by reason of any breach by the aforesaid Tenderer of any of the terms, conditions, stipulations undertakings or any one of them contained in the said Tender Documents, and for the payment of any money or moneys payable by the said Tenderer to the said Purchaser under the terms and conditions of the tender documents (the decision regarding the breach, loss, damage or payment due, being solely in the discretion of the said Company. We further undertake to pay the aforesaid amount in a lump sum on demand irrespective of the fact whether the said Tenderer admits or denies such claim or questions its correctness in any Court, Tribunal of Arbitration proceedings or before any authority.

The aforesaid guarantee will remain in force and we shall be liable under the same, irrespective of any concession for the time being granted by the said Purchaser to the Tenderer in or for fulfilling conditions of the tender documents and the guarantee will remain in full force irrespective of any change of terms, conditions or stipulations or any variation in the terms of the said Tender Documents irrespective of whether notice of such change and/or variation is given to us or not and claim to receive such notice of any change and or/variation is given to us or not and claim to receive such notice of any change and or/variation of the terms and/or conditions of the said tender document is hereby specifically waived by us. Further, we shall not be released from this guarantee by any forbearance of the exercise or non-exercise of any of the powers or rights under the said tender documents by the said Purchaser against the Tenderer irrespective of

whether notice of such forbearance, enforcement or non-enforcement of any powers or rights, modifications or changes made in the said tender documents or concessions shown to the Tenderer by the Purchaser is given to us or not.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up or insolvency or change in the constitution of the Tenderer but shall in all respects and for all purposes be binding and operative until all payments of all moneys due or that may become due to the said company in respect of any liability or obligation of the Tenderer under the said tender document.

We the said Bank further agree that the guarantee hereinafter contained shall remain in full force and effect during the period that would be taken for the finalisation of the tender and execution of agreement there of and that it shall continue to be enforceable till the required Contract Performance Guarantee is issued by the successful Tenderer, as stipulated in the said Tender Documents or till the Purchaser certifies that the terms and conditions of the said tender documents have been fully and properly carried out by the said Tenderer and accordingly discharges the guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the(date – tender validity date plus two months) we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts having jurisdiction at New Delhi only.

And lastly, theBank undertakes not to revoke this guarantee during its currency except with the previous consent of the Purchaser in writing.

The Bank hereby declares that it has power to issue this guarantee under the Bank's Memorandum and Articles of Association and the undersigned has full powers to do so on its behalf under the Power of Attorney dated..... granted to him by the proper authorities of the bank

Dated the Day of

Attorney (signature of the person duly authorised to sign on behalf of the bank)

Witness

ANNEXURE-2 of GCC -A**PROFORMA FOR CONTRACT PERFORMANCE BANK GUARANTEE**

(To be issued on appropriate valid non-judicial stamp paper)

This Deed of Guarantee made this Day of 200 by Bank Ltd (hereinafter called the 'Bank', in favour of Bharat Heavy Electricals Limited, having its Registered Office at BHEL House, Siri Fort, New Delhi – 110 049 (hereinafter called the 'Purchaser') throughunit.

Whereas M/s (hereinafter called the Vendor) proposes to enter into a Contract arising out of the Letter of Intent No addressed by the Company to the Vendor, for.....(scope of supply & services) (hereinafter called the 'Agreement').

And whereas the said Agreement provides that the Vendor shall submit a Bank Guarantee for a sum of Rs..... (Rupees..... only) towards Contract performance guarantee to be made in the form and manner therein specified.

And whereas the Vendor have approached (Bank) and at their request and in consideration of the arrangement arrived at between the said Vendor and the said Bank, the said Bank has agreed to give such guarantee as hereinafter mentioned to the aforesaid Purchaser.

Now, therefore, these presents witness that we (Bank) by the hand of Shri..... its lawfully and duly constituted attorney do hereby undertake to pay the aforesaid Purchaser a sum of Rs..... (Rupees) by virtue of this Guarantee without any demur, merely on a demand from the Purchaser and to keep the company indemnified to the extent of Rs....., by virtue of this guarantee against any loss or damage caused to or would be caused to or suffered by the Purchaser by reason of breach by the said Vendor of any of the terms or conditions contained in the said Agreement or by reason of the Vendor's failure to perform the said Agreement and for the payment of any money payable by the said Vendor to the Purchaser under the terms and conditions of the said Agreement (the decision regarding the breach, loss, damage or payment due being solely at the discretion of the Purchaser).

We further undertake to pay the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Vendor, any suit or proceeding pending before any court or Tribunal relating thereto, our liability under these presents being absolute and unequivocal. The aforesaid guarantee will remain in force and we shall be liable under the same, irrespective of any concession for the time being granted by the said Purchaser to the Vendor in or for fulfilling the said Agreement and the guarantee will remain in full force irrespective of any change of terms, conditions or stipulations or any variation in the terms of the said Agreement irrespective of whether notice of such change and/or variation is given to us or not and claim to receive such notice of any change and or/variation is given to us or not.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up or insolvency or change in the constitution of the Vendor but shall in all respects and for all purposes be binding and operative until all payments of all moneys due or that may become due to the said Vendor in respect of any liability or obligation of the Vendor under the said Agreement.

We the said Bank further agree that the guarantee hereinafter contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Agreement have been fully paid and the Agreement have been fully and properly carried out by the Vendor and accordingly discharges the guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the(date- acceptance of equipment at Purchaser's works plus two months) we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts having jurisdiction at Sultanpur only.

The bank undertakes not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

The Bank hereby declares that it has power to issue this guarantee under the Bank's Memorandum and Articles of Association and the undersigned has full powers to do so on its behalf under the Power of Attorney dated..... granted to him by the proper authorities of the bank

Dated The Day of

Attorney (signature of the person duly authorised to sign on behalf of the bank)

Witness

ANNEXURE-3of GCC - A**PROFORMA FOR PERFORMANCE BANK GUARANTEE**

(To be issued on appropriate valid non-judicial stamp paper)

This Deed of Guarantee made this Day of 200 by Bank Ltd (hereinafter called the 'Bank', in favour of Bharat Heavy Electricals Limited, having its Registered Office at BHEL House, Siri Fort, New Delhi – 110 049 (hereinafter called the 'Purchaser') throughunit.

Whereas M/s (hereinafter called the Vendor) has entered into a Contract arising out of the Purchase Order No addressed by the Purchaser to the Vendor, for.....(scope of supply & services) (hereinafter called the 'Agreement').

And whereas the said Agreement provides that the Vendor shall submit a Bank Guarantee for a sum of Rs..... (Rupees..... only) towards Performance Guarantee to be made in the form and manner therein specified.

