



INDIGENOUS ENQUIRY	ENQUIRY REFERENCE	DATE
	4501600013	08.02.2016
NAME OF SUPPLIER :	DUE DATE FOR QUOTATION – 01.03.2016	
	THIS IS ONLY A REQUEST FOR QUOTATION AND NOT AN ORDER	

Sl. No.	Material Code	Description & Specification	Unit	Qty.	DELIVERY SHEDULE		
					Qty.	Date	Remarks
10		STANDARD TYPE / FRANKLIN ROD LIGHTNING PROTECTION SYSTEM. EACH NO. / SET SHALL CONSISTS OF THE FOLLOWING: (a) 5 Spike Copper Lightning Arrestor with complete set of 4 feet copper tube, 1 no. bowl and 1 no. copper base. (b) Down Conductors including Insulators and Fasteners. (c) Joints / End Terminations and Bonds. (d) Installation of Earth Electrodes as per IS 3043. (e) 1 No. / Set at Highest Points in the Terrace of BHEL - Transit Flat and 3 Nos. / Sets at Residential Complex.	No.	4			2 weeks from the date of PO

Suppliers Are Requested To Go Through Terms & Conditions Before Submission of Offers.

Encl. to Enquiry:

1. Important information to Bidders
2. Price Format
3. Technical Checklist (Annexure-I)
4. Unpriced Format
5. Commercial Checklist (Annexure – II)

Dear Sirs,

Please submit your lowest quotation in triplicate, subject to our terms and conditions overleaf, for the above materials, so as to reach us on or before the due date by 2 P.M.

1. Quotations will be opened at 2-30 P.M. on the due date in camera/In the presence of the tenderers who may like to be present.
2. Price should be nett FOR destination inclusive of risk in transmit and remain valid for 120 days from the due date.
3. If any Sales tax and Excise duty are payable as extra to the quoted price the percentage of the same should be specifically stated in the quotation failing which the purchaser will not be liable for payment of Sales Tax / Excise Duty. Our T.N.G.S.T.No.3560005/dt.1-4-95, C.S.T.No.239383 dt.11-6-91.
4. If the enquired items are coming under D.G.S & D rate contract, please indicate the rate contract prices duly sending a copy of the rate - contract along with your offer.
5. No revision of prices will be entertained after tenders are opened.
6. Manufacturers name, brand name trademark or patent No. if any should be specified. Illustrate leaflets giving particulars are required along with quotation wherever necessary.
7. The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject in part or full without assigning any reason whatsoever.
8. Late tenders are liable to be rejected.
9. Any deviations to the enquired technical and commercial conditions shall be clearly indicated in the covering letter of the quotation.

Yours faithfully,

For BHARATH HEAVY ELECTRICALS LIMITED

Abhishek Iyer
ABHISHEK KRISHNA IYER
Engineer - Purchase
BHEL - Piping Centre
Chennai - 600 017.
Manager / Purchase

IMPORTANT INFORMATION TO BIDDERS

1. This tender is a TWO PART bid, i.e, PQR-cum-technical bid and price bid are to be enclosed in two separate envelopes and sent in one larger envelope with tenderer's distinctive seal and super scribed with correct tender No., Item of supply and due date of opening.

The above bid shall be sent in a sealed envelope and duly superscribed as follows :-

"Enquiry No: 4501600013/08.02.2016, Tender opening date: 01.03.2016 (2.30 PM)"

It shall be addressed to the following:-

To,
Manager / Purchase
Bharat Heavy Electricals Limited,
Piping Centre,
80, G.N. Road, T.Nagar,
Chennai – 600 017.
Phone: 28161380/375"

Tenders should be free from CORRECTIONS AND ERASURES: Corrections if any, must be attested.

