

Project Engineering  
Management

**BHARAT HEAVY ELECTRICALS LTD.**  
(A Govt. Of India Undertaking)  
**PURCHASE ENQUIRY**



REF :	PE-LPE/249
REF. DATE	18/11/2016
DUE DATE	05/12/2016

To,  
Open Tender

Dear Madam/Sir,

**Subject: Centralized Rate contract for procurement of Antivirus/ e mail  
Gateway/ Web Gateway solutions for entire BHEL**

Quotations are invited through e-procurement system. Please upload your best offer/quotation in TWO PARTS on <https://bheleps.buyjunction.in> on or before **02:00PM** as mentioned above Due Date i.e. **05 DEC 2016**.

**SCOPE:**

As per enclosed "Scope & Technical specifications", ref no. PE888S-1603 REV 01"

**PAYMENT TERMS**

As per clause no 3.0 of enclosed "Scope & Technical specifications", ref no. PE888S-1603, REV 01.

Please quote the total F.O.R. destination BHEL, inclusive of all taxes, freight, handling packaging, charges, transit insurance etc. and shall remain firm without any variation till completion of the contract.

**BID SUBMISSION:**

In two parts

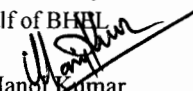
Part 1: Techno-Commercial Bid ; Part 2: Price Bid

Enclosure: Scope & Technical specification, Technical PQR, List of locations, Commercial terms and conditions, Instruction to bidders, Price format.

**PRE BID MEETING:** The vendors to visit BHEL PEM office on 22 NOV 2016 at 02:00PM for pre bid meeting/conference for their clarification regarding this tender.

Thanking You,

Yours faithfully,  
For and on behalf of BHEL

  
Manoj Kumar  
BHEL PEM, Noida

Please reply to: [manojkumar@bhpepm.co.in](mailto:manojkumar@bhpepm.co.in) Phone:01204368700  
Power Project Engineering Institute  
HRD & ESI Complex, Plot No 25, Sector 16 A Fax No:0120 4329026  
Noida

**Regd. Office:**

BHEL House  
Siri Fort, New  
Delhi

**SUBMISSION OF OFFER**

Dated: 18/11/2016

**From:**

M/s -----  
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**To**

**Sr. Manager- CMM/ Dy. Manager-CMM**

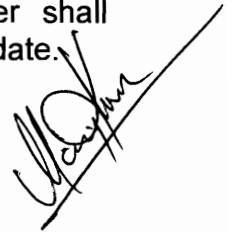
**Bharat Heavy Electricals Limited  
Power Sector- Project Engineering Management  
PPEI Building, HRDI & ESI Complex  
Plot No. 25. Sector-16A  
NOIDA – 201301, Uttar Pradesh.**

**Subject: -Tender in response to your invitation for “Centralized Rate contract for procurement of Antivirus/e-mail Gateway/Web gateway solutions for entire BHEL”**

Dear Sir,

We hereby submit our techno commercial offer (two bid system) in full compliance with the terms and conditions of the tender enquiry. Therefore, we offer you the most competitive rate for these services. Our offer shall remain valid for acceptance for a period of 6 months from due date.

Very Truly Yours,



(Signature of Tenderer with Rubber Stamp)

Full Name: -----

Designation: -----

## **Tender Document**

### **For**

**“Centralized Rate contract for procurement of Antivirus/e-mail Gateway/Web gateway solutions for entire BHEL”**

Tender Ref. No. : PE-LPE/249

Dated : 18/11/2016

Last Submission date of tender enquiry: - 05/12/2016

Due date for opening of bid on : - 05/12/2016

### **Contact Persons:**

#### **For Technical clarification**

1. Mr. Rajiv Hajela, SDGM (IT)  
E-mail: [rhajela@bhelpem.co.in](mailto:rhajela@bhelpem.co.in)

Telephone: 0120-436-8836  
**Mob: 9650194196**

2. Mr. Ravi Kant/ Sr.Engineer (IT)  
E-mail [ravikant@bhelpem.co.in](mailto:ravikant@bhelpem.co.in)  
Mob: 9650222122

Telephone: 0120-436-8776

#### **For Commercial clarification**

**Mr. Manoj Kumar, Dy. Manager (CMM)**

E-mail: [manojkumar@bhelpem.co.in](mailto:manojkumar@bhelpem.co.in) Telephone: 0120-436-8700

#### **Address:**

**Bharat Heavy Electricals Ltd.  
Project Engineering Management  
PPEI Building, HRDI & ESI Complex  
Plot No. 25, Sector 16A  
NOIDA – 201 301. Uttar Pradesh (INDIA).**



<b>Last date of Submission: 05/12/2016, 02:00PM</b>
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**Subject: -Tender in response to your invitation for “Centralized rate contract for procurement of antivirus/e-mail gateway/web gateway solutions for entire BHEL”**

Dear Sirs,

We are pleased to invite your tenders for the subject service. Instructions to bidders & the terms & conditions of the tender are mentioned below:-

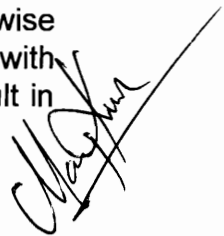
## **INSTRUCTIONS TO BIDDERS**

### **1.0 INTRODUCTION**

M/s **Bharat Heavy Electricals Limited** (A Govt. of India Undertaking) incorporated under the Companies Act 1956 acting through its **Projects Engineering Management Division (PEM)**, PPEI Building, HRDI & ESI Complex, Plot No. 25, Sector 16A, NOIDA – 201 301 (hereinafter referred to as "**Purchaser**", which expression shall include its successors and assigns), invites offers for the requirements as detailed in the Enquiry letter and other tender documents.

### **2.0 TENDERER TO INFORM HIMSELF FULLY**

- 2.1 The tenderer shall closely peruse all the clauses, specifications and drawings etc., indicated in the tender documents, before quoting. Should the tenderer have any doubt about the meaning of any portion of the tender specifications or find discrepancies or omissions in the drawings or the tender documents issued are incomplete or shall require clarifications on any of the technical aspect, scope of work etc. he shall at once contact the official inviting the tenders, for clarifications, before submission of the tender.
- 2.2 Tenderers are advised to study all the tender documents carefully. Any submission of tender by the tenderer 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. The specifications and terms and conditions shall be deemed to have been accepted unless otherwise specifically commented upon by the tenderer in his offer. Non-compliance with any of the requirements and instructions of the Tender Enquiry may result in the rejection of the tender.



### **3.0 PROCEDURE FOR SUBMISSION & OPENING OF TENDERS**

- 3.1 Tenders shall be accepted in 2 parts [Techno-commercial bid & Price bid – EXL FORMAT] on or before the due date as indicated in the Enquiry letter, by 02:00 PM through m-junction's e-procurement system

#### **3.2 E-PROCUREMENT**

**The offer shall be submitted by the vendor through e-procurement system. The vendor to upload the offer on <https://bheleps.buyjunction.in>**

Contact person in case of problem in uploading the tender :

1. Helpdesk no 033-66011717 ,
2. Mr Arjit Das, 09163348286,
3. Ms Rimi Ghosh Mob No . 09650044156]

#### **PART-I : TECHNO-COMMERCIAL BID**

Containing Technical offer, Technical PQR, Commercial Terms & Conditions and Un-priced Copy of the Price Bid. The un-priced copy of the Price bid shall be the same as the Price bid but without the Prices, with all the quoted Prices/discounts/values being replaced with the word 'QUOTED' or 'Q'.

**Bidder should sign and stamp each page of all the documents enclosed with the enquiry as a token of acceptance of BHEL's terms and conditions.**

#### **PART-II : PRICE BID**

Containing PRICES only (to be furnished in the enclosed Price format only). Prices shall be quoted in Indian Rupees only.

Price Bid should not contain any technical details and/or Commercial Terms & Conditions. Any technical details and/or Commercial Terms & Conditions, if found in this part, shall be ignored 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).

### **4.0 BID OPENING**

- 4.1 **The offer may be opened on the due date and time as specified in the Enquiry Letter.**

### **5.0 VALIDITY OF OFFER**

Offer shall be kept **valid for 6 months** from the due date, for Purchaser's



acceptance.

- 6.0 No correspondence shall be entertained from the tenderers after the opening of Price bid(s).
- 7.0 Unsolicited tenders shall not be entertained. Unsolicited revised Price Bids also, shall not be entertained at any stage of the tendering process.
- 8.0 Purchaser reserves the right to negotiate the tender, if the quoted rates/terms are found in the unacceptable range or unreasonable.
- 9.0 **LANGUAGE & CORRECTIONS**

9.1 The tenderer shall quote the rates in English/Hindi language and international numerals only. The metric system of units shall be used, for the purpose of tender.

