



Bharat Heavy Electricals Limited
Electronics Division
Mysore Road, Bangalore – 560 026

NOTICE INVITING TENDER

1. Tender Reference : BHEL/ITS/ARS/2016-17/Lease dtd 02/09/2016
2. Name of the work : Supply, Installation and Maintenance of Biometric, Smart card based Access Control & Attendance Recording System on Financial Lease
3. Duration of Contract : **Five Years**
4. Earnest money deposit : Rs. 1,50,000/- (Rs. One lakh fifty thousands only)
5. Last date and time for the receipt of tender : before 13.00 Hours on 23/09/2016
6. Date and time for tender opening : At 13:30 Hours on 23/09/2016
7. Place of submission of tender : To be dropped in the **IT&S (Box No. 2)**
Tender Box kept in the Reception Area at BHEL,
Electronics Division, Mysore Road, Bangalore – 560 026
In case of any difficulty in dropping the tender in the
designated tender box, it may be handed over to the following
personnel before the due date and time:
1) Mr. Sachin Kumar, IT&S, 26998471

This tender document contains Instructions to bidders, Scope of work, Price schedule etc. as follows.

1. Scope of Work and Instructions & Guidelines to bidders – Annexure I
2. Pre-Qualification Criteria – Annexure II
3. General Terms and Condition – Annexure III
4. Commercial Terms & Conditions and Compliance Format – Annexure IV
5. Technical Specifications & Compliance Format - Annexure V
6. Price Bid Format/Declarations/Certificate – Annexure VI
7. Terms & Conditions of Reverse Auction – Annexure VII
8. List of BHEL Consortium Banks – Annexure VIII

Note: The bidder shall return the duly filled in Tender Documents after affixing signature and seal on all pages.

For Bharat Heavy Electricals Ltd.

Sachin Kumar
Engineer/IT&S
Ph# 08026998471, 08026989546



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Annexure - I

1. SCOPE OF WORK

The scope of supply consists of design, supply, installation & commissioning of Biometric and Smart Card based Access control and Attendance Recording system (herein after referred as ACARS) for Electronics Division, a unit of BHEL, located at Mysore Road, Bangalore.

The system will provide an integrated solution for ACARS and will consist of the following:
20 nos. of stainless steel turnstiles with 40 nos. of Readers (Contactless smart card & biometric) will be installed near the gates. The turnstiles shall have bidirectional rotation (In/Out) based on the input of the reader. Fixing of the turnstiles and readers is in the vendor's scope.

1 no. of reader (Contactless smart card & biometric) without turnstiles to be installed at the Unit Head Office.

The locations of 21 attendance recording stations are as below:

S No	Location	Turnstile Nos	Turnstile Qty	No of readers
1	Check Gate 1	01-09	09	18
2	Check Gate 2	10-12	03	06
3		13-18	06	12
4		19-20	02	04
5	At NEB first floor	-	-	01

Switches and Cat 6 cable used for networking will be provided by BHEL. However all necessary networking accessories required for the installation is in the scope of the vendor. Cable laying from access control system to switches is in the scope of the vendor.

Enrolment, Preparation and printing of Smart cards is under vendor scope.

All relevant software upgrades in respect of all software supplied by the vendor under this tender should be provided during the period of contract at no extra cost to BHEL.

UPS power source point for readers and turnstile will be provided by BHEL. Vendor needs to tap the power from that source only. All required electrical, mechanical, civil works, cable routing etc. shall be under vendor's scope.

Any other items required to complete the system in full even though not specified in the tender, the same must be included and shall be quoted as a package without any extra cost to BHEL.



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2. INSTRUCTIONS & GUIDELINES TO BIDDERS:

2.1. DEFINITIONS:

- a) **BIDDER:** Bidder means the Original Equipment Manufacturer/System Integrator who is offering the ACARS for this tender. Bidder should be single entity and not a consortium.
- b) **VENDOR:** The successful bidder who will be installing and maintaining ACARS during the entire lease period.
- c) **OEM:** OEM means Original Equipment Manufacturer whose equipment is being offered by the bidder for this tender.
- d) **LESSOR:** The owner of ACARS that is to be leased under an agreement to the lessee.
- e) **LESSEE/PURCHASER:** Bharat Heavy Electricals Limited, Electronics division, Mysore road, Bangalore 560 026, a Unit of Bharat Heavy Electricals Limited (A Govt. of India Undertaking) incorporated under the Companies Act having its registered office at BHEL House, Siri Fort, New Delhi-110049, India and shall be deemed to include its successors and assigns. It may also be referred to as BHEL.
- f) **SIMILAR WORKS:** Similar works for the purpose of PQC evaluation is defined as the supply, installation and maintenance of Biometric, smart card based system not necessarily executed on financial lease.

2.2. BIDDER TO INFORM HIMSELF FULLY:

- a) The bids for this tender are solicited only from Original Equipment Manufacturer/System Integrator who is offering the ACARS. Bidder should be single entity and not a consortium. Financing agencies are not eligible for bidding.
- b) In case bidder brings any third party financing agencies, details are to be furnished as part of the techno-commercial bid.
- c) The bidder shall closely peruse all the clauses, specifications and requirements etc., indicated in the tender documents, before quoting. Should the bidder have any doubt about the meaning of any portion of the tender specifications or find discrepancies or omissions in the specifications or if the tender documents are found to be incomplete or require clarifications on any of the technical aspects, scope of work etc. he shall at once contact the official inviting the tenders, for clarifications, before submission of the tender.
- d) Bidders are advised to study all the tender documents carefully. Any submission of tender by the bidder shall be deemed to have been done after careful study and examination of the tender documents and with the full understanding of the implications thereof.



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2.3. EXPECTATIONS FROM BIDDER

Bidder is required to give a total solution & services as per specifications enclosed. The Bidder is fully responsible for the services and the total solution. In case any extra item is required for complete functioning of the system, the same must be quoted.

3. SITE SURVEY

It may be noted that the detailed bill of quantities is provided as part of the document. However locations of equipment, measurements are not provided for installation related activities. Hence bidders are invited to conduct site survey of locations (EDN Mysore Road) prior to submission of bids to assess the actual site condition and arrive at actual requirement like installation required etc. Bidders are required to quote based on the survey for civil and installation activities.



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ANNEXURE – II

1. PRE- QUALIFICATION CRITERIA:

“Bidder” means the Original Equipment Manufacturer or System Integrator who is offering the ACARS.

“OEM” means the Original Equipment Manufacturer whose equipment (Biometric and smart card readers) is being offered by the Bidder for this tender.

Principal Manufacturer: Principal Manufacturer means OEM of Biometric and smart card readers in case system integrator is bidder.

The Bidder shall fulfil the following qualification criteria, which shall be backed by necessary documents.

- i. Equipment: Bidder should be either Original Equipment manufacturer or should be Authorized System Integrator partner having direct purchase and support agreement with the OEM for biometric Smart Card Readers quoted for this tender. In case the bidder is a system Integration Partner of the Principal Manufacturer, a valid certificate from the Principal manufacturer clearly stating the relationship with the Partner and authorization to the Partner to quote for this specific tender is to be furnished. The certificate/Authorization Letter specific to this tender must be enclosed by Authorized Representative of the OEM with the Technical Bid.
- ii. The Bidder shall have back-to-back agreement with the OEM to provide service and spare support for at least 5 years for the offered solution. Bidder shall give an undertaking to provide the agreement on award of contract.
- iii. The Bidder should have a Registered and Incorporated office in India. Corporate Identification Number (CIN) shall be provided by the bidder.
- iv. Local Presence: Bidder should have office at Bengaluru area with supporting staff. Proof (service tax/sales tax/VAT registration /property tax receipt) should be given.
- v. Bidder should have a clean track record, i.e. the bidder should not be under hold or blacklist by any of the BHEL units as on bid opening date. To this effect, a declaration should be given by the bidder
- vi. The Bidder’s Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the reference value.

Certificate from bankers/chartered accountant/IT return in this regard should be submitted along with the offer.



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vii. The bidder should have experience in successfully executing project involving ACARS in India during last 7 years ending last day of month previous to the one in which applications are invited. The experience should be either of the following:

i. Three similar completed works costing not less than the amount equal to 40% of the reference value.

OR

ii. Two similar completed works costing not less than the amount equal to 50% of the reference value.

OR

iii. One similar completed work costing not less than the amount equal to 80% of the reference value.

Bidder shall provide customer references with number of equipment supplied and year of commissioning including details such as: Name of the unit / company, Name of the contact person; Address/ e-mail id, Mobile and Office phone of contact person, Month & year of commissioning of the ACARS, Solution provided, System Guarantee, Service Support provided etc. for verification

Bidders can submit PO copies which have been executed.

viii. The proof of successful installation of ACARS should be attached with the technical bid.

ix. The reference PO should be on the name of the bidder. The order copies of referred projects and successful completion/ performance certificate from the customer along with the offer is to be submitted.

x. In case bidder submits PO copy of order(s) in which ACARS is a part of it, the bidder has to provide the break-up of the ACARS portion explicitly.

xi. A bidder shall submit only one bid of a single OEM for Readers.