And whereas the Vendor have approached (Bank) and at their request and in consideration of the arrangement arrived at between the said Vendor and the said Bank, the said Bank has agreed to give such guarantee as hereinafter mentioned to the aforesaid Purchaser.

Now, therefore, these presents witness that we (Bank) by the hand of Shri..... its lawfully and duly constituted attorney do hereby undertake to pay the aforesaid Purchaser a sum of Rs..... (Rupees) by virtue of this Guarantee without any demur, merely on a demand from the Purchaser and to keep the company indemnified to the extent of Rs....., by virtue of this guarantee against any loss or damage caused to or would be caused to or suffered by the Purchaser by reason of breach by the said Vendor of any of the terms or conditions contained in the said Agreement or by reason of the Vendor's failure to perform the said Agreement and for the payment of any money payable by the said Vendor to the Purchaser under the terms and conditions of the said Agreement (the decision regarding the breach, loss, damage or payment due being solely at the discretion of the Purchaser).

We further undertake to pay the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Vendor, any suit or proceeding pending before any court or Tribunal relating thereto, our liability under these presents being absolute and unequivocal. The aforesaid guarantee will remain in force and we shall be liable under the same, irrespective of any concession for the time being granted by the said Purchaser to the Vendor in or for fulfilling the said Agreement and the guarantee will remain in full force irrespective of any change of terms, conditions or stipulations or any variation in the terms of the said Agreement irrespective of whether notice of such change and/or variation is given to us or not and claim to receive such notice of any change and or/variation is given to us or not.

The guarantee herein contained shall not be determined or affected by the liquidation or winding up or insolvency or change in the constitution of the Vendor but shall in all respects and for all purposes be binding and operative until all payments of all moneys due or that may become due to the said Vendor in respect of any liability or obligation of the Vendor under the said Agreement.

We the said Bank further agree that the guarantee hereinafter contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Agreement have been fully paid and the Agreement have been fully and properly carried out by the Vendor and accordingly discharges the guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the(date – end of guarantee period plus two months) we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts having jurisdiction at Sultanpur only.

The bank undertakes not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

The Bank hereby declares that it has power to issue this guarantee under the Bank's Memorandum and Articles of Association and the undersigned has full powers to do so on its behalf under the Power of Attorney dated..... granted to him by the proper authorities of the bank

Dated The Day of

Attorney (signature of the person duly authorised to sign on behalf of the bank)

Witness

Annexure-4 of GCC-A**SCHEDULE OF TECHNICAL DEVIATIONS:****TENDER ENQUIRY NO & DATE :****ITEM DESCRIPTION :****DUE DATE OF OPENING (PART-I):**

Sr.No	Specification Clause No	Technical Deviation	Remark/Reasons for seeking Deviations.
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We hereby confirm that except for above , there are no other Technical Deviations.

Representative/Bidder**Signature of Authorised****Name:****Designation:****Date:****Name of Organisation:****Seal:**

Annexure-5 of GCC-A**SCHEDULE OF COMMERCIAL DEVIATIONS:****TENDER ENQUIRY NO & DATE :****ITEM DESCRIPTION :****DUE DATE OF OPENING (PART-I):**

Sr.No	Specification Clause No	Commercial Deviation	Remark/Reasons for seeking deviation
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We hereby confirm that except for above, there are no other Commercial Deviations.

Representative/Bidder**Signature of Authorised****Name:****Designation:****Date:****Name of Organisation:****Seal:**

Annexure-6 of GCC-A

LIST OF CONSORTIUM BANK

The Bank Guarantees are to be established through any of the consortium Bank listed with BHEL as below .

- 1. State Bank Of India .**
- 2. ABN AMRO BANK N.V.**
- 3. Bank Of Baroda .**
- 4. Canara Bank.**
- 5. CITI Bank N A**
- 6. Deutsche Bank AG .**
- 7. HDFC Bank .**
- 8. ICICI Bank Ltd.**
- 9. IDBI Ltd.**
- 10. Punjab National Bank .**
- 11. Standard Chartered Bank .**
- 12. The Honkong and Shanghai Banking Corporation Limited / HSBC.**
- 13. State Bank of Hyderabad-New Delhi**

The Letter of Credit shall also be opened through any of the bank listed above.

SECTION I
GENERAL CONDITIONS OF CONTRACT

Part –B

GENERAL TERMS AND CONDITIONS FOR INSTALLATION, TESTING AND COMMISSIONING AT SITE

1. SITE INSPECTION

- 1.1. Before tendering, the Tenderers are advised to inspect the site of work and working environment and be well acquainted with actual working conditions, facilities available, position of material and labour. No claim will be entertained later on the ground of lack of knowledge.

2. COMMENCEMENT OF WORK

- 2.1. BHEL will issue a letter to the Contractor when the Site is ready for start of the erection , installation , testing and commissioning work. giving sufficient notice for mobilisation.
- 2.2. The Contractor shall commence the work within the time indicated in the letter issued by BHEL and shall proceed with the same with due expedition without delay.
- 2.3. All the work shall be carried out under the direction and to the satisfaction of BHEL.

3. RESPONSIBILITIES OF THE CONTRACTOR

3.1. Tools & Plants

- 3.1.1. The Contractor is required to provide all necessary tools and plants, measuring/ testing instruments and handling equipments for handling, installation, testing and commissioning of Equipment.
- 3.1.2. The Contractor shall provide all the necessary temporary structures and necessary safety devices etc. during pre-assembly, installation, testing and commissioning of the Equipment.
- 3.1.3. The Tools & Plants to be arranged by the Contractor shall be in proper working condition. Their operation shall not lead to unsafe conditions.
- 3.1.4. It is not obligatory on the part of BHEL to supply any tools or tackles or

other materials other than those specifically agreed to do so by BHEL. However, depending upon availability, BHEL's handling equipment and other plants may be made available to the Contractor on payment of the hire charges/ free of charges as fixed, subject to the conditions laid down by BHEL from time to time. Unless paid in advance, such hire charges, if applicable, shall be recovered from Contractor's bills in one instalment.

- 3.1.5. All the properties/equipments/components of BHEL loaned with or without deposit to the Contractor in connection with the Contract shall remain properties of BHEL. The Contractor shall use each property for the purpose of execution of this contract. All such properties/ equipments/ components shall be deemed to be in good condition when received by the Contractor. The Contractor shall return them in good condition as and when required.

3.2. Consumables

- 3.2.1. The Contractor shall provide all consumables required for carrying out the work covered under his scope of work.