**9.2 All entries in the tender shall either be typed or written legibly in ink. Erasurement and over-writings are not permitted and may render such tenders liable for rejection. However, all cancellations, corrections and insertions shall be duly attested by the tenderer.**

10.0 Standard pre-printed conditions of the tenderer attached to the offer will not be accepted and only those mentioned in the body of his offer will be considered.

11.0 Taxes and duties payable should be indicated separately, otherwise it will be presumed that the prices quoted are inclusive of all taxes, duty, octroi etc., if any and the Purchaser in such cases shall not pay any tax, duty, octroi etc.

12.0 Manufacturer's name, trade Mark or Patent No., if any, should be specified.

**13.0 The acceptance of tender will rest with the purchaser and does not bind him to accept the lowest or any other tender and reserves to itself full rights for the following without assigning any reasons, whatsoever:**

13.1 to reject any or all the tenders.

13.2 to split up the work amongst two or more tenderers.

13.3 to award the work in part.

A handwritten signature in black ink, appearing to be 'M. Singh', is written over the bottom right portion of the text, specifically over the end of item 13.3.

**14.0 DELIVERY/COMPLETION PERIOD**

4 WEEKS FROM PO DATE

**15.0 SALES CONDITIONS**

With tenderer's acceptance of the terms and conditions, it will be deemed that he has waived and confirmed as cancelled any of his general sales conditions attached with the offer.

**16.0 TENDER EVALUATION**

Non-compliance with any of the requirements and instructions of the Tender Enquiry may result in the rejection of the tender.

**17.1.1 PRICE DISCREPANCY**

Totals/Gross Total of Prices should be indicated both in words as well as in figures.

If there is a discrepancy between unit price, total price quoted in words and figures, the Arithmetical errors will be rectified on the following basis.

(a) 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.

(b) 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

(c) 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 (a) and (b) above.

(d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto 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.

17.2.2 If the Prices/Rates of one or more of the enquired items have not been quoted, the offer is liable to be rejected. However, if the offer is considered, the same shall be loaded with the highest Prices/Rates available in the other bids received against the same Enquiry.



17.1.3 Though, higher warranty/configuration/rating will be acceptable, than what is required as per tender specifications, no weight age or preference will be given for the same.

17.1.4 Tenders will be evaluated taking into consideration all available financial advantages, including taxation/depreciation benefits, if any. Service tax paid by the seller/contractor to the Govt. Authorities directly shall be reimbursed at actual only (subject to against requisite documentary evidence).

#### **17.0 BANNED FIRMS**

The offers of the bidders who are on the banned list as also offer of the bidder who engage the service of banned firms, shall be rejected. The list of banned firms can be found on website [www.bhel.com](http://www.bhel.com).

#### **18.0 CHANGE OF PRICE BIDS**

The bidder to note that in case there is no change in technical specification or commercial terms, the bidder is not allowed to change his price bid within validity of his period.

#### **19.0 CLARIFICATIONS ABOUT TENDER**

All corrigenda, addenda, amendments, time extensions clarifications etc. to the tender shall be hosted on BHEL websites ([www.bhel.com](http://www.bhel.com) & [www.bhelpem.com](http://www.bhelpem.com)) only. Bidder should regularly visit websites to keep updated.

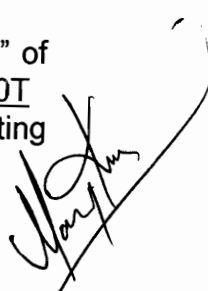
Bidder to provide cancelled cheque & EFT details (in the format attached with the tender documents

#### **20.0 REVERSE AUCTION**

BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their unconditional acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Detailed terms and conditions for RA are available in "Information Section" of [www.bhelpem.com/LINK=http://www.bhelpem.com/Documents/Misc/RA%20TandC.pdf](http://www.bhelpem.com/LINK=http://www.bhelpem.com/Documents/Misc/RA%20TandC.pdf)) Business Rules for RA shall be sent to the bidders before conducting RA.





# COMMERCIAL TERMS & CONDITIONS

Annexure-A

- 1.0 GENERAL:** The words incorporating singular shall include plural and vice-versa, in the words importing masculine gender shall include feminine and vice-versa and the words importing persons shall include bodies; corporate, limited liability companies, partnership and other legal entities.
- 2.0 BANK CHARGES :** Unless otherwise specified, the Bank charges, if any, shall be to the account of Seller/Contractor.
- 3.0 QUALITY :** All Systems/goods/services/licenses supplied/rendered shall be brand new and conform to the contract technical specifications and/or be strictly in accordance with approved samples/drawings. Where there is no specifications, sample or drawings, Systems/goods/services shall be of the best quality.
- 4.0 CHANGE OF ORDER:** No changes to this order/contract are permitted unless authorised in writing and signed by competent authority of this office.
- 5.0 LOCATION & CONSIGNEE:** Complete Systems/goods/AMC services/Licenses will be consigned to respective locations of BHEL, mentioned at Annexure-2, who will co-ordinate the same.
- 6.0 PAYMENT TERMS:**

The following payment terms shall be offered to the vendor:

- a. 70% of license cost after successful installation of licenses. Date of installation shall be the date of signing of ATP.
- b. Remaining 30% of licenses cost in 3 equal installments at the end of 3 equal intervals of AMC period. For example, contract for Trichy unit is expiring on 9/1/2018, so Trichy unit will pay balance 30 % amount in three equal intervals from 9/1/2018 to 30/12/2019 timing of payment.
- c. Maintenance and resident engineer cost shall be paid quarterly at the end of the quarter after
  - a. Getting satisfactory service certificate from authorized BHEL executive
  - b. Deducting downtime amount, if any.
  - c. Submission of invoice in duplicate
  - d. For Delhi NCR based units, RE cost will be proportionately divided according to number of AV licenses among them. Each unit will pay its share of RE cost.
- d. The invoices shall be submitted by the vendor to the respective units and the payments will be released to the vendor from the respective units. A list of contact persons of these units will be provided along with Rate Contract/Purchase Order.

**Taxes and duties shall be payable at actual as applicable at the time of supply/billing, subject to clause no 24.0 of Commercial Terms and conditions on statutory variation**



- 7.0 **MODE OF PAYMENT:** Payment will be made by way of Electronic Fund Transfer only.
- 8.0 **INTEREST :** No interest, whatsoever, shall be payable by the purchaser on any amount due to the Seller/Contractor by the purchaser.
- 9.0 **DELIVERY:** 4 Weeks from PO Date.
- 10.0 **VARIATION:** BHEL can increase or decrease the number of licenses upto 30%
- 11.0 **INDEMNITY:**  
Seller/Contractor shall fully indemnify and keep indemnified the Purchaser against all claims, viz.
- a) which may be made in respect of the use of System/Item(s)/services supplied/rendered by the Seller/Contractor, for infringement of any rights protected by patent, registration of designs or trademarks.
  - b) any other claims of whatsoever nature arising during the course and out of the execution of this Order/Contract
- In the event of any such claims being made against the purchaser, Purchaser will inform the Seller/Contractor who shall at his own risk and cost either settle any such dispute or conduct any litigation that may arise there from.
- 12.0 **CONFIDENTIALITY:** Seller/Contractor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings & documents, etc. belonging to the purchaser and also of the Systems, procedures, reports, input documents, manuals, results and any other company documents discussed and/or finalised during the course of execution of the order/contract.
- 13.0 **LIQUIDATED DAMAGES:** The parties hereto agree that timely delivery is the essence of the order/contract. If the Seller/Contractor fails to complete the projects within the time period stipulated in the order/contract or within any extension of time granted by the purchaser, purchaser shall be under no obligation to accept the goods. However, if accepted, liquidated Damages at the rate of half percent per week of delay or part thereof shall be levied on the value of goods delayed limited to ten percent of the total order/contract value excluding elements of taxes and duties, without prejudice to any other relief or compensation due to the purchaser under any other condition of the order/contract.
- 14.0 **FORCE MAJEURE:** Seller/Contractor 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 Seller/Contractor to the purchaser 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.
- 15.0 **TERMINATION OF THE ORDER/CONTRACT/ RISK PURCHASE**
- 15.1 The purchaser reserves the right to terminate the order/contract, either wholly or in part, in case he is obliged to do so on account of any decline, diminution, curtailment or stoppage of his business and in that event, the Seller/Contractor shall have no claim for compensation against the purchaser on account of such cancellation.
- 15.2 Purchaser reserves the right to terminate the order/contract, either wholly or in part, upon situations arising due to non-compliance of stipulations of the Order/contract, by the Seller/Contractor, at the risk and cost of the Seller/Contractor.



15.3 Purchaser reserves the right to purchase from elsewhere on account of and at the risk and cost of Seller/ Contractor, with notice to Seller/ Contractor, the stores due for delivery but not so delivered, or their equivalent without cancelling the Order/Contract in respect of stores not yet due for delivery. The manner and method of such purchase shall be at the discretion of the Purchaser.

16.0 **SUB-CONTRACTING:** Order/contract or any part thereof shall not be sub-contracted, assigned or otherwise transferred without prior written consent of the purchaser.