Note: Reference value for this tender is Rs. 55 Lakhs.



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ANNEXURE – III

1. GENERAL TERMS AND CONDITIONS

1.1. SUBMISSION & OPENING OF BIDS

The offer shall be submitted in **two** parts as follows in separate sealed envelopes.

1.2. PART-I: EMD & TECHNO-COMMERCIAL BID

This part shall consist of the following:

- a) EMD in the form of Pay Order/ Bank Draft in favour of “Bharat Heavy Electricals Limited” payable at Bangalore. In the absence of submission of EMD, the offer is liable for rejection; however eligible MSE bidders are exempted.
“MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of CA certificate (format enclosed at Annexure-3A where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such document will lead to consideration of their bid as par with other bidders. No benefits shall be applicable for this enquiry if any deficiency in the above required document is not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by Gazetted officer.”

The Earnest Money will be refunded to the bidders after finalization of the award of work.

- b) Technical offer/ details including literature/leaflets, detailed BOM, block schematic, power wiring diagram, the System Requirement Specification (technical write-up) and data sheets of system components offered.
- c) The bidder can offer only as per technical specifications of the equipment.
- d) Authorization letters from OEMs.
- e) Certificates enlisted in technical specifications.
- f) Technical Compliance Statement as per enclosed format only.
- g) Commercial terms compliance statement as per enclosed format only.
- h) Unpriced copy of price bid as per enclosed format only.
- i) Documentary evidence as mentioned in the prequalification criteria.

- 1.3. The Lessee reserves the right to accept or reject the technical offer. Price bids of only techno-commercially short listed bidders will be opened. **The technical & commercial bid should not include prices.**



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1.4. PART-II: PRICE BID

- a) Price bid containing PRICES only is to be submitted (in the enclosed Price Schedule format only). Prices shall be quoted in Indian Rupees only. Bidder has to give details of applicable Duties and Taxes.
- b) **Price Bid should not contain any technical details and/or Commercial Terms & Conditions** as the same are supposed to be contained in PART-I only so that the same can be evaluated before opening of Price Bid(s).

1.5. BHEL reserves the right to resort to **Reverse Auction** procedure to decide the lowest price bid among techno-commercially cleared bids. The bidders should provide consent letter agreeing for Reverse Auction. In case BHEL does not resort to Reverse Auction, the submitted price bids only shall be opened as per BHEL's standard practice without seeking revised quotes on account of BHEL not going for reverse auction. BHEL Terms & Conditions for Reverse Auction is as per Annexure VII.

1.6. **MARKING ON ENVELOPE:** Part-I and Part-II offers shall be submitted in two separate envelopes with bidder's distinctive SEAL and super-scribed as follows.

PART – I:

1. TENDER ENQUIRY NUMBER AND ITEM DESCRIPTION
2. DUE DATE OF OPENING
3. "TECHNO-COMMERCIAL BID"

PART – II:

1. TENDER ENQUIRY NUMBER AND ITEM DESCRIPTION
2. DUE DATE OF OPENING
3. "PRICE BID"

1.7. Tenders should be addressed to the **AGM (IT&S), Electronics Division, Bharat Heavy Electricals Limited, Mysore Road, Bangalore – 560 026**. The full name and address of the bidder, the name of the work and date of opening should be indicated on the cover.

1.8. Tenders submitted by post should be sent by "**Registered Post with Acknowledgement Due**". These should be posted with due consideration for any delay in postal delivery. Tenders received after the due date and time of opening of tenders are liable to be rejected.

1.9. If in any case, the date of tender opening falls on Holiday, the tender will be opened on the next working day.



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2. General Instructions and Guidelines

- 2.1. The local address of the bidder, the name of the person to whom all the correspondence are to be addressed should be indicated with telephone number and FAX / E-mail address.
- 2.2. Bidder shall fill in all the required particulars in the format provided for this purpose in the tender documents and also sign each and every page of the tender document including the drawings attached there to before submitting tender.
- 2.3. Bidder shall not increase their quoted rates, once the bidder has submitted his quotation and during execution of the entire contract period in case his tender is accepted.
- 2.4. In case, bidder finds discrepancies or omissions in the drawings / specification / details attached to the tender documents or should be in doubt as to their meaning he should at once address to the authority inviting the tender for clarifications. Every endeavour is made to avoid any error which can materially affect the basis of the tender but the successful bidder shall take upon himself to provide for the risk of any error which may be subsequently discovered and shall make no subsequent claim on account thereof.
- 2.5. In the event of tender being submitted by a firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of the firm concerned.
- 2.6. If after opening of tenders, a bidder revokes his tender or increases his earlier quoted rates or after acceptance of his tender does not commence the work in accordance with the contract/order, the Earnest Money deposited by him will be forfeited and acceptance of his tender withdrawn.
- 2.7. Tenders are liable for rejection, If tender is:
 - a) conditional and unsigned
 - b) containing absurd rates and amounts
 - c) incomplete or otherwise considered defective
 - d) not in accordance with the tender conditions.
 - e) not submitted in the prescribed forms.
 - f) received after due date and time (late offer).
- 2.8. If the bidder deliberately gives wrong information in his tender, BHEL reserve the right to reject such tenders at any stage. Further the bidder will be liable for any damage caused.
- 2.9. Words imparting the singular number shall also be deemed to include the plural number and vice-versa where the context so requires.
- 2.10. No correspondence shall be entertained from the bidders after the opening of Price Bid(s).



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2.11. Unsolicited revised Price Bids shall not be entertained at any stage of the tendering process and will lead to automatic disqualification of the party's bid.

2.12. In case, the bidder opt to finance/operate the leasing through a third party financier /lessor, the bidder shall furnish details including the terms of such tie up in the technical offer and shall agree to execute a tripartite agreement wherein the bidder along with the financier-lessor shall agree terms of such leasing/financing with BHEL.

2.13. Wherever, Service Tax is applicable

1. The Tenderers shall furnish the service Tax Registration Number in their offer
2. If the Tenderer is not having Service Tax Registration Number, he shall submit an undertaking to the effect that
 - a. in case he is awarded the contract, he shall register with Service Tax Authorities and furnish the Registration Number before commencement of work.

OR

- b. his turnover value is below the threshold limit prescribed by the Service Tax Act and in case he is awarded the contract, whenever his turnover crosses the threshold limit at any time during the execution of the contract, he shall forthwith register with Service Tax Authorities and furnish the Registration Number to BHEL. (This sub-clause is NOT applicable where the taxable turnover of the present tender is above the prescribed threshold limit).
3. Any offer not complying with the above clauses is liable to be rejected.
4. The above clauses apply even where the price quoted is “inclusive of taxes”.
5. If the Service Tax Registration Number is not furnished to BHEL before the first bill is submitted (except as provided in clause 2(b) above), the bills will not be passed (even if the price is “inclusive of taxes”).
6. In case of contracts involving multiple bills, every bill (commencing with the 2nd bill) shall be accompanied with a declaration that the contractor has discharged his tax liability on the earlier bill (i) by paying the money to the Government (along with Challan details) or (ii) by utilization of input Service Tax Credit available with him or (iii) being exempt as his turnover continues to be below the threshold limit. In the absence of such a declaration, the bill shall not be passed.
7. In case of contracts involving a single bill, the bill shall be accompanied with an Undertaking that the contractor shall discharge his tax liability on that bill as per law.



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3. RATES

- 3.1. Rates to be quoted are net F.O.R. destination inclusive of freight, handling and packing charges, transit insurance, installation, insurance during the entire lease period and on-site comprehensive maintenance including spares and deployment of service engineers during the entire lease period and shall remain FIRM without any variation till completion of the lease contract. However, all applicable taxes like Service Tax, Lease Tax/ Right-To-Use (RTU) Tax will be reimbursed extra as per actuals.
- 3.2. Rates are to be quoted as per Price Bid Format only providing details of prevailing rates of taxes and duties. Bidders, in their own interest, are requested to check up the different tax tariff like “Right to use” etc. After opening of Price Bid, no request for any change in rates/tariff due to above will be entertained.
- 3.3. Unit rates should be quoted in figures as well as in words in Indian Currency only, i.e. Rupees and Paise with reference to each model. The rates shall include taxes and duties payable on account of Octroi, Sales Tax, Tax on works Contract etc.
- 3.4. In quoting their rates, the bidders are advised to take into account all factors including any fluctuations in market rates. No claim for enhanced rates will be entertained on this account after acceptance of the tender or during the currency of the contract.