3.3. Field Office

- 3.3.1. No office accommodation will be provided by BHEL. Only open space will be provided by BHEL free of cost for constructing Contractor's office on a temporary basis.
- 3.3.2. The Contractor shall make his own arrangements for field office with necessary staff, watch and ward etc. as required for the execution of the work. After the completion of work, Contractor shall clear the site of all waste/ rubbish material and handover the clear site to BHEL.

3.4. Lighting

- 3.4.1. Permanent lighting inside the plant is to be provided by BHEL. However, if this light is insufficient to carry out day to day, contractor shall make necessary temporary lighting arrangements for smooth working.
- 3.4.2. All temporary wiring must comply with local safety regulations and will be subjected to engineer's inspection and approval before connecting to supply point.
- 3.4.3. It shall be the responsibility of the Contractor to provide, maintain the complete installation on the load side of the supply with due regard to the safety requirements at site. All cabling and installations shall comply in all respects with the appropriate statutory requirements.

3.5. Collection of Equipment/ Materials

- 3.5.1. The equipments/ materials despatched by the Supplier shall be received and stored at site by BHEL/ their sub-contractor.

- 3.5.2. The Contractor shall take delivery of shipment boxes/ equipments/ materials from the storage yard/ stores of BHEL. He shall also make arrangements for verification of equipment, safe custody, watch and ward of equipment after it has been handed over to him till these are fully erected, tested and commissioned and taken over by BHEL.
- 3.5.3. Contractor shall render all help to BHEL in inspection including handling, opening packages, re-packing, re-stacking etc., assessing and preparing estimates for repairs of components damaged during transit and storage and preparing estimates for fabrication/ procurement of materials lost / damaged. Contractor shall help BHEL to furnish all the data required by transporters, insurance company or their surveyors.
- 3.5.4. Contractor shall report to BHEL in writing any damages to equipments / components during drawal of the materials from stores, installation and commissioning. The above report shall be as prescribed by BHEL site management. Any consequential loss arising out of non-compliance of this stipulation will be borne by Contractor.
- 3.5.5. The Contractor shall handover all parts/materials remaining extra over the normal requirement with proper identification tags in a packed condition to BHEL stores.

3.6. Employment of Workman

- 3.6.1. The Contractor shall arrange all the skilled, semiskilled and unskilled labour required for the work of handling, installation, testing and commissioning and all other works envisaged in this tender. Only fully trained and competent men with previous experience on the job shall be employed. They shall hold valid certificates wherever necessary. BHEL reserves the right to decide on the suitability of the workers and other personnel who will be employed by the Contractor. BHEL reserves the right to insist on removal of any employee of the Contractor at any time if he is found to be unsuitable and the Contractor shall forthwith remove him.
- 3.6.2. If at any time, it is found that the Contractor is not in a position to deploy the required workmen due to any reason; BHEL shall have the option to deploy their workmen or make alternate arrangements at the Contractor's risk and cost. The expenditure incurred with overhead on this account will be recovered from the Contractor's bills.
- 3.6.3. The Contractor shall be responsible for proper accommodation including adequate medical facilities for personnel employed by him.
- 3.6.4. The Contractor shall be responsible for the proper behaviour and observance of all regulations by the staff employed by him.
- 3.6.5. The Contractor will be directly responsible for payment of wages to his workmen. A pay roll sheet giving all the payments given to the workers and duly signed by the Contractor's representative should be furnished to BHEL site for record purpose, if so called for.

- 3.6.6. The Contractor, in the event of his engaging 10 or more workmen must obtain independent licence under the contract labour (regulations and abolition) act 1970, from the concerned authorities based on the certificate (form-v) issued by the principal employer /customer.
- 3.6.7. Contractor shall submit "Contractor's All Risk" insurance policy to BHEL for the insurance of their work-man working at BHEL CSU , Jagdishpur premises and material finished or supplied but not handed over to BHEL.
- 3.6.8. The following are the responsibilities of the Contractor in respect of observation of local laws, employment of personnel, registration with statutory authorities, payment of taxes etc.
- (a) As far as possible, Unskilled Workers shall be engaged from the local areas in which the work is being executed.
 - (b) The Contractor at all times during the continuance of this Contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals and religious and other customs.
 - (c) The Contractor shall comply with all State and Central Laws, Statutory Rules, Regulations etc. such as:-

Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Dispute Act, Employers Provident Fund Scheme, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act, 1970 and other acts, rules and regulations for labour as may be enacted by the Government during the tenure of the Contract.
 - (d) The Contractor shall give to the local governing body, police and other relevant authorities all such notices as may be required by the Law.
- 3.6.9. Contractor shall be responsible for provision of health and sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act), Safety precautions etc. as may be required for safe and satisfactory execution of contract.
- 3.6.10. It is the responsibility of the Contractor to engage his workmen in shifts and or on overtime basis for achieving the target set by BHEL. This target may be set to suit BHEL's commitments or to advance date of completion of events or due to other reasons. The decision of BHEL in regard to setting the installation targets will be final and binding on the Contractor.
- 3.6.11. The Contractor shall pay all taxes, license charges, deposits, duties, taxes, royalties, commission or other charges which may be levied on account of his operations in executing the contract. In case BHEL is forced

to pay any of such taxes, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit.

3.7. Safety

- 3.7.1. All safety rules and codes applicable at site shall be observed by the Contractor without exception. The Contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards and due precautions shall be taken against fire hazards and atmospheric conditions.
- 3.7.2. In case any accident occurs during the installation or other associated activities undertaken by the Contractor thereby causing any minor or major or fatal injury to his employees due to any reason, what-soever, it shall be the responsibility of the Contractor to promptly inform the same to BHEL in prescribed form and also to all the authorities envisaged under the applicable laws as well to pay compensation as applicable.

3.8. Watch and Ward

- 3.8.1. Contractor has to arrange and provide watch and ward staff round the clock. Any theft or damage of component due to negligence of the Contractor will have to be replaced/ repaired by the Contractor.

3.9. Indemnification

- 3.9.1. The Contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused, it is responsibility of the Contractor to make good the losses and/ or compensate for the same.
- 3.9.2. The Contractor shall fully indemnify BHEL against all claims of whatsoever nature arising during the course of installation /performing work under the Contract.

3.10. General

- 3.10.1. In case the Contractor is required to undertake any work outside the scope of this contract, the rates payable shall be those mutually agreed upon.
- 3.10.2. Any delay in completion of works/or non achievement of periodical targets due to the reasons attributable to the Contractor, the same will have to be compensated by the Contractor either by increasing manpower and resources or by working extra hours and/or by working more shifts. All these are to be carried out by the Contractor at no extra cost.
- 3.10.3. The Contractor shall arrange, coordinate his work in such a manner as to

cause no hindrance to other agencies working in the same premises.