17.0 **SETTLEMENT OF DISPUTES**

17.1 Except as otherwise specifically provided in the Order/Contract, all disputes concerning questions of the facts arising under the Order/Contract, shall be decided by the purchaser, subject to written appeal by the Seller/Contractor to the purchaser, whose decision shall be final to the parties hereto.

17.2 Any disputes or differences shall be to the extent possible settled amicably between the parties hereto, failing which the disputed issues shall be settled through arbitration.

17.3 However, the Seller/Contractor shall continue to perform the Order/Contract, pending settlement of dispute(s).

18.0 **ARBITRATION**

In the event of any dispute or difference arising out of the execution of the order/contract or the respective rights and liabilities of the parties, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred to the arbitration of the person appointed by the competent authority of the Purchaser.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act, 1996 (India) or statutory modifications or re-enactments thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. The venue of arbitration shall be NCR Region, India.

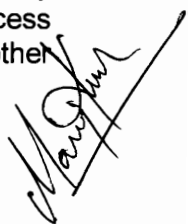
19.0 **LAWS GOVERNING THE CONTRACT:** The Order/Contract shall be executed and governed by the laws of India and the courts of India alone shall have jurisdiction in respect of any matter arising under or in connection with the Order/Contract

20.0 **JURISDICTION OF COURT:** The jurisdiction to decide any disputes in the Contract shall be at New Delhi under any circumstances.

21.0 **SUBMISSION OF INVOICE** : The invoices shall be submitted by the vendor to the respective units and the payments will be released to the vendor from the respective units. A list of contact persons of these units will be provided along with Rate Contract/Purchase Order.

22.0 **ACCEPTANCE:** Letter of Seller/Contractor's acceptance of the LOI/Order/Contract shall be sent to CMM DEPARTMENT, BHEL-PEM, PPEI-BUILDING, HRDI & ESI COMPLEX, PLOT NO. 25, SECTOR 16A, NOIDA- 201 301, within ten days from the date of LOI/Order/Contract. Purchaser shall reserve the right to cancel the LOI/Order/Contract in case the letter of acceptance is not received within ten days. Purchaser will not be responsible for any postal delays.

23.0 **RECOVERY OF OUTSTANDING AMOUNT:** In the event of any amount of money being outstanding at any point in time against the Seller/Contractor, due to excess payment or any other reason, whatsoever, in the present order/contract or any other



order/contract, the outstanding amount shall be recovered from the payments due to the Seller/Contractor or at any other appropriate time and manner/mode as deemed fit by the Purchaser at its sole discretion.

## **24.0 STATUTORY VARIATION**

5.1 If the rates for taxes and duties in respect of the quoted materials and/ or services assumed by the Seller/ Contractor are less than the tariff prevailing at the time of tendering, Seller/ Contractor will be responsible for such under quotations. However, if the rates assumed are higher than the correct rates prevailing at the time of tendering, the difference will be to the credit of the Purchaser.

5.2 Statutory Variations in Excise Duty, Service Tax and Central Sales Tax/ Value Added Tax only on self-manufactured items/ services rendered by vendor himself on the rates prevailing at the time of delivery/ completion in comparison to the date of offer, will be to the account of the Purchaser. No other variations such as on customs duty, exchange rate, minimum wages, prices of controlled commodities, any other input etc. shall be payable by the Purchaser.

5.3 Notwithstanding the above, where the actual completion of the supply occurs beyond the period stipulated in the Order/ Contract or any extension thereof, variations referred to above, will be limited to the rates prevailing on the dates of such agreed completion periods only. For variations after the agreed completion periods, the Seller/ Contractor alone shall bear the impact for the upward revisions and for downward revisions; purchaser shall be given the benefit of reduction in taxes/ duties. This will be without prejudice to the levy of penalty for delay in delivery/ completion schedule.

5.4 Any new tax structure (like Goods & Services Tax) as and when implemented by the Government shall become applicable in addition to or in lieu of existing tax structure.

Taxes and duties shall be payable at actual at the time of billing subject to statutory variation clause no 24.0.

Statutory variation shall be payable for the contract delivery period only i.e. if delivery done beyond delivery period specified in the contract, No statutory variation in the taxes and duties shall be payable to the vendor.



**Check List for bidder**

S. N.	Required Document	If Submitted then Tick (√)
1	OEM's authorized letter/certificate for quoting this tender	
2	Complete tender in all respects <b>duly signed &amp; stamped</b> on each and every page by the authorized signatory of the bidder as a token of acceptance of all the terms and conditions of tender.	
3	Copy of <b>sale tax</b> registration / <b>service tax</b> registration.	
4	Copy of <b>PAN</b> card.	
5	EFT DETAILS	
6	<b>No Deviation certificate</b>	
7	<b>Declaration Certificate</b>	
8	<b>Un price Bid</b> [ quoted with "Q"]	
9	<b>CANCELLED CHEQUE</b>	



**Details of Party**

S. N.	Description	Details
1	Name of the Party	
2	Address of the party	
3	Contact Person's Name	1) 2)
4	Cell No. of Contact Person	1) 2)
5	Land Line No./mobile no	1) 2)
6	FAX No.	
7	E-mail ID of the vendors	1) 2)
8	E-mail ID of the company	
8	PAN No.	





## **BIDDER's COMPANY LETTER HEAD**

### **No Deviation Certificate** (To be submitted along with Part-1 Bid)

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of the above tender. We confirm that the offer submitted is confirming to all the terms and conditions mentioned in the tender document. We hereby undertake and confirm that we have understood the scope of services properly and shall carry out the job as mentioned in this tender.

**Or**

We hereby accept all terms and conditions of the above tender except the following:

- 1.
- 2.
- 3.
- 4.



# **BIDDER's COMPANY LETTER HEAD**

## **DECLARATION CERTIFICATE**

I / We do hereby declare that there is no case with the Police/Court/Regulatory authorities against the proprietor/firm/partner. Also I/We have not been suspended / delisted / blacklisted by any other Govt. Ministry / Department/Public Sector Undertaking/ Autonomous Body/Financial institution/Court. We also certify that either our firm or any of the partners are not involved in any scam or disciplinary proceedings settled or pending adjudication. I / We have enclosed the following documents with the tender document in technical bid. :-

1. Complete tender in all respects duly signed & stamped on each and every page by the authorized signatory of the bidder as a token of acceptance of all the terms and conditions of tender.
2. OEM's authorized letter/certificate for quoting this tender
3. Copy of PAN card.
4. A copy of cancelled CHEQUE.
5. Customers POs/ WOs copies and completion certificate



**BHARAT HEAVY ELECTRICALS LIMITED**



**SCOPE & TECHNICAL SPECIFICATIONS  
FOR  
PURCHASE OF ANTIVIRUS/Email Gateway/Web Gateway  
SPECIFICATION NUMBER: PE888S-1603 REV.01**

**PROJECT ENGINEERING MANAGEMENT DIVISION  
PPEI BUILDING, HRDI &ESI COMPLEX  
PLOT NO. 25, SECTOR 16A  
NOIDA – 201 301 ( U.P. )**

## **1. Scope:**

The scope of vendor includes:

- a. Supply, installation (including uninstallation of existing licenses without any loss of data and services), configuration, testing and commissioning of licenses and software as per the technical requirement (Annexure 1) at all the locations listed in Annexure 2.
- b. First time installation of anti-virus/Email gateway/Web gateway servers/appliances at all the locations through onsite visits/remotely.
- c. Providing post implementation Online/ Onsite/ Telephone support (re-installation, maintenance, diagnosing problems, troubleshooting, applying solutions & updates, scanning/re-scanning infected device & providing effective solutions etc.)
- d. Providing services on holidays/ weekly offs in case of emergency.
- e. Providing Onsite support if the complaint cannot be resolved remotely and resolving it as per the SLA – refer clause 4.
- f. Providing direct support from OEM for major incidents(incidents impacting / interrupting services such as mail service, internet and MPLS service, LAN, impacting more than 5 endpoints at single location).
- g. The offered solution shall integrate with existing security solutions, IPS, IDS, etc. Configuration changes, if any, required for integration with above solutions in future shall be made by the vendor at no extra cost to BHEL.
- h. Configuring management Server (server to be provided by BHEL) for anti-virus/Email gateway/Web gateway for getting updates automatically from the internet at all the locations as per Annexure-2.
- i. In case of centralized management server, the updates to be provided to local Endpoints. In case of appliance based solution, HW to be provided by Vendor.
- j. Individual unit will provide server hardware along with Windows/Linux Operating system for anti-virus/Email gateway/Web gateway. Any other additional hardware or software components required by product will have to be supplied by Vendor.
- k. Re-installing and configuring anti-virus/Email gateway/Web gateway server in case of server failure or during version change etc.
- l. Providing automatic updates, patches & upgrades of offered solution. In case of failure of these updates, patches and upgrades automatically, vendor should provide & apply it manually.