4. TENDER EVALUATION

4.1. Stage-I: Evaluation of Technical & Commercial Bid

- a) Only those Bidders who meet all the requirements as per Pre-Qualification Criteria (**Annexure-II**) for Bidders will be considered for further evaluation.
- b) Technical and commercial bid of the bidder shall be evaluated for acceptability of Technical offer, technical suitability and acceptance of technical and commercial terms.
- c) During the Technical Evaluation of the bid, clarification and queries requested by BHEL shall be responded to within the reasonable time in order to avoid delay in evaluation of technical bid. Failure to do so may result in rejection of the bid.

4.2. Stage-II: Evaluation of the Price Bid:

- a) Technically cleared offers will be considered for price evaluation.
- b) Evaluation of the offer will be based on L1 of the Net total value for the entire scope of work i.e. total lease value for 5 years inclusive of taxes LESS Total Buy-back value



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with applicable taxes.

- c) The Total Price shall be for the complete scope as per technical specifications, inclusive of comprehensive on-site maintenance including repair/replacement of parts during the entire Financial Lease(Rental and Maintenance Charges) period, all taxes & duties, insurance, Freight & insurance charges, Packing & forwarding charges, any other incidental charges, etc. Applicable % of taxes& duties should be clearly indicated in price bid format.
- d) The contract will be awarded to a single party for the total scope, based on the above evaluation.
- e) Discrepancy in Words & Figures-quoted in price bid
 - 4.2.e.1. If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - 4.2.e.2. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - 4.2.e.3. If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (4.2.e.1) and (4.2.e.2) above.
 - 4.2.e.4. If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored
- f) The bidder shall quote the quarterly financial lease charges (Rental and Maintenance Charges) for the system for 5 years and one time installation charges. Breakup of rental and maintenance charges shall be mentioned. Bidder shall also indicate all the applicable taxes.



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5. ETHICAL STANDARD:

Bidders are expected to observe the highest standard of ethics during the procurement and execution of this contract. In pursuit of this policy, BHEL will reject a proposal for award if it determines that the vendor being considered for award has engaged in corrupt or fraudulent practices in competing for the contract. for the purposes of this provision, the terms set forth below are defined as follows: a) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action in the procurement process or in contract execution; and b) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process including collusive practices designed to establish bid prices at artificial, non-competitive levels to deprive the benefits of competition to BHEL. By signing the bid forwarding letter, the bidder represents that for the software it supplies, it is the owner of the intellectual property rights. Wilful misrepresentation of these facts shall be considered a fraudulent practice without prejudice to other remedies that BHEL take.



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Annexure-3A

Certificate by Chartered Accountant on letter head

This is to Certify that M/S, (hereinafter referred to as company) having its registered office at is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part-II)..... dtd:, Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year.....as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises :** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1772(E) dated October 5, 2006:
Rs.....Lacs
2. **For service Enterprises :** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro/Small **(Strike off which is not applicable)** Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) **(Strike of which is not applicable)** and the date of graduation of such enterprise from its original category is..... (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No.3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name –

Membership number –

Seal of Chartered Accountant



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ANNEXURE – IV

1. COMMERCIAL TERMS & CONDITIONS

1.1. ORDER ACKNOWLEDGMENT

Letter of acceptance of the Order / Contract is to be submitted within one week. Otherwise it is deemed to have been accepted.

1.2. PERIOD OF CONTRACT:

The period of contract is for five years on Financial (Rental and Maintenance Charges) lease.

1.3. VALIDITY OF OFFER:

The offer should be valid for 3 months from the date of opening of technical bid.

1.4. PERFORMANCE BANK GUARANTEE:

The successful Bidder (herein after referred to as **vendor**) should furnish a bank Guarantee from BHEL Consortium Bank (**Annexure VIII**) or Nationalised Banks, at no extra cost in a pro-forma prescribed by BHEL for an amount equivalent to 10% (Ten percent) of the value of the contract. The PBG shall be valid for throughout the contract period. If PBG is issued by a Foreign counter part of the BHEL consortium Indian Bank, in case of claim against the PBG, it will be lodged in any one of the Indian counters of the foreign bank's COUNTER PART of BHEL's consortium Indian Bank.

1.5. SUPPLY CONDITION:

All equipment supplied and installed shall be NEW and conforming to the contract technical specifications. The certificate of newness is to be furnished.

1.6. INSPECTION:

Ordered items shall be offered for pre-dispatch inspection before shipment. BHEL reserves the right to exercise the option to inspect the components on receipt at BHEL or give dispatch clearance based on vendor's inspection and other reports.

1.7. DELIVERY & INSTALLATION

- a) The vendor shall be responsible for timely delivery, installation and commissioning of all the hardware/software given in the scope of supply at BHEL's premises.
- b) Delivery and Installation period shall start from the date of placement of firm order.
- c) Delivery Period: **6 weeks from the date of order/LOI.**
- d) Installation Period: **9 weeks from the date of order/LOI.**
Loading Factor for installation period deviation: 2% per week upto max of 10% of the total quoted value (incl. of taxes) for the quoted installation period beyond



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the stipulated period.

1.8. PENALTY FOR LATE INSTALLATION

For the delay in installation owing to the reasons attributable to the vendor, penalty shall be levied at the rate of 0.5% of the total lease rent (incl. of taxes) per week subject to maximum of 5% of the total lease rent (incl. of taxes) for the entire lease period. The penalty will be deducted from payment to vendor in the first quarter rental charge. If it exceeds the payment to the vendor the balance will be adjusted from payment to the lessor in the first quarter. If the funds are insufficient the same will be adjusted from the subsequent quarters in the same way.

1.9. PAYMENT TERM

A certificate will be issued by BHEL after completing the installation. Lease period will start after issue of installation certificate by BHEL. The payment of Financial Lease (Rental and Maintenance Charges) charges will be made on quarterly basis after completion of each quarter and submission of invoice(s) in triplicate. If the lease period is not starting on a calendar quarter then payment will be made for the first and the last fractional quarters. Rest of the quarters will be calendar quarters. Payment will be released after submission of verified invoices and on certification by BHEL.

Installation charges like excavating, cable laying and price of all types of other accessories etc. will be limited to the quoted figure. The one-time charges like installation, and other accessories etc. will be paid on completion of installation and acceptance.

Payment will be through Electronic Fund Transfer (EFT) only. Details regarding bank account shall be provided in BHEL's standard format. The EFT or Paylink Direct Credit Form is enclosed. Bidder needs to fill the details as per the EFT or Paylink Direct Credit Form and attach a copy of Cancelled Cheque with it.

Invoices shall be submitted for ACARS as follows:

- a. Equipment leasing to be billed by Vendor/Lessor(Financing Agency)
- b. Maintenance charges to be billed by Vendor.

1.10. BANK CHARGES

Unless otherwise specified, the Bank charges, if any, shall be to the account of Vendor/Lessor.

1.11. WARRANTY & MAINTENANCE

- a) The warranty and maintenance of equipment shall be undertaken, for complete contract period from the date of installation certificate.
- b) The warranty and maintenance will be comprehensive with spares and labour. The



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maintenance will be inclusive of replacement of all defective components during the warranty period. The defective component may be permitted out of BHEL premises with BHEL's permission.

- c) The maintenance shall include installation / maintenance of all system components and software patches.

1.12. BUY BACK

The scope also includes buyback of old equipment (Turnstiles, readers) as is condition from BHEL. All handling charges, transportation, incidental charges etc. are in vendor's scope. If required, bidders may inspect the old machines at BHEL before submission of bid.

1.13.DEDUCTION FOR DOWNTIME

- a) QUARTERLY DOWNTIME CALCULATION FOR THE SUPPLIED EQUIPMENT& SERVICES

Vendor shall be responsible for running the system at the uptime of 99%. Vendor shall also be responsible for at least 98% uptime of each component of the system. The deduction for downtime will be as mentioned below. Deduction from quarterly payments to the vendor will be made for non-availability of the system and any of the components for not meeting the above uptime requirements. The amount exceeding the quarterly payment to the vendor will be deducted from payment to the lessor.

- b) **DOWNTIME CALCULATION**

System (as total/full):

If the system is down for 5 hours beyond 1% of grace downtime in a quarter

Quarterly Financial Lease (Rental and Maintenance Charges) amount of **entire system** is Rs. A Then the deduction will be: Rs. $(A / 90) * (5/24)$

Component:

If any of the component is down for 10 hours beyond 2% of grace downtime in a quarter.

Quarterly Financial Lease (Rental and Maintenance Charges) amount of **the component** is Rs. B Then the deduction will be: Rs. $(B / 90) * (10/24)$

Note:

1. Vendor has to provide component wise break-up of lease rental charges. For arriving at the lease rental charges of a component the prorate of outright price (of entire system) provided, will be considered.



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2. Vendor has to provide quarterly uptime report of the system and components.
3. If any equipment is down continuously for a month in spite of being serviced, the equipment shall have to be replaced by the Vendor, without any extra charge.