- 3.10.4. In case of any class of work for which there is no such specification as laid down in the Contract, such work shall be carried out in accordance with the instructions and requirements of the Engineer.
- 3.10.5. No idle labour charges will be admissible in the event of any stoppage caused in the work resulting in Contractor's labour being rendered idle due to any cause at any time. However, it shall be endeavour of BHEL to provide required inputs in time as per the installation and commissioning schedule.
- 3.10.6. The Contractor shall take all responsible care to protect the materials and work till such time the plant/equipment has been taken over by BHEL.
- 3.10.7. The Contractor shall not stop the work or abandon the site for whatsoever reason of dispute, excepting force majeure conditions. All such problems/disputes shall be separately discussed and settled without affecting the progress of work. Such stoppage or abandonment shall be treated as breach of contract and dealt with accordingly.

4. FACILITIES TO BE PROVIDED BY BHEL

4.1. Power for Installation Services

- 4.1.1. Power (three phase, 415V / 440V, 4-wire) will be provided at one point near the site of work free of charge. The required distribution boards, switchboards, bus bars, earthing arrangements, protection devices, cables etc, for drawing the power shall be arranged by the Contractor.
- 4.1.2. Contractor shall arrange adequate floodlights, hand lamps and area lighting as required.
- 4.1.3. BHEL is not responsible for any loss or damage to the Contractor's equipment as a result of variations in voltage or frequency or interruptions in power supply.

4.2. Water for Installation Services

- 4.2.1. Water will be made available at one point near the area of work by BHEL free of cost. All arrangements for further distribution have to be made by the Contractor.

4.3. Overhead Travelling Crane

- 4.3.1. BHEL is planning to install Overhead Travelling Crane in the plant. The Contractor will be permitted to use the Overhead Travelling Crane as and when available, free of charge.
- 4.3.2. In case of non availability of crane, it is the responsibility of the Contractor to make alternate arrangements for lifting of components.

4.4. Non-Availability of Facilities

- 4.4.1. BHEL shall not be responsible for any inconvenience or delay caused due to any interruption of power supply, water supply or availability of crane and no compensation for delay in work can be claimed by the Contractor due to such non-supply on the grounds of idle labour, machinery or any other grounds.

5. RIGHTS OF BHEL

- 5.1. BHEL reserves the following rights in respect of this Contract without entitling the Contractor for any compensation.
- 5.2. To get work done through other agency at the risk and cost of the Contractor in the event of Contractor's poor progress, or inability to progress the work for completion as stipulated in the Contract, poor quality of the work, persistent disregard to instruction of BHEL, assignment, transfer, subletting of the contract without permission of BHEL, non-fulfilment of any contractual obligation etc. and to claim/recover compensation for such losses (including penalty for delay) from the Contractor including BHEL's supervision charges and overheads.
- 5.3. To recover any money due from Contractor from any money due to the Contractor under this Contract or any Contract or from the Contract Performance Bank Guarantee.
- 5.4. To affect recovery from any amounts due to the Contractor under this or any other contract or in any other form the money BHEL is forced to pay to anybody due to Contractor's failure to fulfil any of his obligations.
- 5.5. To deploy BHEL's Fitters, Welders, Operators and Technicians in case of emergency/poor progress/ deficiency in skill on the part of employees of Contractor and recover the expenditure on account of the same from Contractor's bills.
- 5.6. While every endeavour will be made by BHEL, they can not guarantee uninterrupted work due to conditions beyond their control. Contractor will not be entitled for any compensation/ extra payment on this account.

6. SUB-CONTRACTING

- 6.1. Subcontracting/subletting of the work by the Contractor, if required, shall only be after written approval from BHEL.

7. INSURANCE

- 7.1. BHEL shall arrange for insuring the Equipment and materials/properties of BHEL covering the risk during transit, storage, installation and commissioning.

- 7.2. It is the sole responsibility of Contractor to insure his workmen against accidents and injury while at work as required by relevant rules and to pay compensation to workmen as per Workmen's Compensation Act. Contractor shall insure his staff against accidents. The work will be carried out in a protected area and all the rules and regulations of BHEL which are in force from time to time, will have to be followed by the Contractor.
- 7.3. If due to negligence and for non observation/observance of safety and other precautions, any accident/injury occurs to any other persons/public, the Contractor shall have to pay necessary compensation and other expenses, if so decided by the appropriate authorities.
- 7.4. If due to the Contractor's carelessness, negligence or non-observance of safety precaution, damage to BHEL's property and personnel occurs and if BHEL is unable to recover in full cost from the insurance company, the same will be recovered from Contractor.
- 7.5. It shall be the responsibility of Contractor to provide security arrangement for the equipment/materials belonging to BHEL and handed over to Contractor for installation/transportation till the same are taken over by BHEL.

8. QUALITY ASSURANCE

- 8.1. The Contractor shall strive to achieve the highest quality standards in his work to ensure that the machine exceeds the guaranteed performance levels and has trouble free operation during commercial operation. The Contractor shall prepare a site quality assurance plan and submit it to BHEL for periodic review.

9. OCCUPATIONAL HEALTH AND ENVIRONMENTAL MANAGEMENT

- 9.1. BHEL follows Environmental Management under ISO 14001:1996 standard and Occupational Health & Safety under OHSAS 18001 standard. It shall be the endeavour of the Contractors to meet and implement the requirements of the above standards.

10. STRIKES & LOCKOUT

- 10.1. The Contractor will be fully responsible for the disputes and other issues connected with his workman. In the event of the Contractor's workman resorting to strike or the Contractor resorting to lockout and if the strike or lockout declared is not settled within a period of one month, BHEL shall have the right to get the installation work executed employing its own workman or through any other agencies or both and the cost so incurred by BHEL shall be deducted from the Contractor's bills.
- 10.2. For all purposes whatsoever, the employees of the Contractor shall not be deemed to be in the employment of BHEL.

11. CONTRACTOR'S SITE REPRESENTATIVE

- 11.1. The Contractor shall furnish to the Contract Engineer the name, designation and address of his authorised site representative who shall coordinate the day to day activities at site and all communication, reference, complaints, notices, shall be delivered to him. All such communication, reference, complaints, notices, etc shall be deemed to have been duly given to the Contractor.

SECTION - II

SPECIAL CONDITIONS of CONTRACT (SCC)

1. INTRODUCTION

- 1.1. The terms and conditions mentioned in this section are in addition to what are stated in Section – I (General Conditions of Contract) of the tender document. In case of any contradiction between the terms and conditions given in Section - I and those specified in this Section- II, the terms and conditions of this Section–II shall prevail.