- m. In case of critical/severe virus threats, updates to be carried out immediately. In case of outbreak of some virus, the vendor has to take immediate corrective action and also carry out the required rollout on all the machines immediately.
- n. Providing procedure/guidelines for installation of software to BHEL's team from time to time in case of changes in product / technology.
- o. Providing Resident Engineer at locations where no. of licenses is more than 2000 anti-virus (Delhi / NCR, Bhopal, Haridwar, Hyderabad and EDN).

**2. Maintenance Contract Start Date:** After successful supply, installation, configuration and commissioning of the offered solution. The sign off date will be provided by BHEL executive.

**3. Payment terms:**

- a. 70% of license cost after successful installation of licenses. Date of installation shall be the date of signing of ATP.
- b. Remaining 30% in 3 equal installments at the end of 3 equal intervals of AMC period. For example, contract for Trichy unit is expiring on 9/1/2018, so Trichy unit will pay balance 30 % amount in three equal intervals from 9/1/2018 to 30/12/2019 timing of payment.
- c. Maintenance and resident engineer cost shall be paid quarterly at the end of the quarter after
  - a. Getting satisfactory service certificate from authorized BHEL executive
  - b. Deducting downtime amount, if any.
  - c. Submission of invoice in duplicate
  - d. For Delhi NCR based units, RE cost will be proportionately divided according to number of AV licenses among them. Each unit will pay its share of RE cost.
- d. The invoices shall be submitted by the vendor to the respective units and the payments will be released to the vendor from the respective units. A list of contact persons of these units will be provided along with Rate Contract/Purchase Order.

#### 4. SLA

**Response Time:** Vendor shall ensure that all complaints related to offered solution would be attended to within 2 business hours of receiving the request.

SLA for technical support shall be as follows:

Sl No.	Incident Type	Penalty
1	Antivirus Management Software on server - Down for more than 8 business hrs.	10 % of total Quarterly AMC charges will be deducted on per day basis or part thereof.
2	Email gateway - Down for more than 4 hrs.	10 % of total Quarterly AMC charges will be deducted on per day basis or part thereof.
3	Web gateway - Down for more than 4 business hrs.	10 % of total Quarterly AMC charges will be deducted on per day basis or part thereof.
4	Antivirus end point (laptop and PC) – Down for more than 12 business hours.	AMC charges + Rs 100 per day limited to total quarterly AMC value.
5	Antivirus end point (servers)– Down for more than 8 business hours	AMC charges + Rs 200 per day limited to total quarterly AMC value.
6	Absence of Resident engineer without any substitute	Rs 500 per working day per RE

In case SLA is violated for three consecutive months, BHEL reserves the right to organize support /maintenance/another solution at the risk and cost of Vendor, forfeit the SD or en-cash the BG and terminate the contract.

In case of outbreak like situation (any other scenario – more than 10 end points infected etc.) the vendor has not only to provide immediate solution but to also take measures to contain the problem. If required, extra manpower may be deployed to bring situation in control.

If services in one or more locations (Units/divisions) are not satisfactory, BHEL will have the right to terminate the contract for said services in full or part for that location at the risk and cost of Vendor. At other locations services may continue. In no case BHEL's work should suffer.

#### 5. Delivery, installation and commissioning

Delivery – four weeks from the date of PO

Item	Supply, installation, configuration and commissioning
Antivirus Server	7 days from date of delivery of licenses
Web Gateway	7 days from date of delivery of licenses
Mail Gateway	7 days from date of delivery of licenses

**SCOPE & TECHNICAL SPECIFICATIONS FOR PURCHASE OF ANTIVIRUS SOFTWARE**  
**SPECIFICATION NUMBER: PE888S-1603 REV. 01**

Server Endpoints	7 days from date of delivery of licenses
Desktop / Laptop endpoint	30 days from date of delivery of licenses

**6. Purchase Order**

1. Each unit will place purchase order atleast 15 days prior to its contract start date.  
For Delhi NCR units except PS-NR, order will be placed by PEM as part of rate contract.
2. BHEL reserves the right to terminate the contract in between the contract period but only after the end of a calendar quarter.
3. BHEL reserves the right to extend the contract for further period after successful completion of the contract period. This extension will be done on mutually agreed terms between the vendor and BHEL.
4. BHEL can increase or decrease the number of licenses upto 30% at the time of placement of PO.

---- End ----

	End point security <b>ANNEXURE-1</b>
1	Should provide antivirus protection for desktops, laptops & servers of all the attacks originating from places inside/outside of the network due to virus and/or other malicious programming code in real time including viruses, worms, Trojan horses, spyware, Adware, key Loggers, P2P threats, Hacker tools, DoS, DDoS Agents and RootKit. For RootKit, it should have access below the operating system to allow thorough analysis and repair.
2	Should do on-access scan and heuristic (behavioral) scan of the files. It should be able to score both good and bad behaviors of unknown applications, enhancing detection and reducing false positives without the need to create rule-based configurations to provide protection from unseen threats i.e. zero-day threats.
3	Should be able to do full scan of files / folders with a choice of specifying directories and file extensions not to be scanned.
4	Should have the capability to repair, quarantine, or delete on detection of virus
5	Should be able to lock down all anti-virus configurations on the system and should prevent users/local admin from being able to uninstall the anti-virus software. Should have an option to temporarily disable AV on clients for few minutes for installation of certain software's being blocked by AV. Client uninstallation should be password protected, password should be centrally managed from the Management Server.
6	Solution should be able to prevent mass mail worms.
7	Should automatically scan external devices (CDs/DVDs, USB devices) as soon as they are accessed to PC, Server, Laptop
8	Should support device management and should allow to Monitor, Block, allow or make plug and play devices Read-Only .

	<p>Should provide option to control External devices like CD, DVD, Network Drives, USB Data card, Wireless devices, USB Storage Devices etc.</p> <p>Should have the option to create an exception list based on Device id.</p> <p>Should automatically allow standard USB Keyboards, USB Printers, USB Scanners and mouse (Human interface devices)</p>
9	<p>Should provide the functionality of logging and audit-trail capabilities , the log shall include hostname, file name , transfer direction, file size.</p>
10	<p>Provision to centrally manage the Active/Full Scan schedule and frequency for clients. The solution must support grouping of various client PCs and Servers into separate groups with different AV policies. End clients should have an option to postpone the scan.</p> <p>Solution should provide performance control while scanning files/folders/Hard disk.</p>
11	<p>Support for Windows 7/8/10, Windows Server 2008(R2), 2012(R2), Windows Storage Server, Windows Standard and Data Center Edition, RHEL 5/6/7, MAC and support for any new Windows Desktop/Server version released during the contact period.</p> <p>Support for Virtual solution like vmware and VDI.</p>
12	<p>Client Installation - Should be able to deploy the Client software using the following mechanisms:</p> <ol style="list-style-type: none"> <li>1) Client Packager (Executable &amp; Microsoft Installer (MSI) Package Format)</li> <li>2) Web install page or through the Web Console of the management station.</li> <li>3) Login Script Setup</li> <li>4) Remote installation</li> <li>5) From a client disk image</li> <li>6) Inbuilt capability or through AD or through SCCM All the client components should be installed using the single client package.</li> </ol>

13	Mail Client Security- Antivirus solution should be able to Scan email traffic. Must be able detect/clean malware and check the reputation of the files in mail attachments. Should support scanning of mail.
14	Anti-spoofing - Should Protects the transmission of data from being sent to a hacker system who has spoofed their IP or Mac Address
15	Process Execution Chains - Agent has the ability to detect and block process execution chains. It is able to detect when a malicious application tries to execute a trusted application, and then use the trust privileges of that application to access the network.
16	Anti-application hijacking - Should prevent hackers and web sites from identifying the operating system and browser of individual computers.
17	Code insertion attack prevention - Solution should allow only trusted applications to execute and Prevent malicious applications from inserting code into trusted application.
18	Solution must be able to display and customize warning messages on infected computers. For example, if users have a spyware program installed on their computers, you can notify them that they have violated your corporate policy.
19	Must be able to reduce the risk of virus/malware entering the network by blocking files with real-time compressed executable files. Should also be capable of scanning multi levels of compressed files.
20	To address the threats and nuisances posed by Trojans, the solution should be able to do the following: <ul style="list-style-type: none"> <li>1) Terminating all known virus processes and threads in memory</li> <li>2) Repairing the registry</li> <li>3) Deleting any drop files created by viruses</li> <li>4) Restoring all files damaged by viruses whenever possible.</li> <li>5) Includes Cleanup for Spyware, Adware etc</li> </ul>