2. 100% payment after supply and installation, duly certified by BHEL User Dept.
3. **LIQUIDATED DAMAGES:** If the supplier fails to deliver the material within the period specified in the contract the purchaser shall deduct Liquidated Damages, a sum equivalent to 0.5% of the price for each week of delay or part thereof up to a maximum of 10% of the price of undelivered portion to be reckoned from the contract delivery date to cargo readiness date, i.e, date of installation and commissioning duly certified by BHEL user dept.
4. Any other conditions, which might have been quoted by the seller and are in contravention to the terms prescribed in the Enquiry and which have not been specifically accepted in by the purchaser will not be applicable to this contract.
5. **The original formats given along with Enquiry, containing the sign and seal of BHEL authorized signatory alone should be used.**
6. **Techno-Commercial Checklist, Unpriced Bid shall be sent alongwith the technical bid (Part-1) clearly mentioning the type of tax applicable, applicable on which parameters and %age. Values should not be mentioned. All these formats shall be duly signed and sealed by the vendor as acceptance to the same.**
7. BHEL Price Format alone should be sent in the Price Bid. (Part – II)
8. Last date of submission is 01.03.2016 (2 PM). The bid opening date and time is 01.03.2016, 2.30 PM.


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9. L1 bidder will be arrived based on the total landed cost to BHEL, including taxes and duties for the entire contract period.
10. BHEL reserves the right to negotiate with the L-1 bidder.
11. **Loading Criteria:**

Payment Terms - BHEL operates various payment terms for the tenders floated and bidders should accept the payment terms specified in the tender. Loading of any deviation in the payment terms w.r.t. NIT terms shall be referenced as follows; 'Base rate of SBI (as applicable on the date of bid opening; Techno-commercial bid opening in case of two part bids) + 6%', shall be considered for loading for the period of relaxation sought by bidders..

Liquidated Damages - Any loading on LD clause shall be to the extent to which it is not agreed to by the bidder (at offered value).

For any clarifications, kindly contact us on the above mentioned address and contact number. Kindly keep your offer error-free, which may otherwise lead to rejection of your offer.

12. Documents to be submitted with Part – 1 (Technical-cum-PQR) bid

- a) Filled up Technical Checklist (Annexure – I)
- b) Filled up Commercial Checklist (Annexure – II)
- c) Unpriced Bid (mentioning only taxes)
- d) Filled up PQR checklist with supporting documents

13. Documents to be submitted with Part-2 bid (Price Bid)

- a) Price Format, free of any errors and corrections

The bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.


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Pre Qualification Criteria

Sl.No.	Description	Bidder's Confirmation
1	Bidder should have installed building lightning protection system in the past 2 years. (enclose evidence).	
2	Bidder should furnish reference list of customers, with full contact details to whom lightning protection systems have been supplied in the past. The bidder should also submit following details which are necessary for qualifying their offer.	
2.1	Name and postal address of the customer or company where lightning protection system installed.	
2.2	Name, designation, contact phone numbers and email address of the contact person of the customer.	
3	BHEL reserves the right to verify the information provided by bidder. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	
4	Authorization certificate from the Principal Supplier should be submitted in case a Dealers/ Agents.	



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Lightning protective system comprising of air terminations, down conductors, joints and bonds, testing points, earth terminations and earth electrodes as per IS 2309:1989