2. SCOPE OF SUPPLY & SERVICES

- 2.1. The scope of supply and services consists of design, manufacture, testing at Vendor's works, supply, installation, testing and commissioning at works of BHEL
- 2.2. The Vendor shall also quote for the following as per Section III (Price Format) only:
 - 2.2.1. Recommended spares for 2 (two) years(or as specified in Section-III of price Schedule Format) of normal operation.
- 2.3. The scope of supply and services is given in detail in Section – IV (Technical Specification) and Section-III (Price Format)
- 2.4. Any item not included in the prescribed price schedule format (Section-III) and shown separately will not be taken in to account and shall be ignored while evaluation .
- 2.5. unsolicited Items (Bidders Optional Item) shall also be ignored while evaluation.

3. COMPLETION SCHEDULE

- 3.1. Complete supplies along with spare parts shall be supplied FOR Site BHEL , Jagdishpur (for Indigenous supplies) **within 6 (six) weeks from the date of Letter of Intent. However, part delivery can be accepted subject to acceptance of purchaser.**
- 3.2. After receipt of the Equipment at BHEL Works and availability of the erection fronts, BHEL will inform the Vendor about readiness for start of installation work in writing. Vendor shall depute his staff for installation & commissioning work within **4 weeks from the mobilization date as per letter issued by BHEL informing readiness for installation..**
- 3.3. The work of installation & commissioning shall be completed by the Vendor in **4 weeks from the mobilization date as per letter issued by BHEL informing readiness for installation / availability of inputs as**

per agreed terms. The date of completion of installation & commissioning shall be the date on which acceptance of Equipment is given by BHEL.

4. PRICES

- 4.1. The prices shall be **firm** and shall be quoted as per Price Schedule given in Section III.
- 4.2. The price for foreign supplies shall be inclusive of all taxes and duties up FOB port of shipment. The price for domestic supplies shall be inclusive of all taxes and duties (including excise duty and sales tax/ VAT) up to FOR BHEL Site (Jagdishpur).
- 4.3. The price for installation and commissioning shall be inclusive of all taxes and duties **except Service Tax**. Service tax on installation and commissioning, if applicable, will be payable extra.
- 4.4. Any other taxes and duties payable as extra to the quoted price shall be specifically stated in the Offer. The Purchaser will not be liable for payment of taxes and duties not specifically mentioned in the Offer.
- 4.5. The excise duty and sales tax/ VAT will be paid at the rate applicable on the day of dispatch. However, if the Equipment is delayed and amount of excise duty and/ or sales tax/ VAT on the day of dispatch is higher than the amount applicable on the scheduled delivery date, the amount applicable on the scheduled delivery date will be payable.

5. TERMS OF PAYMENT

5.1. Indian Bidders:

- 5.1.1. 80% payment (along with 100% of taxes and duties) shall be made against issue of receipted LR/ GR at BHEL Jagdishpur and balance 20% payment after acceptance of the Equipment at BHEL works i.e after installation, testing and commissioning is performed and after submission of letter of Acceptance of Equipment and Performance Bank Guarantee.
- 5.1.2. In case of part delivery accepted by purchaser, contractor shall be paid running bills of the part supplies and works as per payment term 5.1.1 executed to the satisfaction of the engineer.
- 5.1.3. **Freight charges as per price bid shall be payable separately after receipt of material at site.**
- 5.1.4. Lump sum installation and commissioning charges if any, shall be payable in full or parts after acceptance of the part supplies at BHEL works and after submission of letter of Acceptance of Equipment.

5.2. Foreign Bidders:

- 5.2.1. An Irrevocable **Letter of Credit** shall be established for 80% net FOB

value (**excluding Indian Agent's commission, if any**) 4 (four) months prior to shipment. Letter of Credit shall be opened through any one of the consortium bank listed with BHEL (list as per Annex –6 of GCC-A). Any charges for LC confirmation (if LC confirmation is insisted by the vendor), shall be borne by the vendor himself. Balance 20% of net FOB value shall be paid through sight draft after acceptance of the Equipment at BHEL works and after submission of letter of Acceptance of Equipment and Performance Bank Guarantee. All bank charges outside India shall be to Vendor's account.

- 5.2.2. Lump sum installation and commissioning charges, if any, shall be payable by sight draft after acceptance of the Equipment at BHEL works and after submission of letter of Acceptance of Equipment.

5.3. Common to both Indian & Foreign Bidders:

- 5.3.1. Installation and commissioning charges will be released after deduction of Income Tax as per the Govt. of India rules in force and after deduction of Works Contract Tax as per Govt of UP rules, if applicable. The Tax Deduction at Source (TDS) certificate will be issued by BHEL. Applicable service tax on Installation & Commissioning charges, if any, will be payable extra.
- 5.3.2. Bank charges for opening of Letter of Credit by Purchaser's bank in India shall be borne by the Purchaser. All other bank charges shall be to vendor's account. Any charges towards extension of LC shall be to vendor's account if such extension is necessitated for reasons attributable to the vendor,

6. TAXES AND DUTIES ON INSTALLATION & COMMISSIONING

6.1. Service Tax

- 6.1.1. The Service Tax on installation & commissioning services as applicable for this Contract will be paid by Purchaser separately on submission of documentary evidence by the vendor for its deposition to the tax authorities. Therefore contractor's price/ rates shall be **exclusive of service tax** on output services.
- 6.1.2. The Indian Contractor shall submit to Purchaser documentary evidence of service tax registration and remittance records of such tax immediately after depositing the tax with the concerned authorities. Contractor shall obtain prior written consent from Purchaser before billing the amount towards such taxes.
- 6.1.3. In case the Purchaser is asked to deduct any such tax and deposit the same with the appropriate authorities, the proof of such payment shall be provided to the Contractor. However, any penalty etc for any default by the Contractor imposed by the authorities shall be the sole responsibility of the Contractor.

6.2. Works Contract Tax

- 6.2.1 Sales tax on transfer of property in goods involved in works contract is applicable as per laws in force in U.P. state .The contractor shall register

himself with the sales tax authorities of the state and submit proof of such registration to BHEL along with the first RA bill. Deduction of tax at source shall be made as per the provisions of law. The TDS shall be deducted from the bills of the contractor and deposited with the UP trade tax authorities. Present rate of TDS on this account is 4 % (Four percent). If UP Trade tax authorities allows compounding scheme then the tax at source shall be deducted accordingly.

6.2.2 Contractor shall get his organization registered with concerned sales tax authorities within 30 days of award of this contract. The delay on this account and delay in bringing the material shall be to contractor's account and no extension of time shall be allowed on this account. The sales tax registration for this contract shall be forwarded to BHEL. In case the contractor is already registered for sales tax with Govt. Authorities he must quote his registration no., while submitting their tender.