22	Solution must be able to detect malware without virus clean up components like signatures. It should detect threats using reputation or similar to determine if it is malicious and then clean/quarantine/delete these entries.
23	Solution should provide layered protection to applications like Host IPS/IDS, firewall, device control with Antivirus and Antispyware
24	Must provide Outbreak Prevention to limit/deny access to specific shared folders, block ports, and deny write access to specified files and folders on selected clients in case there is an outbreak
25	Should have a manual outbreak prevention feature that allows administrators to configure port blocking, block shared folder, and deny writes to files and folders manually
26	Shall be able to scan only those file types which are potential virus carriers (based on true file type).
27	Should be able to detect files packed using real-time compression algorithms as executable files.
28	Must protect clients and servers on the network using stateful inspection, high performance network virus scanning, and elimination.
29	Must provide the flexibility to create firewall rules to filter connections by IP address, port number, or protocol, and then apply the rules to different groups of users
30	Solution should provide protection from ransomware and provides detailed information. It should also block AutoRun files.
31	The Solution should have option to integrate with Sandboxing Solution for detection of zero day malwares and Ransomware attacks.
	<b>Management</b>

1	Should be managed from a single centralized console and should provide integrated management for endpoint security solution. It should be able to deploy, manage, and update agents and policies from one management platform.
2	The management server should be able to download updates from different source if required, which could be the vendor's update server, any other server or a UNC path
3	Must reduce network traffic generated when downloading the latest pattern by downloading only incremental patterns
4	Must have the flexibility to roll back the Virus Pattern and Virus Scan Engine if required via the web/management console
5	All scan client features (antivirus, anti-spyware, firewall, intrusion detection /prevention, application and device control) should be installed at the same time via client deployment methods and managed centrally via the web-based management console.
6	All components of solution should be managed from a centralized server/console.
7	The Server should also be able to manage and support IPv6 desktop clients.
8	Multiple Management servers should be installed in cluster mode (active/standby or active/active) the servers should be able to synchronise between them automatically. Any additional clustering software/hardware required should be bundled with the solution.
9	The solution must have readymade policies including – <ul style="list-style-type: none"> <li>1) To make all removable drives read only ,</li> <li>2) To block program from running from removable drives</li> <li>3) Protect clients files and registry keys</li> </ul>

	4) Block modifications to host files
10	Central management console should support role based access control
11	Should support real time update based on over the web to provide real time signatures for dynamic and latest threats.
	<b>Reporting</b>
1	Solutions should support report customization and allow viewing directly using a web browser and/or as a dashboard using the same management console for the endpoints.
2	Solution should supports atleast one of the following formats for exporting data: CSV, HTML, XML, Acrobat PDF
3	Must be able to send notifications whenever it detects a security risk on any client or during a security risk outbreak, via E-mail or SNMP trap
4	Should have a feature that notifies administrators about security risk or viruses outbreaks. This should be configurable on number and type of occurrences of new risks or viruses or logs and the time period within which they must occur to trigger the notification on any computer, on a single computer, or on distinct computers.
5	Should be able to generate a reports of clients which should include fields <ul style="list-style-type: none"> <li>1.Username in computer</li> <li>2.Hostname</li> <li>3.All Network parameters</li> <li>4.Definition date in client</li> <li>5. Client status Online/Offline</li> <li>6. Client version/ Agent version</li> </ul>
	<b>Browser Security</b>
1	Should Support the latest version of Internet Explorer, Mozilla Firefox and Google Chrome browsers

2	Should provide browser protection to prevent malicious code running in the browser to stop exploits to vulnerabilities or code itself. Solution should have web reputation services
	<b>Others</b>
1	Should be able to update definitions & scan engine on the fly, without a need for reboot or stopping of services on servers or whenever a user reboots or deferring reboot.
2	Should support integration with Active directory
3	Should provide Real time Active protection on memory, process termination / file removal of pests in active memory
5	Solution should lookup and update threat reputation from Central Management Server and if Central Management Server is not available should lookup OEM cloud over internet.
6	Database software, if any, required for configuration and Inventory should be bundled with the solution.
7	Must have smart feedback enable/disable option to enable feedback from the client agents to the threat research centers of the vendor. This will enable it to deliver automatic, real-time protection against the latest threats and provides "better together" security.
	<b>Mail Gateway</b>
1	Should provide mail gateway solution with antivirus and anti-spamming capabilities
2	Centralized management of email traffic, quarantine logs and reporting.
3	Should be available as SW Compatible with Virtual Platforms.
4	Should block up to 90% of all malicious content prior to secondary inspections.

5	Rate Control : Should have option to control number of connections allowed from the same IP address/domain with option to exempt selected IP/domain.
6	Should have both Inbound and Outbound Filtering
7	Should be able to receive email from IPv6 networks, apply content policies, and deliver to either IPv4 or IPv6 networks.
8	Should have the capability to force a SMTP over TLS connection when sending email to or receiving email from a specific domain.
9	Should be able to block bounce messages/NDR's from forged return addresses that did not originate from the network
10	Quarantined emails should be available to users for review (End user quarantine)
11	Should have comprehensive Audit Trail and System Logging
12	Trusted admin access - Access to management console GUI should be restricted based on IP addresses or range of IP addresses.
13	should support multiple administrators with varying levels of access
14	Management console should have the provision to backup and restore the configuration to local disk or remote host.
15	Should have graphical reporting tools.
16	Whitelisting/Blacklisting at the Mail Gateway level based on From ,Subject, Body Content, Header, Mailer Agent, IP, Domain etc
17	AntiSpam and AntiVirus at Mail gateway must check every mail coming in or going out for SPAM and Virus
18	Attachment Filter : Should be able to block/quarantine mails based on attachments, option should be available to check the file attachments in archives.
19	SPF Sender Policy Framework and Sender ID Validation : Reject mail with a 'From' address that contains a domain that matches that of a recipient for which the device has been configured for.
20	Should be able to do reverse DNS lookup using the IP address of the sender to find the hostname associated with it.
21	Real time IP Blocklist : Should check against RBL servers to determine whether the connecting IP is a known or suspected spam originating IP address.
22	should be able to store certain number of emails on the solution itself and also have the capability to forward/download the emails to an alternate email address.
23	All SPAM mails must be delivered to a separate account along with delivery to the recipient with tag "SPAM" to the Subject line
24	All mails containing viruses must be delivered to a separate account.

25	The AntiVirus patterns must be updated automatically from the OEM website at specified intervals
26	Antispam should have a provision to auto learn and manual learn from mails marked as SPAM by end user (can be changed as “marked as SPAM from admin console”)
27	The Anti-SPAM templates must be automatically updated from the OEM site at specified intervals
28	Vendor has to provide integration to existing MTAs(postfix, sendmail, Exchange, zimbra etc)
29	The solution should include High Availability feature, ie. Clustering between two instance of email Gateway.
30	Should apply automatic, customer-specific reputation services, stopping spam and viruses, and create a firewall against DHA and bounced mail attacks.
	<b>Web Gateway</b>
1	Should have the capability to act as a fast web proxy server with web filtering services
2	Should have application Layer Blocking
3	Should provide Comprehensive Audit Trail and System Logging
4	Should have Forward Proxy option
5	Should be able to integrate with the Active Directory LDAP/ OpenLDAP for user authentication and single sign-on and should support configuration of at least two authentication servers, so that, in case of failure of one authentication server, the other authentication server should authenticate without any manual intervention.
6	Should be able to integrate with any web proxy software’s like squid, etc
7	Should support IP based authentication and local user based authentication
8	Should have Https decryption, Malware scan, inspection etc.
9	Should be available as SW Compatible with Virtual Platforms.
10	Must provide Web threat protection by the following ways: <ul style="list-style-type: none"> <li>1) Must be able to protect the endpoints from Web threats by blocking access to and from malicious sites based on the URL's reputation ratings</li> <li>2) Must extend Web threat protection to the endpoints even when they disconnect from the network, i.e. regardless of the location</li> </ul>

	<p>3) Must have the capabilities to define Approved URLs to bypass Web Reputation policies</p> <p>4) Must provide real-time protection by referencing online database with millions of rated Web domains</p> <p>5) Configure Web reputation policies and assign them to individual, several, or all clients.</p> <p>6) Must provide File reputation service</p> <p>7) Must be able to check the reputation of the files hosted in the internet</p> <p>8) Must be able check the reputation of the files in webmail attachments</p> <p>9) Must be able to check the reputation of files residing in the computer</p> <p>10) The solution must support user based policy configuration for security and Internet access based on Active directory groups. This allows administrator to define user or group based access policies to Internet.</p>
11	Provision to whitelist or blacklist URLs or domains or IP/Subnet range
12	<p>Reporting</p> <p>Provide web based reports for per IP/user web sites visited, duration, usage(upload/download). Top Sites, Top Downloads</p>
13	<p>Per IP/user bandwidth threshold.</p> <p>Per IP/user maximum upload/download size.</p>
14	Should support Forward Proxy, Reverse Proxy, Transparent, Bridge Mode, WCCP, ICAP, HTTP, FTP and HTTPS proxy
15	Should support file type blocking with MIME Content Type
16	Should support Java Applet and ActiveX code security
17	Should be on premises based solution
18	The solution should include High Availability feature, ie. Clustering between two instance of web Gateway.
19	The solution should have the option to configure both Ipv4 and IPv6 IPs for the clients to access.
20	The solution should have Inbuilt Caching Mechanism
21	The solution should scan all Incoming traffic, should effectively mitigate malware that attempts to bypass proxy and should block any malicious outbound traffic.
22	The solution should have URL database which should have minimum 50 + pre-defined categories.
23	URL database should be updated regularly by the OEM automatically.