1.14. TRAINING

Training of BHEL personnel shall be part of the contract. During installation at BHEL, the associated BHEL coordinators shall be guided on the configuration being made and system usage. Exhaustive and detailed maintenance training shall be provided to BHEL.

1.15. INDEMNITY

- a) Vendor/Lessor shall fully indemnify and keep indemnified the Purchaser/Lessee against all claims which may be made in respect of the use of System, Software etc. by the Vendor/ Lessor, for infringement of any rights protected by patent, registration of designs or trademarks and legality of the Software. However the Vendor/ Lessor will have no obligation for any claim of infringement arising from third party products not supplied in the order, modifications and technical information/ instructions advised by purchaser and use of products prohibited by product manuals.
- b) In the event of any such claims being made against the Purchaser/ Lessee, Purchaser/Lessee will inform in writing to the Vendor/Lessor who shall at his own risk and cost either settle any such dispute or conduct any litigation that may arise there from.

1.16. INSURANCE

Insurance for the complete Systems/Goods shall be arranged by the Vendor/Lessor at his own risk and cost throughout the period of lease. Purchaser/Lessee, under any circumstances, will not be responsible for any loss/damage/theft of any Systems/goods, due to any reasons, whatsoever. Claim(s) etc., if any, will be dealt with the underwriters directly by the Vendor/Lessor.

1.17. CONFIDENTIALITY

Vendor/Lessor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the Purchaser/Lessee and also of the Systems, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalized during the course of execution of the order/contract. A third party non-disclosure agreement has to be submitted by the Vendor as per the following sample format.



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NON DISCLOSURE AGREEMENT

....., on behalf of(name of the Vendor),
.....(Address), (hereinafter vendor) acknowledge that the information received or generated, directly or indirectly, while working with Bharat Heavy Electricals Ltd (BHEL) on contract for AMC for Email, Proxy Servers and Linux File Servers (Contract) is confidential and that the nature of the business of BHEL is such that the following conditions are reasonable, and therefore execute this agreement in favour of BHEL:

We warrant and agree as follows:

1. The vendor hereby declare and acknowledge the fact that in the performance of contract with BHEL, the Vendor or any other personnel employed or engaged directly or indirectly by vendor will be exposed to various Confidential Information of BHEL i.e. information or material that is valuable to Company and not generally known or readily ascertainable or not intended to be known in the industry and other Institutions and further that vendor or any other personnel employed or engaged directly or indirectly by vendor shall disclose directly or indirectly any information or part of such information of BHEL. Without restricting the generality of the foregoing the Confidential Information aforesaid includes, but not limited to:
 - (a) Technical information concerning BHEL's, services and offerings, domestic and international operating model/s, contacts in various countries, correspondence and other such information including but not limited to BHEL's methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs / data / configuration and research projects etc. not available in the public domain;
 - (b) Information concerning BHEL's business, including but not limited to its contracts with various concerns, project schedules, pricing data, estimates, financial or marketing data, consortium partners, collaborators, JVs, cost information, profits, sales information, accounting and unpublished financial information, business plans, markets and marketing methods, customer lists and customer information, purchasing techniques, supplier lists and supplier information and advertising strategies;
 - (c) Information concerning BHEL's employees, including their personal data, salaries, strengths, weaknesses and skills;
 - (d) information submitted by BHEL's customers, suppliers, employees, consultants or co - venture partners with BHEL for study, evaluation or use;-
 - (e) Information of Quality systems, procedures and manuals and any other particulars developed exclusively at and for the BHEL or by its Consultants and
 - (f) Any other information not generally known to the public which, if misused or disclosed, could reasonably be expected to adversely affect BHEL's interests.



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2. The Vendor further covenants with the BHEL that the unauthorized disclosure or use of such Confidential Information by Vendor contrary to the agreement herein would cause
3. Irreparable harm and significant injury to the BHEL, the degree of which may be difficult to ascertain. Accordingly, the Vendor agrees that BHEL will have the right to withheld any benefits which may accrue for the Vendor from the contract(s) offered or assigned or awarded to him by the BHEL and take any necessary action for protection of such confidential information or for compensating losses that may be suffered due to such contravention of this agreement by the Vendor.
4. Further the Vendor agrees to the BHEL that in case he has committed or found to have been party to a breach of any provision of this Agreement, BHEL shall have the right to forthwith terminate the Vendor from the contract(s) with BHEL without any compensation and also to claim or recover any damages from him towards making good of the losses that the BHEL may suffer due to such violation by the Vendor without prejudice to any other right or claim for remedy, it may have at law or in contract.
5. In any such event of such termination, the Vendor shall, immediately return all copies of Confidential Information of the BHEL referred to in this Agreement.
6. The Vendor further agrees to the BHEL that
 - i. No failure nor any delay in exercising on the part of BHEL, any right or remedy under this Agreement, shall operate as a waiver thereof (in whole or in part), nor shall any single or partial exercise of any right or remedy prevent any further, future or other exercise thereof or any other right or remedy. The rights and remedies existing by virtue of this Agreement shall be cumulative and not exclusive of any rights or remedies provided by law.
 - ii. No term or provision hereof will be considered waived by BHEL, and no breach excused by it, unless such waiver or consent is in writing signed by an authorized representative of BHEL.
 - iii. No consent to, or waiver of, a breach by BHEL, whether express or implied, will constitute a consent to, waiver of, or excuse of any other, different, or subsequent breach by Vendor
7. The Vendor hereby irrevocably and unconditionally consent to submit to the exclusive jurisdiction of the courts of the Bangalore for any actions, suits or proceedings arising out of or relating to this Agreement and further agree that service of any communication, process, summons, notice or document by registered mail or courier service to the address set forth above shall be effective service of process for any communication, action, suit or proceeding brought against the Vendor.
8. This Agreement may be amended or supplemented only by a writing that is signed by duly authorized representatives of both parties.



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9. Notwithstanding any provision herein contained, nothing contained in this Agreement requires BHEL to proceed with the Contract, or to refrain from pursuing the contract with a third party and any provision herein contained shall not be construed as imposing on BHEL an obligation to provide or disclose any information
10. If any part of this Agreement is found invalid or unenforceable, that part will be amended to achieve as nearly as possible to achieve the same economic and legal effect as the original provision and notwithstanding that the remainder of this Agreement will remain in full force all times.
11. It further agreed that Vendor on conclusion of contract, shall return to BHEL all documents and property of BHEL, including but not necessarily limited to: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to BHEL, or in any way obtained by Vendor during the course of contract. Vendor further agree that vendor, or any others employed or engaged by vendor shall not retain copies, notes or abstracts of the foregoing.
12. This obligation of confidence shall continue after the conclusion of the contract also.
13. Vendor acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the Parties, and are reasonable given the nature of the business carried on by the Parties. Vendor agree that this agreement shall be governed by and construed in accordance with the laws of India.

Executed byon behalf of aforesaid vendor with full knowledge and understanding of the above terms and its respective meanings; and voluntarily without any duress whatsoever.

Datedof2016

.....

Signature

Seal



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1.18. FORCE MAJEURE

Vendor/Lessor shall not be responsible for delay in delivery resulting from acts/events beyond his control provided notice of the happening of any such act/event is given by the Vendor/Lessor to the Purchaser/Lessee within 15 days from the date of its occurrence. Such acts/events shall include but not be limited to acts of God, war, floods, earthquakes, strikes, lockouts, epidemics, riots, fire or Governmental regulations superimposed after the date of order/contract.

1.19. RISK PURCHASE

Purchaser/Lessee shall reserve the right to terminate the order/contract and purchase from elsewhere at the risk and cost of the Vendor/Lessor, either the whole or part of the Systems/goods, which the Vendor/Lessor has failed to deliver within the stipulated Delivery period or if the same were not available, the best and the nearest available substitute(s) thereof. The Vendor/Lessor would be liable to compensate the Purchaser/Lessee for any loss, which the Purchaser/Lessee may sustain by reason of such purchase. This clause will be operated only after completion of delivery period.

1.20. ARBITRATION

All disputes or differences whatsoever which may arise at any time during execution of the Contract shall be mutually settled by BHEL and Vendor as per provision of the Contract. However, in the event such disputes cannot be settled mutually, such disputes shall be settled as per the Arbitration and reconciliation Act, 1996 of the Govt. of India and its subsequent amendments. In case of disputes with the Central PSUs, the same shall be settled at Bangalore as per the Guidelines of the Govt. of India. However, during the period such disputes are settled either by mutual discussions between the parties or by legal means, Vendor shall continue to do the work as per terms & conditions of Contract.

1.21. SUB-CONTRACTING

Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser/ Lessee which will not be unreasonably withheld

1.22. TERMINAL PAYMENT

BHEL shall have the right to acquire or surrender all the systems at the end of the lease period. In case BHEL decides to acquire the systems, a nominal charge of Re.1.00/-(Re One only) per equipment will be paid as terminal payment.