6.2.3 Contractor has to make his own arrangement at his cost for completing the formalities, if required, with Sales Tax Authorities, for bringing their materials, plants, and equipment at site for the execution of the work under this contract.

6.3. Income Tax

6.3.1. Income Tax at the prevailing rate on gross value of work done and applicable surcharge/ cess shall be deducted from the bills as per relevant rules unless exempted by the Income Tax Authorities.

7. NEW TAXES/ LEVIES

7.1. In case the Indian Government (Central/ State) imposes any new tax/ levy on the output services/ goods / work after the award of work, the same shall be reimbursed by BHEL at actuals. Similarly, any statutory variation on such score shall be to the account of BHEL. All necessary documents as required by BHEL shall have to be provided by the Contractor. However, in the event of delay in work execution attributable to the Contractor, the new taxes/ levies imposed during the delay period shall not be reimbursed to the Contractor.

7.2. In case any tax/levy/duty etc becomes applicable after the date of Bidder's offer, the Bidder/ Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of the Price Bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.

7.3. No reimbursement on account of increase/ decrease in the rate of taxes, levies, duties etc on input (goods/ services/ work) shall be made. Bidder has to make his own assessment of the impact of future variation if any, in rates/ duties/ levies etc in his price bid.

8. BANK GUARANTEES

- 8.1. The value of Contract Performance Bank Guarantee (CPBG) shall be 10% of the Contract Price. The CPBG shall be issued as specified in General Conditions of Contract.
- 8.2. The value of Performance Bank Guarantee (PBG) shall be 10% of the Contract Price. The PBG shall be issued as specified in General Conditions of Contract.
- 8.3. The Contract price shall be as per clause no.1.11 of GCC-A

9. EQUIPMENT GUARANTEE

- 9.1. The Equipment shall be guaranteed by the Vendor for a period of 18 months from the date of commissioning or 24 (twenty four) months from the date of supply whichever is earlier .

10. PENALTY FOR DELAY

- 10.1. The delivery of Equipment shall be made within the time prescribed. Failure to dispatch the Equipment in time as per the delivery specified above would make the Vendor liable to an un-conditional penalty at the rate of one half percent (1/2%) of the supply Order value only for delay of each week (or part thereof) subject to a maximum of ten percent (10%) of the only supply Order Value.
- 10.2. The installation & commissioning of the Equipment shall be completed within the time prescribed. Failure to complete the work as per the time specified above would make the Vendor liable to an un-conditional penalty at the rate of one half percent (1/2%) of the installation, testing and commissioning Order value only for delay of each week (or part thereof) subject to a maximum of ten percent (10%) of the only installation , testing and commissioning Order Value.
- 10.3. However, if the supply of Equipment is delayed and the work of installation & commissioning of the machine is completed ahead of schedule, the penalty for delay will be reduced to the extent of the time saved during installation & commissioning.
- 10.4. The Order value shall be as per clause no. 1.11 of GCC-A

11. VARIATION IN SCOPE OF WORK

- 11.1 BHEL reserves the right to add or delete items of scope of work depending upon the final requirement. For such addition or deletion the Contract price shall be adjusted based on the quoted unit price. Such variation is not expected to be more than $\pm 20\%$. The price quoted by the Contractor shall be valid for such variation. Variation beyond the above limit can be executed on mutually agreed rates.

12. EXTRA WORK

- 12.1. The Vendor shall, when requested by BHEL, perform extra work at mutually agreed rates.

13. GENERAL

- 13.1. The evaluation of the offer will be strictly based on information submitted by the bidder. In view of this the bidder is requested to go through tender document carefully and furnish all details clearly. Missing information may not be asked by BHEL before evaluating the offer.
- 13.2. The vendor shall check that his offer is complete in all respect as per check list given in Annexure SCC-1. A signed copy of Annexure SCC-1, duly filled in, shall be submitted along with the Offer.
- 13.3. Unpriced Price Bid to be submitted along with Part-I offer along with detailed list of spare parts quoted.

Annexure- 1 of SCC

**Check List for Commercial Terms and Conditions
(To be filled and submitted along with Part-I Offer)**

Sr. No.	DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED / CONFIRMED BY VENDOR	REMARKS
1	Technical confirmation to BHEL's Specification as called for in BHEL Format is furnished.		
2	Prices have been quoted item wise only as per the format in Section III.		
3	Prices have been quoted on "FIRM PRICE" basis only.		
4	Installation & commissioning charges have been mentioned in the offer.		
5	Validity of offer has been mentioned in the Offer.		
6	Delivery period from the date of Letter of Intent has been mentioned in the offer.		
7	Confirmation for acceptance of Penalty has been given in the offer.		
8	Confirmation for acceptance of the Risk Purchase clause has been given in the offer.		
9	Confirmation for acceptance of Payment terms is available in the offer:		
10	Confirmation to provide Contract Performance Bank Guarantee (CPBG) has been given in the Offer.		
11	Confirmation for submission of Performance Bank Guarantee (PBG) as available in the offer.		
12	Confirmation that any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Jagdishpur basis is available in the offer.		
13	Confirmation that the Equipment ordered will be inspected and proved at vendor's works prior to dispatch. However final inspection and acceptance of equipment will be after installation at BHEL, Jagdishpur.		
14	Confirmation that the equipment shall be guaranteed for a period 18 months from the date of commissioning or 24 (twenty four) months from the date of supply whichever is earlier .		

15	Confirmation that the vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost.		
16	Other point: BHEL may decide to process the case through Reverse Auction . Vendor to give their confirmation for participation .		

NOTE: -

It is confirmed that all the terms and conditions stipulated in the Tender Enquiry have been fully understood by us and all clarifications & details have been obtained.