24	The solution should detect and block spyware activity trying to connect to the outside Internet through proxy. The solution should effectively mitigate malware that attempts to bypass proxy.
25	The solution should have inbuilt virus engine to block any Virus activity in HTTP, HTTPS and FTP traffic.
26	The solution should block web based threats, like adware, browser hijackers, phishing, pharming, rootkits, trojans, worms, system monitors and keyloggers.
27	URL check & submission - Provision should be available to check URL category and submit new URL for categorization.
28	DNS Splitting : The solution should support configuration to use split DNS. It should be able to refer to different DNS for Different Domains (e.g. root dns for all external domains and internal DNS for organization domain).
29	The solution should have facility to inform end user with notification page informing them of organization internet usage policies and provide reasons as to why they have been blocked. (The page should be customizable by the administrator).
30	Apart from http access from popular web browsers, the solution should allow FTP clients like Filezilla/Winscp to access FTP Sites.
	<b>Management</b>
1	Secure Web Based management - The solution should be manageable via HTTP or HTTPS Management console.
2	The solution should have the provision to backup and restore the configuration to local disk or remote host.
	<b>Notification Reporting</b>
1	List of clients with potential threats.
2	The retention period of the reporter details should be for a period of atleast 30 days with no db size limitation . The retention period should also be customizable.



Unit	Location	Anti-virus	Dedicated Anti-Virus server	Email gateway (mailboxes)	Web Gateway			Contract Start day	
					Concurrent	Total	Bandwidth (Mbps)	Anti-Virus	Email Gateway
ARP	Delhi	45	0	0	0	0	0	31/12/2016	NA
CDT	Delhi	647	1	2600	1000	1000	32	31/12/2016	31/12/2016
HRDI	Noida	85	0	0	0	0	0	31/12/2016	NA
IS(ROD, IO, TBG)	Delhi	640	1	785	600	640	16	31/12/2016	31/12/2016
PEM	Noida	900	1	800	600	820	16	31/12/2016	31/12/2016
PMG	Delhi	125	0	0	0	0	0	31/12/2016	NA
PS-HQ	Delhi	96	0	0	0	0	0	31/12/2016	NA
PS-Marketing	Delhi	164	1	0	0	0	0	31/12/2016	NA
PS-TS	Noida	94	1	0	0	0	0	31/12/2016	NA
SSBG	Noida	120	0	0	0	0	0	31/12/2016	NA
PS-NR *	Noida	650	1	650	0	0	0	15/08/2017	15/08/2017
PS-ER *	Kolkata	700	1	1000	200	648	4	28/05/2017	27/04/2017
PS-SR *	Chennai	100	1	800	300	500	45	18/08/2019	01/08/2017
		200						15/01/2019	
		100						23/11/2018	
PS-WR *	Nagpur	700	1	700	350	500	16	28/10/2017	28/10/2017
Piping Center	Chennai	375	2	250	200	300	20	22/03/2018	01/04/2018
				250					01/01/2017
BAP	Ranipet	100	1	0	0	0	0	23/04/2018	NA
		230		0	0	0	0	23/04/2018	
		300		0	0	0	0	23/04/2018	
EMRP	Mumbai	60	1	0	0	0	0	01/09/2018	NA
HEEP	Haridwar	2500	2	2500	1000	2500	57	30/06/2018	30/06/2018
HPVP	Vishakhapatnam	400	1	0	0	0	0	10/03/2017	NA
HPBP	Trichy	0	0	4000	0	0	0	NA	12/09/2017
TP	Jhansi	600	1	750	750	750	12	29/11/2017	31/12/2016
		150						31/12/2016	
HEP	Bhopal	3000	1	5000	700	1500	30	25/10/2017	31/12/2016
EDN	Banglore	2001	1	1558	1250	1439	20	01/05/2017	01/02/2017
ISG	Bangalore	400	1	400	200	400	16	01/06/2017	31/12/2016
HPEP	Hyderabad	3200	1	5000	2700	3200	60	16/06/2017	18/08/2018
RND,	Hyderabad	750	1	500	350	350	8	21/07/2017	21/07/2017
IVP	Goindwal	130	1	100	60	60	8	05/03/2018	05/03/2018
EPD	Bangalore	330	1	450	200	200	8	24/03/2018	24/03/2018

CFP	Rudrapur	130	1	0	130	130	8	20/06/2018	NA
CSU & FP	Jagdishpur	130	1	0	120	130	8	21/07/2017	NA
IP	Jagdishpur	300	1	300	300	300	300	31/12/2016	31/12/2016
HERP	varanasi	150	1	0	0	0	0	27/06/2018	NA

### **TECHNICAL PQR**

- Proposed anti-virus solution should be from the Leader's quadrant as per latest published Gartner report at the time of floating of tender enquiry.
- Web gateway and email gateway from same OEM as the anti-virus software should be offered. If all three products i.e. Anti-virus, Email gateway and web gateway are not offered by the same OEM, then proposed email gateway and web gateway should be from the magic quadrant as per latest published Gartner report at the time of floating of tender enquiry.
- The bidder should be an original equipment manufacturer (OEM) or original equipment supplier **(OES) or their duly authorized partner** for this tender. Bidder to furnish certificate in this regard.
- The bidder must have successfully executed at least one order of supply, installation and AMC of Anti-virus/mail gateway/web gateway, number of licenses in which must be at least 16000, during last seven years. PO copies along with the full address and telephone numbers of the customers is to be submitted as proof.

Or

The bidder must have successfully executed at least two orders of supply, installation and AMC of Anti-virus/mail gateway/web gateway, number of licenses in which must be at least 10000, during last seven years. PO copies along with the full address and telephone numbers of the customers is to be submitted as proof.

Or

The bidder must have successfully executed at least three orders of supply, installation and AMC of Anti-virus/mail gateway/web gateway, number of licenses in which must be at least 8000, during last seven years. PO copies along with the full address and telephone numbers of the customers is to be submitted as proof.

## **EFT DETAILS**

**Name of the party**

**Name of the Bank**

**Address Of the Bank**

**Party's A/c no**

**Type of A/c**

**IFSC CODE**

**Vendor's E-MAIL ADDRESS**

**Authorised Signatory**

**Seal**

**THE ABOVE DETAILS ARE TO BE SUBMITTED IN ORIGINAL, ON THE  
COMPANY'S LETTERHEAD DULY ATTESTED BY YOUR BANKERS**

# **BHEL-PEM-NOIDA**

**Annexure - I**

**Page 1 of 2**

## **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.

# **BHEL-PEM-NOIDA**

**Annexure - I**

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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 asked by BHEL), if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
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.

**Sites of PS-NR**

S.No.	Location
1	Noida
2	Anpara D
3	RSC Chandigarh
4	RSC Varansi
5	Bara
6	Barsingsar
7	GVK Goindwal
8	Harduaganj
9	Lalitpur
10	Obra R&M
11	Parichha
12	R&M bhatinda
13	Parbati
14	Srinagar
15	RAPP Kota
16	Unchahar
17	Gadarwara

### Sites of PS-ER

S/L NO	LOCATION	Address
<b>SITE-A</b>		
1	PSER HO,KOLKATA	BHEL BHAWAN, PLOT NO. 9/1,DJ-BLOCK, SECTOR-II, SALT LAKE CITY,KOLKATA-700091
2	BSEB BARAUNI	BSEB Barauni (2X250 MW),BHEL Site Office,AT + PO - Barauni Thermal Power Station, District - Begusarai, Pin-851116
3	IPCL HALDIA	BHEL Site Office, IPCL Haldia 3x150 MW Thermal Power Project, Vill - Kashberia, P.O. Shibramnagar, P.S. Bhabanipur, Haldia, Dist. Purba Medinipur-721635 (West Bengal)
4	SURATGARH TPS	BHEL SITE OFFICE, 2X660MW BHEL-PSER SURATGARH SITE OFFICE STPS, THERMAL POWER PLANT SURATGARH, DIST-SRI GANGANAGAR RAJASTHAN – 335805
5	BRBCL NABINAGAR	BHEL Site Office, 4x250 MW Nabinagar Project BRBCL P.O. Nabinagar Dehri-onsone, Dist. Aurangabad, Bihar - 824 303
6	NPGCL NABINAGAR	BHEL Site Office, 3 X 660 MW Nabinagar Project NPGCL Shivanpur, P.O.-Ankhora, Dist.-Aurangabad, Bihar, PIN: 824303
7	IB VALLEY,JHARSEGUDA	BHEL Site Office, 2X660MW, UNIT 3 and 4, IB Thermal Power Station-OPGCL Banharpalli, Jharsugura, Orissa- 768234



