



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

<b>ENQUIRY</b>	Phone: +91 431 257 76 53 Fax : +91 431 252 00 31 Email : <a href="mailto:skaruna@bheltry.co.in">skaruna@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
<b>NOTICE INVITING TENDER</b>	

<b>TWO PART BID</b>	<b>Enquiry Number:</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
Tender to be submitted in two Parts	<b>2621400039</b>	<b>11.09.2014</b>	<b>13.10.2014</b>

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

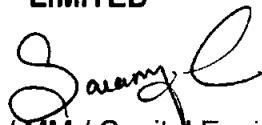
Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

Item	Description	Quantity
10	<b>250W Building Lights Luminaire and Lamp</b> as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	<b>25 Nos.</b>

### Important points to be taken care during submission of offer

1. The Checklist for Acceptance of Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any); for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

**BHEL's General guidelines / instructions (refer MM/CE/GENL/001) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under above Enquiry reference**

Tenders should reach us before 14:00 hours on the due date. Tenders will be opened at 14:30 hours on the due date. Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, For <b>BHARAT HEAVY ELECTRICALS LIMITED</b>  Sr. Engineer / MM / Capital Equipment
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<b>Specification for 250W Industrial Highbay Luminaire and Induction lamp</b>			
<b>Sl.No.</b>	<b>Description for BHEL Requirement</b>	<b>Specified / To be confirmed by Bidder</b>	<b>Bidder Comments</b>
	Supply of High Performance, Integral, Industrial, High Bay, closed version Luminaire with control gear box, reflector and induction lamp as specified below:		
1.0	Luminaire Suitability	Integrated luminary and ballast suitable for high bay	
1.1	Housing	Made out of die cast aluminium and powder coated in black/ grey and to ensure IP65 ingress protection. Eyebolt with anti-vibration rubber bushing provided on housing for suspension. All Fasteners shall have locking provision to avoid getting loosen due to vibration.	
1.2	Reflector construction	Parabolic, anodized and electrochemically brightened and made of aluminium. To be provided with heat-resistant and toughened glass with gasket to ensure IP54 ingress protection.	
1.3	Reflector suitability	Reflector suitable for high bay wide angle application.	
1.4	Input Power supply	240V, 1 phase, 50 Hz. A.C	
1.5	Control Gear	Electronic Control gear with power factor improvement, mains connector etc., all prewired upto terminal block and mounted on a gear tray/ base for ease of maintenance.	
1.6	HF generator output frequency	less than 275 kHz. Bidder to confirm. HF generator frequency shall not interfere with Electrical lines, Electronic drives, CNC/PLC machines, Pacemakers, Telecom networks, IT networks etc.,	
1.7	Maximum operating temperature	150 deg C	
1.8	Safety chain	Safety chain from luminary to the roof hook and other essential items required for installation. All screws, bolts and nuts shall be locked with appropriate spring washers / locking pins.	
1.9	Access for Maintenance	Access to gear compartment shall be provided to facilitate easy maintenance, replacement and connection	
1.10	Dimensional details and net weight	bidder to specify	
1.11	Nominal Power factor, THD, mains current	P.F> 0.95; THD <5%; Mains current -Bidder to specify.	
1.12	Technical catalogue/ drawing	bidder to furnish with the offer	

Sl.No.	Description for BHEL Requirement	Specified / To be confirmed by Bidder	Bidder Comments
2.0	Specification for lamp	Circular shaped, externally coupled Induction lamp suitable for 240V, 50Hz, 1 phase supply. The assembly shall be of a low pressure mercury discharge vessel and an inductive power coupler.	
2.1	Reference Standards	IEC 62532:2011 for safety specifications and IEC 62639:2012 for performance specification.	
2.2	Specific effective radiant UV power of the lamp	Specific effective radiant UV power of the lamp should not exceed 2milli watt /kilo lumen (mW/klm)	
2.3	Insulating Materials	Insulating materials of lamps shall be resistant to abnormal heat and to fire	
3.0	Make of the luminaire and lamp	Philips, GE, Crompton Greaves, Bajaj, Osram or reputed makes acceptable to BHEL based on test reports and certificates	
3.1	Type no. /Make offered	bidder to specify	
3.2	Product Certification	Product certification by CPRI / ETDC / NABL approved labs for power, power factor, operating voltage and THD should be submitted.	
3.3	Warranty	Replacement Warranty for trouble free operation of the lamp & all sub assemblies for a period of <b>TWO</b> years after successful installation. Bidder to confirm.	
4.0	<b>Scope of supply</b>	<b>Quantity</b>	
4.1	250W High Bay enclosed luminaire as specified above	25 nos	
4.2	250W induction lamp as specified above	25 nos	
5.0	<b>Reference List/ Qualifying Conditions:</b>		
5.1	Only those Bidders who have supplied similar or higher capacity/ size equipment that is working satisfactorily for at least two year after commissioning should quote.	Bidder to confirm. Attach relevant copies	