Signature & Office Seal of the bidder

Annexure- 2 of SCC

Tenderer must fill the format below for all the items except price and should attach with technical part of the bid (Part-I) and with price in price part of the bid (Part-II)

Sl.No.	Description	Unit Rate (Lump Sum in Rs) OR (In Percentage)	Remarks
1	WHETHER BASIC UNIT EX-WORKS PRICE QUOTED IN PRICE BID PART-II	YES / NO	
2	WHETHER PACKAGING AND FORWARDING CHARGES QUOTED IN BID PART-II	YES / NO	
3	RATE OF EXCISE DUTY + CESS	% OF	
4	RATE OF CST AGAINST FORM-C	% OF	
5	RATE OF SERVICE TAX +CESS	% OF	
6	RATE OF VAT	% OF	
7	WHETHER FREIGHT CHARGES QUOTED IN PRICE BID PART-II	YES / NO	
8	WHETHER TRANSIT INSURANCE CHARGES QUOTED IN PRICE BID PART-II	YES / NO	
9	WHETHER OCTROI CHARGES QUOTED IN PRICE BID PART-II	YES / NO	
10	ENTRY TAX (IF ANY)		
11	DISCOUNT (IF ANY)		
12	VALIDITY OF OFFER		
13	DELIVERY PERIOD		
14	PAYMENT TERMS		
15	SUBMISSION OF MFG. TEST CERTIFICATE		
16	WARRANTY		
17	INSPECTION		
18	WHETHER CENVAT CREDIT IS AVAILABLE	YES / NO	
19	OTHERS		

Note:

1. Offers should preferably be submitted as per the terms and conditions of the NIT and should be indicated "As per NIT" . However, in case of any deviation, the same should be specifically furnished by the bidders in above columns.
2. The bidders should clearly mention whether or not the charges against all above columns are included in their quoted prices.
3. Bidders are required to quote all the applicable charges **OR** clearly mention **N.A** .against items which are not applicable.
4. For the **charges quoted in percentage**, bidders must **specify the price component** on which it is chargeable.
5. Prices shall be "F.O.R. destination" basis as per price bid.
6. **Bidder must clearly state in case CENVAT credit is available . The amount of CENVAT Credit available to BHEL will be considered in bid evaluation.**

SECTION - III
PRICE BID FORMAT
(LAN system at CSU, Jagdishpur)

TENDER NO. & DATE: BHE/CSU/CVL/SER/02

BIDDER'S NAME , OFFER NO. & DATE:

S No	Description of item	Unit	Qty	Price Ex works (Rs.)		Packaging & forwarding charges	Total Excise Duty (Rs)	Total Sales Tax (Rs)	Freight (Rs)	Any other taxes/charges Pl. Specify *(Rs)	Total FOR Price. (Rs)
				Rate	Total Price						
A	<u>ACTIVE COMPONENTS</u>										
1	24 Port Managed Switch includes 20 x 10/100 Mbps ports plus 4-port Combo copper/fiber Gigabit Ethernet ports for use with 10/100/1000 Mbps (RJ45) or 100/1000 Mbps Ethernet Fiber (SFP)connectivity Make Foundry/Brocade Model FastIron WS624	No.	2								
2	1000BaseLX SFP optic SMF, LC connector Make Foundry/Brocade Model E1MG-LX	No.	3								
3	1000Base-T to 1000Base-LX SC Single- mode Media Converter (10km) Make D-Link Model DMC-810SC	No.	2								

S No	Description of item	Unit	Qty	Price Ex works (Rs.)		Packaging & forwarding charges	Total Excise Duty (Rs)	Total Sales Tax (Rs)	Freight (Rs)	Any other taxes/charges Pl. Specify *(Rs)	Total FOR Price. (Rs)
				Rate	Total Price						
B	<u>PASSIVE COMPONENTS</u>										
4	12U RACK Along with Cable Manager & Power DB	No.	1								
5	9U RACK Along with Cable Manager & Power DB	No.	1								
6	SINGLE INFORMATION OUTLET ECAT 6 With SMB Make Digilink	No.	30								
7	1 MT PATCH CORD CAT 6 Make Digilink	No.	30								
8	2 MT PATCH CORD CAT 6 Make Digilink	No.	30								
9	24 PORT PATCH PANEL CAT 6 Make Digilink	No.	2								
10	12 WAY LIU Make Digilink	No.	3								
11	PIGTAIL SC SM SIMPLEX LENTH-1M Make Digilink	No.	24								
12	LC-SC SM DUPLEX FIBER PATCH CORD Make Digilink	No	3								

S No	Description of item	Unit	Qty	Price Ex works (Rs.)		Packaging & forwarding charges	Total Excise Duty (Rs)	Total Sales Tax (Rs)	Freight (Rs)	Any other taxes/charges Pl. Specify *(Rs)	Total FOR Price. (Rs)
				Rate	Total Price						
13	SC-SC SM DUPLEX FIBER PATCH CORD Make Digilink	No.	1								
14	SC TYPE ADAPTOR SM Make Digilink	No.	24								
15	ADAPTER PLATE Make Digilink	No.	4								
16	6 port Blank plate Make Digilink	No.	2								
17	Optical Fiber Cable 6 Core SingleMode (IN MTR) Make Digilink	RM	850								
18	UTP CAT 6 BOX 305 m Make Digilink	No.	6								
19	STP CAT 6 BOX 305 m Make Digilink	No.	3								
20	1" GI Pipe for overground work	RM	150								
21	1" HDPE pipe for underground cable laying.	RM	600								
22	PVC conduit	RM	1000								
23	Antivirus software (Kaspersky)	user	30								

S No	Description of item	Unit	Qty	Price Ex works (Rs.)		Packaging & forwarding charges	Total Excise Duty (Rs)	Total Sales Tax (Rs)	Freight (Rs)	Any other taxes/charges Pl. Specify *(Rs)	Total FOR Price. (Rs)
				Rate	Total Price						
24	Supply of recommended spares for 2 years operation. Item wise price to be given separately	Set	1								
25	Sub Total Price (1 to24)										
26	Installation , Testing & Commissioning services.	LS	1			Nil	Nil	Nil	Nil		
27	Total Price including installation, testing & Commissioning services (25+26)	Grand Total Price (1 to26)									

Note:

1. Un-priced Price Bid to be Submitted along with Part-I , Techno – Commercial Bid indicating term “Quoted” wherever rates are quoted by the bidder in their sealed price bid.
2. Detailed list of Spares to be given along with Part-I , Techno – Commercial Bid.
3. The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, in case the item is “not applicable”.
4. Bidder must submit Annexure-2 of SCC duly filled with price along with the price bid. The same is also to be attached with the part-I , Techno – Commercial Bid but without price.
5. * Any other taxes/charges such as service tax, octroi, entry tax (ref relevant clause of SCC) to be specified separately .
6. The taxes and duties indicated by the party to be taken for evaluation purpose.
7. Abbreviations: LS= Lump sum, RM= Running meter, No.= Numbers

Signature with seal of bidder

SECTION-IV

TECHNICAL SPECIFICATIONS

24-port Edge Switch (Layer 2/3) – FE with GbE Uplink :

The switch should support Advanced Layer 2 switching and Base Layer 3 features like, Virtual Interfaces (VE), Routed Interfaces, IPv4 Static Routes, Routing between directly connected subnets, RIPv1/v2 announce, VRRP and DHCP Relay.

The Switch should offer Wire-Speed Non-Blocking Switching Performance. The switch should offer latency of less than 10 micro seconds for all packet sizes and with full features turned on.