8	NORTH KARANPURA	3 X 660 MW, NORTH KARANPURA SUPER THERMAL POWER PROJECT NTPC, TANDWA, DIST CHATRA, JHARKHAND-825321
9	APGCL NAMRUP	BHEL Site Office, NBPPL Site Office, Namrup Thermal Power Station (NTPS) Namrup, P.O. N.T.P.S., Distt. Dibrugarh, Assam - 786622
10	NSPCL Rourkela	1 x 250MW NSPCL ROURKELA TPP-III, ROURKELA STEEL PLANT, ROURKELA, DIST-SUNDARGARH, ODISHA, PIN-769011
11	Rammam	Mr.Bipul Barman, H/O - Mr.Rovin Mukhia, 2nd Floor, Santinagar MW (near Saktipit Mandir), Jorethang Nagar Panchayat, Nayabazar Forest Block Nayabazar, South Sikkim-737121
<b>SITE-B</b>		
1	SINGERINI COLLIERIES	BHEL SITE OFFICE (2X600 MW), SINGARENI TPP, PEGADAPALLI (VILLAGE), JAIPUR(MONDAL) DIST. ADILABAD, ANDHRA PRADESH-504216
2	BOKARO-A	BHEL SITE OFFICE, BOKARO A, P.O. Bokaro Thermal, DVC, Distt: Bokaro, Jharkand-829107
3	WBPDCI:SAGARDIGHI	BHEL Site Office,Sagardighi (Extn.) Project-Ph.II-(2x500 MW (Extn.)),Sagardighi,Dt. Murshidabad, West Bengal-742237,

4	DPL:DURGAPUR	BHEL Site Office, 1 x 250 MW, Durgapur Project Limited, Dist. Burdwan, Durgapur-713201 (West Bengal)
5	KBNUL:MUZAFARPUR	Muzaffarpur TPP, Kanti Phase II, (2x195 MW) BHEL Site Office, Muzaffarpur TPP, Kanti Dist. Muzaffarpur, Bihar-843130
6	HNPCL:VIZAG	HINDUJA NATION POWER CORPORATION LTD,1040 MW VIZAG PROJECT,VILLAGE :PALAVALASA , POST:T.DEVADA ,PEDAGANTAYADA MANDAL,STEEL PLANT (SUB OFFICE),VISHAKHAPATNAM - 530031
7	IOCL PARADIP	BHARAT HEAVY ELECTRICALS LIMITED,IOCL-PARADIP REFINERY PROJECT,JHIMANI (POST), JAGATSINGHPUR DISTRICT,ORISSA-754141
8	BARH	BARH SITE OFFICE,Ganga Bihar,NTPC Transit Camp, P.O. Barh, Patna Bihar-803213
9	NEEPCO KAMENG	BHEL TRANSIT CAMP, Opp:BSNL Campus, Upper Bhalukpong, West Kameng District, Arunachal Pradesh-790114
10	SAS PATNA	BHEL-SAS, B Block,3rd Floor,Maurya Lok Complex,Dakbunglow Road, Patna-800001
11	NTPC-BONGAIGAON	BHEL SITE OFFICE, 3 X 250 MW NTPC-Bongaigaon TPP, P.O. Salakati, Dist. Kokrajhar (BTAD) , ASSAM-783369

	12 Tural	Site Office: BHEL Transit Flat cum Site Office, NEEPCO TURAL HEP, Mizoram;Silchar Address: C/o NEEPCO IB, Silchar City Arcade, 4th Floor, Rangerkhari, Sonai Road, Silchar-788005
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### Sites of PS-WR

Site/Office	State
Amravati	Maharashtra
Bhavnagar	Gujarat
Chandrapur	Maharashtra
DB Power	Chhattisgarh
Hindalco Mahan	Madhya Pradesh
Jhabua Power	Madhya Pradesh
JPL Raigarh	Chhattisgarh
Kakrapara	Gujarat
Koradi	Maharashtra
Manuguru	Telangana
Mauda	Maharashtra
<b>Nagpur</b>	<b>Maharashtra</b>
Nasik	Maharashtra
New Parli	Maharashtra
NMDC Nagarnar	Chhattisgarh
NTPC Korba	Chhattisgarh
NTPC Lara	Chhattisgarh
NTPC Ramagundam	Telangana
OPaL Dahej	Gujarat
ONGC Hazira	Gujarat
<b>RSC Vadodara</b>	<b>Gujarat</b>
RUPPL Dahej	Gujarat
RUPPL Hazira	Gujarat
SAIL Bhilai	Chhattisgarh
Satpura	Madhya Pradesh
Sikka	Gujarat
Sintex Dhule	Maharashtra
Vindhyachal	Madhya Pradesh
Wanakbori	Gujarat

### Sites of PS-SR

S.No	SITE	ADDRESSES
1	ADITYA BIRLA HINDALCO	BHEL SITE OFFICE, ADITYA ALUMINIUM PROJECT, LAPANGA, SAMBALPUR, ORISSA
2	BELLARY	BHEL SITE OFFICE, BELLARY TPP, KUDATHINI – 583 115, BELLARY DISTRICT, KARNATAKA
3	DARLIPALI	BHEL SITE OFFICE STPP DARLIPALI 2 X 800 MW STAGE 1 PO DARLIPALI VIA SARGIPALI, ZINC NAGAR SUNDARGARH -770072, ORISSA
4	ENNORE SEZ	BHEL SITE OFFICE 2 X 660 MW ENNORE SEZ STPP VAYALUR BR PO MINJUR PO TAMILNADU - 601203
5	JITPL ANGUL	BHEL SITE OFFICE, 2X600 MW JINDAL INDIA THERMAL POWER LIMITED, VILL/P.O DERANGA, VIA TALCHER/KANIHA, DIST ANGUL, ORISSA - 759117
6	KAKATIYA	BHEL SITE OFFICE, KAKATIYA THERMAL POWER PROJECT, POST BAG NO. 1, CHELPUR 506 168, WARANGAL DISTT (TELENGANA)

7	KOTHAGUDEM	BHEL SITE OFFICE 1 X 800 MW TSGENCO KOTHAGUDEM PALONCHA - 507115 ORISSA
8	KRISHNAPATTANAM	BHEL SITE OFFICE, 2 X 800 MW, SRI DAMODARAM SANJEEVAIAH TPS, NELATUR, KRISHNAPATTANAM, NELLORE DISTRICT, (AP)
9	MANALI	BHEL SITE OFFICE, 1 X 150 MW TPH UTILITY BOILER PROJECT CHENNAI PETROLEUM CORPORATION LTD MANALI, CHENNAI - 600068
10	MEIL TUTICORIN	BHEL Site Office, Tuticorin TPP Stage-IV(1X525 MW) SEPC Power Pvt Ltd, Harbour Estate, Thoothukudi Distrct, Tamilnadu- 628004
11	MRPL	BHEL SITE OFFICE, MANGALORE REFINERY AND PETROCHEMICALS LIMITED, KUTHETHOOR P.O, VIA KATIPALLA, MANGALORE - 575030
12	MUDDANUR	BHEL SITE OFFICE, RAYALASEEMA TPP, VV REDDY NAGAR, KALAMALA P.O, CUDAPPAH DT.A.P - 516312
13	NALGONDA	BHEL SITE OFFICE YADADRI THERMAL POWER STATION(5X800 MW) VEERLAPALEM VILLAGE DAMARCHERLA MANDAL NALGONDA DISTRICT - 508208

14	NEYVELI AND NNTPP	BHEL SITE OFFICE, NEYVELI P. B. NO. 5, BLOCK NO. 29 POST OFFICE, NEYVELI - 607807
15	NORTH CHENNAI	BHEL SITE OFFICE, NORTH CHENNAI THERMAL POWER STATION STAGE II, ATHIPATTU PUDUNAGAR, CHENNAI - 600 120
16	RINL VIZAG	BHEL SITE OFFICE, TPP ZONE, CPP EXPANSION, VISAKHAPATNAM STEEL PLANT, VISAKHAPATNAM - 530031 AP
17	SECUNDERABAD	BHEL POWER SECTOR , SERVICE AFTER SALES , EKTARA BUILDING, 39 SAROJINIDEVI ROAD, SECUNDERABAD – 500 003
18	UPPUR	Ramanathapuram District, Tamil Nadu
19	VIJAYAWADA	BHEL – Site Office Dr. Narla Tatarao Thermal Power Station – Stage V (1 X 800 MW) Ibrahimpattam, Krishna District, Andhra Pradesh – 521456
20	YELAHANKA	BHEL Site office, KPCL DG Plant premises Opp. NCC meadows Apartment Bangalore- Doddaballapur highway Yelahanka Bangalore
21	YERMARUS	BHEL SITE OFFICE, YERMARUS THERMAL POWER STATION, RAICHUR POWER CORPORATION LTD, RAICHUR INDUSTRIAL GROWTH CENTRE, CHUKSUGAR, RAICHUR DISTRICT, KARNATAKA - 584134