In case of termination or surrender of systems by BHEL at the end of the lease period, Vendor/ Lessor will remove the equipment from Purchaser/Lessee's premises at his own risk and cost after due permission from BHEL.



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1.23. LIMITATION OF LIABILITY

The Vendor/ Lessor's liability will be limited to the scope of this contract only.

1.24. COMPLIANCE TO ESI / PF ACTS

- a) The vendor shall comply with the provision of Employees Provident Fund and Miscellaneous Provisions Act 1952 and rules, regulations and other orders issued thereunder. He as an employer shall be liable to pay employer's contribution/deductions towards PF under the PF Act in respect of all labour employed by him for the execution of the contract in accordance with the provisions of the Employees Provident Funds and Miscellaneous Provisions Act, 1952 as amended from time to time. For this purpose he shall indicate the code number obtained from the Regional Provident Fund Commissioner or he should obtain a code number if he has not and produce the Photostat copy of the challan / receipt of monthly remittance of the contribution made by him to the PF Commissioner. Final payments due to him will be released only on production of a "No due certificate" from the Regional Provident Fund Commissioner if applicable. He shall also furnish such returns as are due, under the Act, to be sent to the appropriate authorities through the Principle Employer".
- b) The Vendor should get himself registered with the E.S.I Authorities as an independent Employer, obtain a separate code number and remit the dues in respect of the labour employed by him for the work and produce the challans / Receipts of remittance of the ESI contributions due under the E.S.I Act to the Company authorities. He shall also furnish such returns, as are due under the Act, to be sent to the appropriate authorities through the Principal Employer.
- c) If any action is brought in by P.F. Commissioner/ESI authorities on BHEL for the work done by the Vendor for his labourers regarding PF/ESI amount due, short remittances, non-remittances etc., the Vendor shall defend the case on behalf of BHEL and/or reimburse BHEL the expenses so incurred.
- d) If applicable, the vendor shall insure all his labourers and materials. Any claim by his employees for damages shall be settled by the vendor even if action is against BHEL or to reimburse the legal expenses incurred by BHEL.
- e) Vendor shall produce necessary records, documents, explanation whenever he is called upon to by any Government agencies like ESI, PF, VIGILANCE etc.
- f) Above is applicable for the Service Engineer attending service calls at EDN.

1.25. Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form:

Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form

Please Fill up the form in **CAPITAL LETTERS** only.

TYPE OF REQUEST(Tick one): ☐ CREATE ☐ CHANGE

BHEL Vendor / Supplier Code:	
Company Name : Permanent	
Account Number(PAN): Address	

City:	PINCODE	STATE

Contact Person(s)	
Telephone No: Fax	
No:	
e-mail id:	

1 Bank Name:	
2 Bank Address:	
3 Bank Telephone No: 4	
Bank Account No:	
5 Account Type: Savings/Cash Credit	
6 9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank	
7 Bank swift Code(applicable for EFT only) 8	
Bank IFSC code(applicable for RTGS)	
9 Bank IFSC code(applicable for NEFT)	

- A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorise BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.
- B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
- C This authority remains in full force until BHEL, EDN, Bangalore receives written notification requesting a change or cancellation.
- D I have read the contents of the covering letter and agree to discharge the responsibility expected of me as a participant under ECS / EFT. Date:

Authorised Signatory:

Designation:

Telephone NO. with STD Code

Company Seal

Bank Certificate

We certify that _____ has an Account No _____ with us and we confirm that the bank details given above are correct as per our records.

Date: _____ (.....)

Place: _____ Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to: Bharath Heavy Electricals Ltd,

Attn:

Electronics Division, Mysore Road,

BANGALORE - 560 026

In case of any Query, please call : 080-26998xxx / 2674xxxx or fax no. 080-2674xxxx



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1.26. COMMERCIAL TERMS COMPLIANCE STATEMENT

S No	Description	Agreed / Yes	Not Agreed / No
1.26.1	Scope of Work: Whether the bidder has understood the scope work and indicated in the tender (If there is any clarification required, the same may be got cleared from the Executive in charge before submitting the offer).		
1.26.2	Period of Contract: The period of contract is for 5 years. However BHEL reserves the right to terminate the contract at any time without any prior notice or reasons whatsoever if in our judgment the performance is not satisfactory without any Liability whatsoever on the part of BHEL.		
1.26.3	Validity of the Offer: Whether the bidder agrees to that offer should be valid for 3 months from the date of opening of technical bid.		
1.26.4	Performance Bank Guarantee: Whether the bidder agrees for furnishing PBG as per clause 1.4 of Annexure -IV.		
1.26.5	Earnest Money Deposit: Whether the bidder has agreed to submit EMD as per terms and conditions and submitted along with Technical Bid.		
1.26.6	Supply Condition: Whether the bidder has agreed to supply and install all NEW equipment and agreed to furnish certificate of Newness as per clause 1.5 of Annexure -IV.		
1.26.7	Inspection: Whether the bidder has agreed to offer all components for pre-dispatch inspection at bidder works before shipment.		
1.26.8	Delivery & Installation: Whether the bidder has agreed to deliver and install equipment at BHEL as per clause, sub clauses of 1.7 of Annexure -IV.		



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1.26.9	Penalty for Late Installation: Whether the bidder agrees for the penalty by BHEL in case of late delivery and installation as per clause 1.8 of Annexure –IV.		
1.26.10	Payment Term: Whether the Bidder/Lessor agrees for Payment terms as per clause 1.9 of Annexure- IV.		
1.26.11	Bank Charges: Whether the Bidder/Lessor has agreed to bear the Bank charges, if any as per clause 1.10 of Annexure -IV.		
1.26.12	Warranty & Maintenance: Whether bidder has agreed to terms and conditions, as mentioned in clause, sub clauses of 1.11 of Annexure - IV.		
1.26.13	Deduction in Downtime: Whether the bidder has agreed for deduction in case of downtime as per clause, sub clauses of 1.13 of Annexure –IV.		
1.26.14	Training: Whether the bidder has agreed to provide training on usage for BHEL users, per clause 1.14 of Annexure- IV.		
1.26.15	Indemnity: Whether the Bidder/Lessor agrees for indemnity terms as per clause 1.15 of Annexure- IV.		
1.26.16	Insurance: Whether the Bidder/Lessor has agreed to arrange Insurance, as per Clause 1.16 of Annexure -IV, for the complete Systems/Goods for any loss/damage/theft at his own risk and cost throughout the lease period. Claims, if any, will be dealt with the underwriters directly by Bidder/Lessor.		



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1.26.17	Confidentiality: Whether Bidder/Lessor has agreed to maintain confidentiality as per Clause 1.17 of Annexure –IV. Bidder shall execute a third party non-disclosure agreement as per the sample format, in case of award of order.		
1.26.18	Risk Purchase: Whether the Bidder/Lessor agrees for risk purchase as per clause 1.19 of Annexure –IV.		
1.26.19	Sub-Contracting: Whether the Bidder/Lessor has agreed that the order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the Purchaser/ Lessee.		
1.26.20	Terminal Payment : Whether the Bidder/Lessor agrees for Terminal Payment terms as per clause 1.22 of Annexure- IV.		
1.26.21	Limitation of Liability : Whether the Bidder/ Lessor has agreed for Limitation of Liability term as per clause 1.23 of Annexure- IV.		
1.26.22	Compliance to ESI / PF Act: Whether the Bidder/ Lessor agreed to comply with applicable ESI/PF rules and regulations as per clause 1.24 of Annexure- IV.		



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1.26.23	Patents & Trademarks: Bidder/Lessor shall at all times indemnify the Purchaser/Lessee against all claims which may be made in respect of the Systems/goods/Software supplied by the Bidder/Lessor, for infringement of any right protected by patent, registration of designs or trademarks and legality of usage of Software. In the event of any such claims being made against the Purchaser/Lessee, Purchaser/Lessee will inform the Bidder/Lessor who shall at his own cost either settle any such dispute or conduct any litigation that may arise there from.		
1.26.24	Submission of Certificates , Supporting Documents: Whether the bidder has enclosed all required documents supporting qualification criteria, certificates like certificates of newness of equipment, Certificates as per technical specifications etc.		
1.26.25	EFT or Paylink Direct Credit Form: Whether bidder has filled EFT or Paylink Direct Credit details (Clause 1.25 of Annexure IV) and attached a copy of Cancelled Cheque (Clause 1.9 of Annexure -IV)		



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ANNEXURE –V

1. TECHNICAL SPECIFICATIONS & COMPLIANCE FORMAT

1.1. General terms and conditions

- a) Vendor shall consider licensed version of all application and system software required for completeness of the system. Vendor shall include warranty for satisfactory performance of the equipment under stipulated variations of voltage and frequency.
- b) Similar type of equipment shall be of same make. Mixing of different makes is not acceptable.
- c) Technical specifications have been detailed below. However all accessories and licenses required for implementation of the system shall be in Vendor scope within the quoted price, whether these are specifically mentioned herein or not. Any other/ additional equipment, module required for the safe and satisfactory operation, control, protection, monitoring, testing and maintenance of the system shall also be included by the Vendor within the quoted price.
- d) The system supplied shall be complete in all respects for reliable performance. The Vendor shall submit the detailed BOM, block schematic, network topology / power wiring diagram, along with the System Requirement Specification (technical write-up) and data sheets of quoted components describing the implementation as part of the offer.