The switch should support Ethernet, Fast Ethernet, Gigabit Ethernet interfaces, including 100BaseFX, 1000BaseSX, 1000BaseLX, 1000BaseT, Long Haul Gigabit Ethernet reaching distances of up to 70 and beyond.

Port Density

- The Switch should support 4 (Four) 1GbE SFP or 1GbE Copper 10/100/1000 RJ45 Combo Ports.
- The Switch should support 20 (Twenty) Copper 10/100 RJ45 Ports.

▪ Performance

- The switch should offer Non-Blocking & Wire-Speed Performance
- The switch should have a Minimum Switching Capacity of 12 Gbps when fully loaded.
- The switch should have a Minimum Forwarding Performance of 9 Mpps when fully loaded.

▪ Availability and Redundancy

- The switch should support External Redundant Power Supplies.
- Advanced Layer 2 service protection features: Rapid Spanning Tree, Per VLAN Spanning Tree, Protected link groups, UDLD, Link Fault Signaling (LFS), Remote Fault Notification (RFN)
- The switch should support standards based VRRP for layer 3 redundancy.

▪ Standards Compliance

- 802.1D-1998 Bridging
- 802.1q/p VLAN Tagging and Priority
- 802.1w Rapid Spanning Tree
- 802.1X Port-based Authentication, Dynamic VLAN, ACL, and MAC Filter Group Assignment
- 802.3 10Base-T
- 802.3 Ethernet Like MIB
- 802.3ad Link Aggregation (Dynamic and Static) and Trunk Groups
- 802.3u 100Base-TX
- 802.3x Flow control
- 802.3z 1000Base-SX/LX/T
- Auto MDI/MDIX

▪ Layer 2 Features

- 4,000 VLANs
- 16,000 MAC Addresses

- Protocol VLANs, subnet VLANs
- MAC-based VLANs
- Port Security (MAC Address Locking)
- Port-based Access Control Lists
- Dual Mode VLANs
- Fast Port Span
- BPDU Guard, Root Guard
- GARP VLAN Registration Protocol
- MAC filter based Mirroring
- Mirror/Monitor Ports
- Per VLAN STP (PVST/PVST+/PVRST)
- VLAN Groups
- L-2 Device should support up to 253 STP instances for VLAN.
- Uni-Directional Link Detection (UDLD)
- Port speed downshift and selective auto-negotiation
- Dynamic Voice VLAN Assignment
- Jumbo Frames up to 9,216 bytes
- IGMP Snooping (v1/v2/v3)
- MLD Snooping (v1/v2)
- PIM-SM Snooping
- Private VLANs and uplink-switch
- **Quality Of Service**
 - 802.1p Mapping to Priority Queue
 - MAC Address Mapping to Priority Queue
 - ACL Mapping to Priority Queue
 - ACL Mapping to ToS/DSCP
 - ACL Mapping and Marking of ToS/DSCP
 - DiffServ Support
 - QoS Queue Management Using Weighted Round Robin (WRR), Strict Priority (SP), and a combination of WRR and SP
 - Priority queues should be 8.
- **Traffic Management**
 - Inbound Rate Limiting per port.
 - Outbound Rate Limiting per port and per queue.
 - Broadcast, Multicast and Unknown Unicast Rate Limiting.
 - ACL-based traffic policies.
- **Management And Control**
 - Virtual Cable Tester
 - 802.3 MAU MIB (RFC 2239)
 - Architecture for Describing SNMP Framework (RFC 2571)
 - BootP (RFC 951 & RFC 1542)
 - BootP/DHCP Relay (RFC 2131)
 - Bridge MIB (RFC 1493)
 - Configuration Logging
 - Ethernet Interface MIB (RFC 1643)
 - Ethernet MIB (RFC 1643)
 - Embedded HTTP (RFC 2068)
 - Embedded HTTPS (RFC 2818)
 - Industry Standard Command Line Interface (CLI)

- Integration with HP OpenView for Sun Solaris, HP-UX, IBM's AIX, and Windows NT Standalone Windows NT
- Network Manager with web-based graphical user interface
- Embedded web management
- sFlow (RFC 3176)
- MIB-II (RFC 1213)
- Repeater MIB (RFC 1516)
- RMON MIB (RFC 1757)
- SNMP Message Processing and Dispatching (RFC 2572)
- SNMP MIB II (RFC 1573)
- SNMP View-based Access Control Model SNMP (RFC 2575)
- SNMPv1/v2c (RFC 1157)
- SNMPv3 Applications (RFC 2573)
- SNMPv3 Intro to Framework (RFC 2570)
- SNMPv3 User-based Security Model (RFC 2574)
- SNTP Simple Network Time Protocol
- Support for Multiple syslog Servers
- TELNET Client and Server (RFC 854)
- TFTP (RFC 783)
- **Element Security Options**
 - Authentication, Authorization, and Accounting (AAA)
 - Bi-level Access Mode (Standard and EXEC Level)
 - Protection for Denial of Service attacks
 - RADIUS
 - Secure Copy (SCP)
 - Secure Shell (SSHv2)
 - TACACS/TACACS+
 - Username/Password

Section V**Qualifying Requirement**
(Eligibility criteria)

1. **Tender Enquiry No.** BHE/CSU/CVL/SER/02
2. **ITEM DESCRIPTION** Supply, installation, testing and commissioning of Local Area Networking (LAN) system
3. **QUANTITY** As per Price schedule section -III
4. **ELIGIBILITY CRITERIA**

The eligibility criteria of bidder to qualify for this tender shall be :

- a. Only those bidders, who have supplied and commissioned at least one same or higher sizes for similar applications of LAN system in the past seven years (on the date of opening of tender) and such system is working satisfactorily for more than six months after commissioning (on the date of opening of tender), should quote. The following information should be submitted by the vendor about the companies where similar system have been supplied along with financial soundness certificate. This is required from all the vendors for qualification of their offer.
- b. Month and year of commissioning.
- c. Performance certificate from the customer regarding satisfactory performance of system supplied to them (original certificate or through e-mail directly from the customer). The original certificate may be returned after verification by BHEL, if required.
- d. The Tenderer shall be financially sound .Banker's solvency certificate is required

5. DOCUMENTS REQUIRED

The Tenderer shall submit following documents in respect of possessing Qualifying requirements as under duly certified and stamped by his authorised signatory:

- a) List of Jobs undertaken with details and value meeting the above conditions.
- b) Copies of supply / work orders issued by customers.
- c) Copies of completion certificates issued by customers.
- d) Copies of audited profit and loss accounts accompanied by relevant schedules for turnover figures.
- e) Authorization certificate from OEM if bidder is an authorized dealer.