Sl.No.	Description	Bidder's confirmation/ comments	Deviations
1	Supply and fixing of five-spike copper lightning rod as per IS 2309:1989 with complete set of copper tube, one number bowl, one number copper base plate on the top of the mounting structure. Topmost height of area to be protected is approximately 30 meter. Quantity - 4 Sets		
2	Supply and Fixing of 25 x 3 mm copper flat for earthing of lightning arrester on the wall/column from the base of the lightning rod to the earth electrode with necessary connections by using necessary ceramic /cast resin insulators, clamps, bolts, nuts and washers etc-length.		
2.1	All the materials required for carrying out the work will be in the scope of the contractor. Electricity will be supplied only at one point by BHEL free of cost at site.		
3	Providing earth electrodes as per standards:-		
3.1	Excavation of earth and supply and installation of earth electrode conforming to IS: 3043 -1987. The electrode will be of 50mm dia. G.I. pipe, class C having wall thickness of 5mm and length 2500mm. with filling alternate layers of Bentonite, river sand and charcoal around the electrode. Construction of masonry chamber and cover etc. is to be carried out. Earth resistance value to be measured and to be painted on the inside wall along with earth electrode No. and date of inspection.		
3.2	Before commencement of work, contractor should discuss with area in-charge and finalise the location plan for the installation of earth pits.		
3.3	After excavation of earth & before closing the same it should be shown to area in-charge.		
3.4	Unique earth pit number will be allotted for every earth pit and same is to be painted with black colour paint on the inside wall of masonry chamber and cover.		
3.5	After erection of earth pit, the ohmic value to be measured in the presence of area in-charge and final report to be given.		
4	Scope of supply:-	QTY	
4.1	Lightning Arrestors	4 sets	
4.2	Down conductors including insulators & fasteners	as required for 4 sets	
4.3	Joints / end terminations and bonds	as required for 4 sets	
4.4	Installation of Earth electrodes as per IS 3043	4 nos	
5	General Points:-		
5.1	Bidder is advised to quote unit rate for the Scope of the supplies against SI no 4		
5.2	Bidder's responsibility, right and liabilities under this project will commence from the date of acceptance of the purchase order.		
5.3	The installation activity must be carried out in such a manner that will not cause any inconvenience to the other agencies working in the site. Any permits from the customer, if required, are to be arranged by the bidder for his personnel.		
5.4	After completion of the installation, the entire site/area should be cleaned of debris etc. by the bidder prior to handing over of the site to BHEL.		
5.5	All the materials brought to site should have proper paper work like DC, Invoice etc. duly verified & signed by BHEL/BHEL's customer to be submitted to BHEL for payment.		
5.6	Any damage to the buildings/structures/area made by bidder's work men or by bidder's agent should be made good by bidder at bidder's cost.		

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ANNEXURE - I


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Sl.No.	Description	Bidder's confirmation/ comments	Deviations
5.7	Bidder shall take work permit before commencement of all types of non-routine works as per the statutory procedures followed at the work place.		
5.8	Bidder shall explain the job, associated hazards and precautions to his workmen.		
5.9	Bidder shall ensure one person who should have the skill, knowledge and experience of performing the allotted task and shall be able to guide his team.		
5.10	Bidder shall ensure safe procedure is followed during execution of the job.		
5.11	Bidder shall ensure that his workmen wear appropriate safety personal protective Equipment.		
5.12	Bidder shall ensure adequate supervision of the activity by his supervisor.		
5.13	Bidder shall adhere to necessary legal/safety requirements and BHEL shall be kept informed against any untoward events taking place during the course of work.		
5.14	No child labour should be employed for executing the project.		
5.15	In case project is not completed as per BHEL scope due to reasons arising out of materials from BHEL end/bidder's end, contractor has to complete the job at later stage without any extra charges. No over run charges shall be paid in case of extension of project schedules.		
5.16	Any miscellaneous materials that have not been mentioned specifically in the specification/tender which are required for installation of the system shall be deemed to be included in the specification and shall be supplied by the bidder without any extra charges. Any scope of activities which are not specifically mentioned in this specification but required for the completion of the installation shall be provided at no extra cost by the bidder, unless explicitly excluded in the specification. Any charges for the civil works/construction materials used for the construction work at site will be in the scope of bidder.		
5.17	Scaffolding: bidder have to employ scaffolding, belts/safety accessories for safety of personnel working on high rise building during erection, routing of earthing strips and other works on / from roof top of the terrace to ground.		
5.18	The erection & installation of LA should be carried out thro' a valid Electrical licence Contractor issued by TNEB/ Competent authority.		
5.19	Before quoting the bidder shall visit the site at Ashok Nagar, Chennai to have a better understanding about the requirements of BHEL.		
5.20	Location of Each Lightning Arresters: --- 1 Set at the 4 th Floor Terrace of Residential Complex above the neon sign board located over the OH water tank; --- 2 Sets - one each at the extreme diagonal corners of the 4th Floor Terrace parapet wall and --- 1 Set above the overhead tank at the 3 rd Floor Terrace of Transit Flat.		
5.21	Location of Each Earth Pits: Four nos. of Earth Pits : 3 nos. @ garden located in the south-west corner of the building and 1 no. @ north-east corner of the building		
5.22	Statutory obligation: bidder is required to meet all the statutory obligations/legal requirement with regard to workmen employed by bidder for the project such as ESI, PF, Minimum wage act, Work man compensation act/Accident/medical insurance, Income Tax act, Employees Insurance act etc.		
5.23	The installation should strictly conform to this specification. All the works shall be executed strictly as per the direction of BHEL Engineer at site.		