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1.2. Bill of Quantities:

The detail Bill of Material to be supplied is as given below. The detail specifications for the equipment are provided.

Sl. No	Tech Spec no	Item Description No	Unit	Quantity
1	SP01	Stainless steel tripod turnstiles	No(s)	20
2	SP02	Readers	No(s)	41
3	SP03	Enrolment kit	No(s)	1
4	SP04*	Contactless Smart cards	No(s)	2500
5	SP05	Networking (UPS, Network Switches and Cat6 cable is in BHEL scope)	Set	Nil
6	SP06	Official /Personal switch & display	No(s)	2
7	SP07	IP based Digital clock display	No	2
8	SP08	Communication Software	Set	1
9	SP09	Installation & commissioning		

Note:

For evaluation purpose 2500 Contactless Smart cards will be considered. However BHEL can ask for more such cards in the warranty period, if needed. The vendor has to provide the same to BHEL at the rate quoted in the work order



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1.3. Technical Specifications and Compliance

SP01 -Stainless steel tripod turnstiles				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1	Makes	Sivananda / Magnetic / FAAC / GUNNABO / Automatic Systems / KABA / PERCO/ Catrex/Godrej/ OEM's own make		
2.	Tripod Turnstile	Three Cylindrical Arms of polished Stainless Steel of 32 mm diameter.		
3.	Technology	Electro-mechanical/Solenoid locking mechanism		
4.	Self-cantering mechanism (non-motorised)	With hydraulic damping to ensure head always rotates quietly and smoothly to the neutral position		
5.	Housing	Stainless Steel (1.8mm thick)		
6.	Adjustable rotating speed	Mechanism to have Rotating Speed Adjustable / Configurable		
7.	Number of persons per punch(successful validation of biometric details)	Allows only one user to enter at a time. After successful validation of biometric details of a person the turnstile should rotate such that only he/she person can pass through.		
8.	Turnstile Operates at input Voltage	230 VAC +/- 10% 50 Hz single phase		
9.	Material of construction	All the parts and accessories should be of metal preferably the tong should be stainless steel (should not be plastic or glass) The thickness of stainless steel material should be 1.8mm(min) 1. Body: Stainless Steel SS-304 or better 2. ARMS: Stainless Steel SS-304 or better		



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SP01 -Stainless steel tripod turnstiles				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
10.	Tripod arms	The tripod arms should not have the sharp ends to avoid cloth catching.		
11.	Rotation	Rotate 120 Deg and Stop		
12.	Operation	Bi Directional: Turnstile rotation should be based on the input of the reader. i.e IN punch should rotate turnstile in only one direction and OUT punch should rotate it in the opposite direction		
13.	Integration	Should be capable of being integrated with the Bio metric Access/smart card Reader		
14.	Fail Safe Mode	In case of power failure or switched off, tripod arms will be free to rotate in either directions.		
15.	Installation	By anchor bolt on the floor surface (included in the vendor scope)		
16.	Body	Dust proof body covering the mechanical system ensuring long life		
17.	Electrically insulated gates	The gates are electrically insulated to avoid electrical shock.		
18.	Walkway	As per existing arrangement		
19.	Protection level	IP 54 or better should comply IEC60529:2001		
20.	Certification	CE Approved manufactured by ISO 9001 certified firms.		
21.	All internal components	Corrosion, abrasion and rust free alloy of high strength		
22.	Approximate dimension of the casework	Stainless steel 420x250x1030 mm (or/and it should match present height)		



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SP01 -Stainless steel tripod turnstiles				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
23.	Type	It should be Slim type: 		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1.	Makes of sensors	SAGEM / Suprema / NITGEN / HID / VERID / LUMIDIGM		
2.	Access Mode	The Bio-metric smart card reader and smart card reader shall have the Mifare® technology suitable to read Bio-metric smart card at a distance from 0.1 to 5cm and read finger print with fault rejection ratio <1% and fault acceptance ratio <0.0001%)		
3.	Built in Smart Card Reader	Yes		
4.	Finger Print Sensor, resolution	Optical Type, 500dpi		
5.	Finger Print Sensor Scan Area	15mm x15 mm Min		
6.	Sensor surface	Finger print sensor shall be impact resistant, scratch resistant, weather durable and corrosion free optical non-contact type finger scanner. The finger printer reader should be capable to read greasy and dirty finger print/ dry finger & sweaty finger print.		
7.	Housing for finger print sensor	The finger print sensor must be covered suitably around the sensor so that it is not directly open to dust.		
8.	Finger print sensor	Should angle so that the users should comfortably place their fingers. Finger print sensor shall allow maximum allowable finger rotation +/- 35 and displacement 5mm.		
9.	Reader compliance	Finger print reader should be confirming to ISO / IEC 19794-4:2005E and ISO 19794-2:2005 E		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
		and should be able to transfer the finger print patterns of the card to the card reader memory and match these patterns when the finger is put on the sensor. The reader should be able to match any of 2 finger patterns.		
10.	Finger print image compliance	Finger print Image shall compliance as per ISO/IEC 19794-4:2005E. Minutiae data format standard as per ISO 19794-2:2005E and contactless smart card reader should read the biometric smart cards complied with ISO 14443A		
11.	LCD/LED display	The Bio-metric smart card reader will have LCD wide-angle display to facilitate enhanced readability even in dim lighting conditions with alphanumeric character, Backlit display. Under normal circumstances date, time IN/OUT mode and status of memory consumed shall be displayed. While showing the card, staff no. punched time, date, validation of each punch and status of memory consumed shall be displayed. Provision shall be provided on the Bio-metric smart card readers for audio and visual display (5mm LEDs) with a relay output. The LED Indication for Power/battery mode, IN/OUT, Accept/reject and		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
		network status to be provided. Required length of power cable for the reads is under vendor's scope.		
12.	Provision to set In and Out for the reader at Unit Head Office	One number of reader to be placed at Unit Head office will not have any turnstile connected. Necessary Provision shall be made accordingly to register In and Out punches.		
13.	Housing Design	Rugged enclosure to provide reliable performance and resistance to vandalism. Preferably polycarbonate casing.		
14.	Integration with Turnstile	Should Send the signal to the access system/turnstile wrt to the input given.		
15.	Verification/ Identification Time	The Bio-metric smart card readers verification speed which include reading of smart card, finger printer and verification to give the output should be < 1.5 seconds in 1:1mode and identification speed shall be <1.5 seconds in 1:N mode.		
16.	False Rejection Ratio	0.1%		
17.	False Acceptance Ratio	0.0001%		
18.	Enrolment time	<= 4 sec		
19.	Finger Print Displacement	+/- 35 Deg wrt finger. guide to be provided		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
20.	Configurable percentage of fingerprint matching	The Reader unit shall have provision for configuration of percentage of comparison of finger print image.		
21.	Card Read Range	Up to 7 cm		
22.	Communication Ports	USB Port and TCP IP Port		
23.	Communication Interface	On board 10/100 Mbps Ethernet or higher		
24.	Finger Print Template Storage	9,000 or Higher		
25.	Transactions Event Storage	90,000 or Higher, Should Over write, First In, First Out		
26.	Audio / Beeper on Finger Swipe for Access	70 db min, Audio be distinguishable voice message or should be 2 distinguishable beeps for access granted / denied (Multi tone buzzer)		
27.	LED indicator	Red/Green- bipolar LED display to be provided.		
28.	Operating Temperature Range	10 deg C to 45 deg C		
29.	Operating humidity	20% to 80%		
30.	Rechargeable Battery backup	Reader shall be operated in 230V, AC +/-10% with Integrated surge protection system and ambient temperature of 10 to 45 C. In case of power failure, the reader shall be		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
		suitable to punch in/out by means of battery backup for a minimum period of 4 hours. The exact hours shall be indicated in the offer. Minimum 3 years in built battery backup for real time clock and stored data. Replacement of the battery during the contract period shall be in vendor scope.		
31.	Fingers per employee on the reader memory	2		
32.	Fingers per employee on the card memory	0		
33.	Change of IP address of the reader	Should be possible from the device itself without need for PC or lap top.		
34.	Communication Software Automatic Download to the Server, Real time update of transactions.	Must be an integral part of the reader, Push technology is to be used, Transactions to be transferred to server as and when they occur. No manual intervention of any type must be required. Data residing at local Bio-metric smart card reader and smart card readers will be updated in the Central Database Server/PC in online mode as and when punching is recorded.		
35.	Admin Password	Admin Password for Enrolment and configuring must be provided		
36.	Configurable for In and Out	The reader shall be configurable for IN or OUT operation. The direction of the turnstile operation will change accordingly.		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
37.	Configurable Display	Display can be configured by the admin.		
38.	Finger Print Templates upload to Reader.	Should be upload able to the reader from the server using TCP/IP port or USB port.		
39.	No Data loss	In case of Loss of Power/absence of network connectivity for 48 hours, there should be no Data Loss.		
40.	Personal & official punches recording	Two readers will be assigned for “Personal” and “Official”. Both should be interchangeable. Shall be controllable through switch/key pad.		
41.	Synchronization of time displays with readers, server and digital clocks	Server and each reader should be sync with centralised source individually. There shouldn't be any time difference between readers. The clock should also show same time as in readers.		
42.	Size and fixing	Preferably 210 X 160 X 70mm or smaller. Preferably inbuilt within turnstile.		
43.	Operation Modes	Biometric only, card only, biometric + card modes must be possible and configurable for each user in the system.		
44.	IN and Out Punches	1. Any No of INs & OUTs per day shall be allowed. 2. For every IN Punch, there shall be an OUT .Provision shall be made in Reader unit to avoid any duplicate punch within a short span of time (adjustable) and the same shall be		