PRICE BID FORMAT

Unit Price (Excluding Taxes)			
	Anti-virus	Email gateway	Web gateway
Per License charges as per scope (Exclusive of taxes) (A)	To be quoted	To be quoted	To be quoted
Per quarter per license charges for AMC/Support (Exclusive of taxes) (B)	To be quoted	To be quoted	To be quoted
Price per Resident Engineer Per Quarter (Exclusive of taxes)	To be quoted		

Note : (A) should not be more than 65 % of yearly total price i.e. (A) should be less than or equal to 0.65 \* [(A)+4(B)]

	Applicable taxes (to be quoted in numeric value only)											
	Name of the State	New Delhi	Uttar Pradesh	Telangana	Punjab	Madhya Pradesh	Andhra Pradesh	West Bengal	Maharashtra	Tamil Nadu	Karnataka	Uttarakhand
Antivirus	CST / VAT	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Service Tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Any other tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
Email Gateway	CST / VAT	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Service Tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Any other tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
Web Gateway	CST / VAT	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Service Tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Any other tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
For AMC / Support	Service Tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Any other tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
For Resident Engineer	Service Tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted
	Any other tax	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted	To be quoted

Unit	Location	Anti-virus	Dedicated Anti-Virus server	Email gateway (mailboxes)	Web Gateway			Contract Start day			Contract end day			Anti-virus				Email Gateway				Web Gateway				Resident Engineer	Total cost for complete period			
					Concurrent	Total	Bandwidth (Mbps)	Anti-Virus	Email Gateway	Web Gateway	Anti-Virus	Email Gateway	Web Gateway	Number of quarter	Total License Cost (Including Taxes)	Maintenance cost for all licenses for complete period	Total price (incl taxes)	Number of quarter	Total License Cost (incl. Taxes)	Maintenance cost for complete period	Total price (incl taxes)	Number of quarter	Total License Cost (incl. Taxes)	Maintenance cost for complete period	Total price (incl taxes)					
ARP	Delhi	45	0	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
CDT	Delhi	647	1	2600	1000	1000	32	31/12/2016	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!					
HRDI	Noida	85	0	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
IS(ROD_ID_TBG)	Delhi	640	1	785	600	640	16	31/12/2016	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!					
PEM	Noida	900	1	800	600	820	16	31/12/2016	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!	12	#VALUE!	#VALUE!	#VALUE!					
PMG	Noida	125	0	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
PS-HQ	Delhi	96	0	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
PS-Marketing	Delhi	164	1	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
PS-TS	Noida	94	1	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
SSBG	Noida	120	0	0	0	0	0	31/12/2016	NA	NA	30/12/2019	NA	NA	12	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!	0	#VALUE!	#VALUE!	#VALUE!					
PS-NR *	Noida	650	1	650	0	0	0	15/08/2017	15/08/2017	NA	30/12/2019	30/12/2019	30/12/2019	N/A	9.67	#VALUE!	#VALUE!	#VALUE!	9.67	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	Y	#VALUE!		
PS-ER *	Kolkata	700	1	1000	200	648	4	28/05/2017	27/04/2017	31/12/2016	30/12/2019	30/12/2019	30/12/2019	10.67	#VALUE!	#VALUE!	#VALUE!	11.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
PS-SR *	Chennai	100						18/08/2019			30/12/2019			1.67	#VALUE!	#VALUE!	#VALUE!	9.67	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
		200	1	800	300	500	45	15/01/2019	01/08/2017	31/12/2016	30/12/2019	30/12/2019	30/12/2019	4.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
		100						23/11/2018			30/12/2019			4.67	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
PS-WR *	Nagpur	700	1	700	350	500	16	28/10/2017	28/10/2017	28/10/2017	30/12/2019	30/12/2019	30/12/2019	9.00	#VALUE!	#VALUE!	#VALUE!	9.00	#VALUE!	#VALUE!	#VALUE!	9.00	#VALUE!	#VALUE!	#VALUE!	N				
Piping Center	Chennai	375	2	250	200	300	20	22/03/2018	01/04/2018	25/02/2017	30/12/2019	30/12/2019	30/12/2019	7.33	#VALUE!	#VALUE!	#VALUE!	7.00	#VALUE!	#VALUE!	#VALUE!	11.67	#VALUE!	#VALUE!	#VALUE!	N				
				250				01/01/2017			30/12/2019	30/12/2019	30/12/2019		#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!		#VALUE!	#VALUE!	#VALUE!					
		100		0	0	0	0	23/04/2018			30/12/2019			7.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
BAP	Ranipet	230	1	0	0	0	0	23/04/2018		NA	30/12/2019		NA	7.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
		300		0	0	0	0	23/04/2018			30/12/2019			7.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
				0	0	0	0				30/12/2019				#VALUE!	#VALUE!	#VALUE!		#VALUE!	#VALUE!	#VALUE!		#VALUE!	#VALUE!	#VALUE!	N				
EMRP	Mumbai	60	1	0	0	0	0	01/09/2018	NA	NA	30/12/2019	NA	NA	5.33	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
HEEP	Haridwar	2500	2	2500	1000	2500	57	30/06/2018	30/06/2018	15/12/2017	30/12/2019	30/12/2019	30/12/2019	6.33	#VALUE!	#VALUE!	#VALUE!	6.33	#VALUE!	#VALUE!	#VALUE!	8.33	#VALUE!	#VALUE!	#VALUE!	Y	#VALUE!			
HPVP	Vishakhapatnam	400	1	0	0	0	0	10/03/2017	NA	NA	30/12/2019	NA	NA	11.33	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
HPBP	Trichy	0	0	4000	0	0	0	NA	12/09/2017	NA	NA	30/12/2019	NA																	
TP	Jhansi	600						29/11/2017			30/12/2019			9.67	#VALUE!	#VALUE!	#VALUE!	9.33	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
		150	1	750	750	750	12	31/12/2016	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	12.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	N				
HEP	Bhopal	3000	1	5000	700	1500	30	25/10/2017	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	9.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	Y	#VALUE!			
EDN	Bangalore	2001	1	1558	1250	1439	20	01/05/2017	01/02/2017	01/02/2017	30/12/2019	30/12/2019	30/12/2019	10.67	#VALUE!	#VALUE!	#VALUE!	11.67	#VALUE!	#VALUE!	#VALUE!	11.67	#VALUE!	#VALUE!	#VALUE!		#VALUE!			
ISG	Bangalore	400	1	400	200	400	16	01/06/2017	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	10.33	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
HPEP	Hyderabad	3200	1	5000	2700	3200	60	16/06/2017	18/06/2018	16/06/2017	30/12/2019	30/12/2019	30/12/2019	10.33	#VALUE!	#VALUE!	#VALUE!	5.67	#VALUE!	#VALUE!	#VALUE!	10.33	#VALUE!	#VALUE!	#VALUE!	Y	#VALUE!			
RND	Hyderabad	750	1	500	350	350	8	21/07/2017	21/07/2017	21/07/2017	30/12/2019	30/12/2019	30/12/2019	10.00	#VALUE!	#VALUE!	#VALUE!	10.00	#VALUE!	#VALUE!	#VALUE!	10.00	#VALUE!	#VALUE!	#VALUE!	N				
IVP	Goidhwal	130	1	100	60	60	8	05/03/2018	05/03/2018	31/12/2016	30/12/2019	30/12/2019	30/12/2019	7.33	#VALUE!	#VALUE!	#VALUE!	7.33	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
EPD	Bangalore	330	1	450	200	200	8	24/03/2018	24/03/2018	24/03/2018	30/12/2019	30/12/2019	30/12/2019	7.33	#VALUE!	#VALUE!	#VALUE!	7.33	#VALUE!	#VALUE!	#VALUE!	7.33	#VALUE!	#VALUE!	#VALUE!	N				
CFP	Rudrapur	130	1	0	130	130	8	20/06/2018	NA	20/06/2018	30/12/2019	NA	30/12/2019	6.33	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	6.33	#VALUE!	#VALUE!	#VALUE!	N				
CSU & IP	Jagdishpur	130	1	0	120	130	8	21/07/2017	NA	31/12/2016	30/12/2019	NA	30/12/2019	10.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
FP	Jagdishpur	300	1	300	300	300	300	31/12/2016	31/12/2016	31/12/2016	30/12/2019	30/12/2019	30/12/2019	12.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
HERP	varanasi	150	1	0	0	0	0	27/06/2018	NA	NA	30/12/2019	NA	NA	6.33	#VALUE!	#VALUE!	#VALUE!	0.00	#VALUE!	#VALUE!	#VALUE!	12.00	#VALUE!	#VALUE!	#VALUE!	N				
														Total		#VALUE!		Total		#VALUE!		Total		#VALUE!		Total		#VALUE!		#VALUE!