COMMERCIAL CHECKLIST-To be submitted alongwith Technical Bid
(Annexure – II)


Enquiry No. 4501600013 dt. 08.02.2016

SI No.	Terms & Conditions	Vendor acceptance
1	Payment Terms: 100% payment after supply and installation, duly certified by BHEL User Dept.	
2	Unpriced Bid – To be submitted along with technical bid	
3	LD clause:- 0.5% for each week of delay up to maximum of 10%	
4	Bid Validity – 90 Days from date of Technical Bid Opening	
5	Delivery: 2 weeks from the date of PO	
6	Loading Criteria as per BHEL Enquiry	
7	Acceptance to “Important Information to Bidders”	

We agree to all Terms and Conditions of the Enquiry.

(BIDDER SEAL AND SIGNATURE)

COMPANY NAME –
CONTACT PERSON –
E-MAIL ID –
CONTACT NUMBER -


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BHARAT HEAVY ELECTRICALS LIMITED
PIPING CENTRE, T.NAGAR, CHENNAI - 17
SUPPLY & FIXING OF STANDARD TYPE / FRANKLIN

ROD
LIGHTNING ARRESTER SYSTEM

UNPRICED BID - To be submitted in Technical Bid by indicating
Taxes alone.

Our Consolidated Rate for Supply & Fixing of FOUR SETS of Standard Type / Franklin Rod Lightning Arrester System (LAS) at BHEL - Transit Flat (1Set) and BHEL - Residential Complex (3 Sets) is given below:-

	AMOUNT (in Rs.)
(a) Rate for Supply & Fixing of 4 SETS of Lightning Arrester System (LAS) (as per Technical Specification) :	QUOTED
(b) VAT @ _____ % :	_____

Total Cost (in Figures) :	QUOTED

TOTAL COST FOR 4 SETS OF LAS (in Words) : Rupees - QUOTED


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Chennai - 600 017.

SIGNATURE & SEAL OF AUTHORISED PERSON

NAME:



Bharat Heavy Electricals Limited

Piping Centre, Chennai - 600017

**SUPPLY & FIXING OF STANDARD TYPE / FRANKLIN ROD
LIGHTNING ARRESTER SYSTEM**

PRICE BID

Our Consolidated Rate for Supply & Fixing of FOUR SETS of Standard Type / Franklin Rod Lightning Arrester System (LAS) at BHEL - Transit Flat (1 Set) and BHEL - Residential Complex (3 Sets) is given below: -

		AMOUNT (in Rs.)
(a)	Rate for Supply & Fixing of 4 SETS of Lightning Arrester System (LAS) (as per Technical Specification) :	_____
(b)	VAT @ _____% :	_____
		=====
	TOTAL COST (in Figures) :	_____
		=====

TOTAL COST FOR 4 SETS OF LAS (in Words): Rupees _____

_____ only).

SIGNATURE & SEAL OF AUTHORISED PERSON

NAME:

Abhishek Iyer

ABHISHEK KRISHNA IYER
Engineer - Purchase
BHEL - Piping Centre
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