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SP02 - Bio-metric smart card reader				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
		indicted as already punched in the display. 3. Two INs or two OUTs should not be allowed. Already Punched should appear if 2 INs or 2 outs are attempted. 4. If an expired Card or wrong Finger print is used, ACCESS DENIED should be displayed & a BEEP should sound. 5. Continuous 3 to 4 failed IN or OUT should alert with an Alarm.		
45.	Mounting of the readers	40 nos. of Readers will be mounted on the turnstiles in the entrance area. 1 no. of Reader will be mounted on the wall of Unit Head office area.		
46.	Marking	Provision shall be provided to assign a particular Reader unit or a group of designated units to a particular group of employees.		
47.	Working Environment	The Reader unit shall be suitable to work in the gates where the readers will be mounted in the existing shelters.		
48.	Finger print matching options	The reader should be able to match any of 2 finger patterns.		



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SP03 - Enrolment kit				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1.	Access Mode	Finger/contactless smart card		
2.	Finger Print Sensor	Optical Type		
3.	Verification/ Identification Time	< 2 Sec		
4.	False Rejection Ratio	0.1%		
5.	False Acceptance Ratio	0.001%		
6.	Enrolment time	4 sec		
7.	Finger Print Displacement	+/- 30 Deg		
8.	Fingerprint matching percentage	Configurable percentage of fingerprint matching		
9.	Card Read Range	Up to 7 cm		
10.	Finger Print Template Storage	9000 or Higher		
11.	Automatic data download.	Automatic Download to the Server using the communication port and the corresponding software.		
12.	Admin Password	Admin Password for enrolment and configuring		
13.	Accurate fingerprint comparison	Reader shall use technology that allows accurate fingerprint comparison on subjects with dirty(greasy or Oily) hands or sweaty & Dry hands		
14.	Finger Print Templates upload from server	Finger Print Templates should be unloading to the reader from the server using TCP/IP port		



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SP04 - Contactless Smart cards				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1.	Card type	Contactless smart cards (Mi-fare cards) that employ a radio frequency between card and reader without physical insertion of the card.		
2.	Communication frequency	13.56 MHz		
3.	Standard	ISO 14443 standard		
4.	Memory capacity	1 KB		
5.	Printing on card	The name of the Company and address, employee name, employee's photo, staff number, Blood group, Date of Birth, ID Card Serial No, Validity, Authority Signature, Employee Signature, Lunch Time codification bar will be printed on the card. The card will have a band of various colours based on grade levels. The exact matter and format for printing of the cards will be provided by BHEL. The photographs will be provided by BHEL. The Smart card should be laminated.		
6.	Distance range	Up to 7 cm		
7.	Card memory	The card memory to store the staff number of the employee.		
8.	Finger selection/Exception	Vendor to identify employees whose fingerprints are not identifiable by the Biometric Reader and such persons will be configured to allow access with only Contactless smart card.		



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SP05- Networking				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1.	Network cables	The existing data network, consisting of the fast Ethernet LAN shall be fully made use of for setting up the Computerized Attendance Recording System. Vendor has to supply the data cable (CAT 6) from Reader to the existing LAN Switches of BHEL.		
2.	Cable lengths	Smart Card Reader/group of Smart Card Readers, shall be directly plugged into 100/1000Mbps Ethernet switch ports wherever they fall within 100 meters The vendor is advised to visit the site to assess the exact requirements of the cabling		
3.	Housing of above ground cables.	PVC 1 " pipe /casing & capping: to house the CAT 6 cable wherever the networking is above the ground.		
4.	Hosing of underground cables	GI Pipe 1 ": To house the CAT 6 cable wherever the networking is below the ground/on ground in open areas.		
5.	Switches	To be provided by BHEL		
6.	Others	Cat6 I/O terminals with Face plate and Back Box to connect the respective readers as required.		
7.	Cable laying	UTP cable laying through casing/piping wherever required		



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SP06 - Official /Personal Switch & display				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1.	Toggle Switch	Toggle switch/keypad control with options Official / Personal Exit to be located near Check gate 2.		
2.	LED/LCD Display	Displaying the Official / Personal as per the Switch Settings & Readers status		
3.	Display Size	4 " X 12 "		
4.	Location of switch & display	At check gate 2		
5.	Display	Two of the readers will be dedicated for personal/official out punch and will be provided with separate official / personal display depending on the toggle switch/key pad input stationed at the security office. Based on the toggle position the reader screen will indicate official/personal in its display and this data will be captured by the reader and must be available in the database for computation.		

SP07 - IP based Digital clock displays				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1	Time synchronisation	The time in readers, server and digital clocks should be same. Can be synchronised with common system/server.		
2	Integration with siren	The clocks can be linked with siren for automating siren blowing during various time(configurable from remote PC/server)		



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SP08 – Communication software				
Sl. No	Features	Qualifying Minimum BHEL Requirement	Complied (Yes /No)	Specifications offered by bidder / Remarks (to be filled by bidder)
1	On-line data updation	The smart card data shall be updated on-line in the database located at the IT&S Centre		
2	Monitoring/Controlling the maintenance functions			
2.1		Functioning/non-functioning of the Bio-Metric Smart card Readers and Smart Card Readers deployed on the network due to any reason		
2.2		Change of parameters like time, date, employee master data etc.		
3	Data Management			
3.1		Continuous monitoring and continuous online downloading of data for each date having format (Staff No. Time, date (dd-mm-yyyy), location / machine number, IN/OUT flag, personal/official flag etc.) Format may change during the implementation.		
3.2		The change of data like inclusion/exclusion of Employee staff no. change of shift etc. related to attendance management system on the Biometric Smart Card Readers. This data is to be picked up from the central software/server.		
3.3		100% reliable and fool proofing of data transfer from card reader to database and vice versa.		
3.4		Bulk addition, deletion and updation of users to each reader from the central software/server.		
4	Role assignment			
4.1	Roles	System Administrator shall be able to assign roles/privileges to other users.		
4.2	Change in Access type	Provision shall be there to change access type for any user either as card/or biometric/or card+biometric		



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SP09- Installation & Commissioning	
Sl. no	Requirements
1.	<u>Turnkey project:</u> This is a turnkey project and it is the responsibility of the vendor to design the system, supply, install and commission the system for satisfactory functioning.
2.	Vendor shall install the Biometric Reader along with the Tripod Turnstile Mechanism
3.	<u>Newness Certificate:</u> All Equipment supplied and installed should be NEW and conforming to the contract technical specifications. The certificate of newness is to be furnished.
4.	<u>Communication between components:</u> Vendor to ensure that communication between readers, turnstiles and server is seamless.
5.	The system should be designed and looped in such a way that an employee can enter/exit from any of the access gates.
6.	<u>Change over from the old System:</u> The switching over from the old system to the new system shall be done smoothly without any interruption and loss of data. All the attendance data from the old system will be ported to the new system before the start of the changeover. Changeover can be done department wise if required.
7.	The vendor must ensure that existing siren works with respect to the synchronisation centre timings and ensure that shift intimations take place through the same.
8.	Enrolment of finger prints of all the employees initially to be done by the vendor and training to be provided to BHEL persons for future enrolments. During enrolment minimum of two fingers prints per person one for each hand to be enrolled.
9.	The Enrolment of the Employees will be done at BHEL-EDN, Mysore Road, Bangalore.
10.	Training: Supplier / System Integrator should train BHEL Engineers / Personnel for operation of all the systems and communication software including enrolment.
11.	All tools, instrument required for installation & commissioning is to be brought by Supplier / System Integrator only.
12.	All safety and Security norms to be adhered by Supplier / System Integrator.



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SP09- Installation & Commissioning	
13.	The software should be customized to the rules and regulation of BHEL as per the specifications of SP08. Any clarification can be sought during the development and customization stage.
14.	The software should have capabilities to block the specific employee / restrict the gates for the specific group on the need basis.
15.	During installation of new system the existing attendance recording process cannot be disturbed. Hence new turnstiles have to be fixed at a little distance away from the existing ones on the same bays. After erecting, commissioning and testing of new system the old turnstiles and readers can be dismantled.



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ANNEXURE VI
Price Bid

Annexure A. OUTRIGHT PURCHASE PRICE						
S.No	Item Description(For Supplying and commissioning at BHEL EDN Bangalore)	Item (Qty)	Unit Price	Total Price	% of Tax & Duties	Total Price including Taxes, Duties
		A	B	C=A*B	D	E=C+ C*D
1	Stainless steel tripod turnstiles					
2	Readers					
3	Enrolment kit					
4	Official /Personal switch & display					
5	IP based Digital clock display					
6	Communication Software					
	Total		-	-		0.00



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Annexure B. ONE TIME CHARGES				
S.No	Item Description(For Supplying and commissioning at BHEL EDN Bangalore)	Total Price	% of Tax & Duties	Total Price including Taxes, Duties.
		x	y	$z=x+x*y$
1	Contactless Smart cards			
2	Installation & commissioning			
3	Networking (UPS, Network Switches and Cat6 cable is in BHEL scope)			
	Total	-		



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Annexure C. LEASE RENTAL							
PTPQ Factor				0.00			
Equipment Value (Outright)				0			
QTR No	Lease Rental	Principle	Interest Excluding service tax	Service Tax on 10% of interest portion	Lease Tax (if applicable)	Maintenance Charges	Quarterly Payment (incl. tax)
CA	CB	CC (from PTPQ Qtr wise distribution)	CD = CB - CC	CF=CD*0.1*SER V. TAX	CE = CB+CF * L TAX	MC	CG = CB+CE+CF+MC
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Any other equipment, module required for the safe and satisfactory operation, control, protection, monitoring and testing of the system shall also be included by the Vendor within the quoted price



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Annexure D: PTPQ Distribution					
PTPQ (Payment)					
Amount (Pv)			1000		
Interest Rate(Rate) = #Rate (Nper,-Payment,Pv)				Annual Interest (Rate*4)	
Total number of payment periods (Nper)			20		
Qtr	PTPQ (Constant payment)	Quarterly Payment on the principal	Interest value	Balance Principal	% Principle
		PP = #PPMT(Rate,Per,Nper, Pv)	I = Payment - PP	BP = Pv - (Sum of 'PP' paid till that quarter)	PPP = (PP/Pv)*100
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Note: #Standard formula of Excel					



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Annexure E. Price Bid Format for Buy-Back Equipment				
S.No.	Equipment Description	Quantity	Unit Price Offered	Total Price
1	Turnstiles	20		
2	Readers	21		
Total:				

Date:

Signature

Note:

- Taxes extra as applicable
- The Buy-back amount shall be deducted from the running bills of vendor. If Buy-back amount exceeds the first invoice amount, the same will be deducted from subsequent bill(s).



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NOTE:

1) Evaluation will be based on:

**(Total Quarterly Lease for 20 qtrs. + Total Maintenance Charges for 20 qtrs. +
Total One Time Charges – Total Buy-back value)**

**2) The bidder should also provide AMC charges beyond the contract period. However, this will not
be considered for bid evaluation**

Date:

Signature:

Note:

1. Break-up details like basic lease rental, interest, one-time charges like installation, maintenance, etc. for lease shall be provided.
2. Outright purchase rate for each component as mentioned in Bill of Quantities (clause 1.2 of ANNEXURE –V) is to be given. It will not be considered for evaluation. Lease rental will be considered for evaluation.
3. Unpriced price bid format shall be submitted along with techno-commercial bid.



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ANNEXURE-VII

Terms & Conditions of Reverse Auction

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER).

The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit “online sealed bid” in the Reverse Auction. Non-submission of “online sealed bid” by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL’s standard practice.



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12. Bidders shall be required to read the “Terms and Conditions” section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the “Business Rules of Reverse Auction”, which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.



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ANNEXURE-VIII

List of Consortium Bank			
	Nationalised Bank		Nationalised Bank
1	Allahabad bank	19	Vijaya Bank
2	Andhra bank		Public Sector Banks
3	Bank of Baroda	20	IDBI
4	Canara Bank		Foreign bank
5	Corporation bank	21	CITI Bank N.A
6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private bank
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC
15	State Bank of Travancore	30	Kotak Mahindra Bank
16	UCO Bank	31	ICICI
17	Union Bank of India	32	Indusland Bank
18	United Bank of India	33	Yes Bank



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***CHECKLISTFORBIDDER/LESSOR**

<i>Following Documents need to be enclosed/furnished with Techno-commercial Bid</i>				
Annexure	Clause / Sub-Clause	Conditions	Yes / No	NA
I	2.2 b	Details of third party financing agency (if involved).		
II	i	The Certificate / Authorization Letter, issued by Authorized Representative of the OEM, specific to this tender stating the relationship, guaranteeing support for offered components for a period of at least 5 years and authorizing the Partner to quote for this tender.		
II	iii	Supporting document(s) stating that the Bidder have Registered and Incorporated office in India.		
II	iv	Proof of Local office.		
II	v	Declaration for clean track record		
II	vi	Certificate from bankers/chartered accountant/IT for Financial Turnover.		
II	vii	Customer references with number of equipment supplied and year of commissioning including details.		
II	viii	Proof of successful installation of ACARS.		
II	ix	Order copies of referred projects and successful completion/ performance certificate from the customer.		
III	1.2 b	Technical offer and , detailed BOM, block schematic, power wiring diagram,		
III	1.2 b	The System Requirement Specification (technical write-up) and data sheets of system components offered		
III	1.2 e	Certificates enlisted in technical specifications.		
III	1.2 f	Technical Compliance Statement as per enclosed format.		
III	1.2 g	Commercial terms compliance statement as per enclosed Format.		
III	1.2 h	Unpriced copy of price bid as a part of Techno-Commercial bid.		
III	1.2 i	Any other documentary evidence as per prequalification Criteria (if mentioned/ not mentioned above).		
III	1.5	Consent letter agreeing for Reverse Auction.		
Note: The checklist provided here is for the convenience of bidder/lessor. This may help bidder in speeding up the tender submission. The checklist may not contain all the required details. Please refer to the tender document for the complete list. *For sake of understanding.				



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***CHECKLIST FOR BIDDER/LESSOR**

<i>Please check following information has been provided</i>				
Annexure	Clause / Sub-Clause	Item Description	Yes / No	NA
III	1.2 a	EMD in the form of Pay Order/ Bank Draft, in favour of "Bharat Heavy Electricals Limited" payable at Bangalore, enclosed.		
III	1.3	The Technical & Commercial Bid <u>should not</u> include prices.		
III	1.4 a	Price Bid contains <u>PRICES only</u> and prices in Indian Rupees .		
III	1.6	Part I (EMD& Techno-commercial Bid) and Part II (Price Bid) submitted in <u>two separate</u> envelope with bidder's distinctive SEAL and properly super-scribed		
III	1.7	Tender addressed properly.		
III	1.8	Tender if submitted by post and should be sent by " Registered Post with Acknowledgement Due "		
III	2.1	Local address of the bidder to whom all the correspondence are to be addressed		
III	2.2	All the required particulars has been filled in the format provided for this purpose in the tender documents and also <u>signed each and every page</u> of the tender document including the drawings attached there before submitting tender		
III	2.5	The tender has been signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of the firm concerned.(if the tender is being submitted by a firm)		
III	3	Rates quoted as per clause, sub clauses of 3 of Annexure -III		
III	3.2	Whether rates quoted are as per Price Bid Format only providing details of prevailing rates of taxes and duties.		
III	4.2 e	Price quoted in words and Figures should be similar		
III	4.2 f	Whether the bidder has quoted the quarterly financial lease charges (Rental and Maintenance Charges) for the system for 5 years and one time installation charges.		
III	4.2 f	Whether breakup of rental and maintenance charges mentioned.		
III	4.2 f	Whether bidder indicated all the applicable taxes.		
IV	1.9	Whether Copy of Cancelled Cheque enclosed		
IV	1.25	EFT/Paylink Direct Credit details as per format		
Note: The checklist provided here is for the convenience of bidder/lessor. This may help bidder in speeding up the tender submission. The checklist may not contain all the required details. Please refer to the tender document for the complete list. *For sake of understanding.				

END