

**BHARAT HEAVY ELECTRICALS LTD.
CENTRAL FOUNDRY FORGE PLANT
RANIPUR, HARDWAR
MAINTENANCE & SERVICES DEPARTMENT
MAINTENANCE-FORGE SHOP**

FF:15: MFG: RM: EE: 6

Dt. 22/06/2015

TENDER NOTICE – OPEN TENDER

Two part Tenders in Sealed Envelopes are invited from technically and financially capable parties, having experience in work similar to- and interested in- the under mentioned works. The tender documents are available at website www.bhel.com/www.bhelhwr.co.in in Tender Notification Section which can be downloaded. The tender should be submitted to the tender box placed in the office of the undersigned on or before **21/07/2015** at **2:30PM**, which will be opened on the same day in the office of under-signed at **3:00 PM** in presence of the bidders who wish to be present.

Bidders are advised to inspect the site before quoting their rates. Bidders are also advised to go through the Special Instructions attached to this notice. (ATTACHMENT-A)

BHEL reserves the right to reject any or all of the tenders without assigning any reason thereto.

Tender No. & Date	Description of Work	Earnest Money	Total Time of completion	Tender Cost
FF:15: MFG: RM: EE: 6 ; Dated:22/06/2015	SUPPLY, ERECTION /INSTALLATION AND COMMISSIONING OF LED HIGH BAY LIGHT FITTINGS IN MEDIUM FORGE SHOP	Rs.20,000/-	90 days	Nil



(Anil Kumar Maurya)
Sr. Engineer/M&S
CFFP, BHEL
Ranipur, Haridwar-
249403
(Uttarakhand)

Contact No. 01334-284165

E-mail ID: akmaurya@bhelhwr.co.in

Copy To. :DGM (works) : for deputing finance representative for tender opening.



Signature of Issuing Officer

Signature of Bidder/Tenderer

ATTACHMENT-A**SPECIAL INSTRUCTIONS**

1. Kindly read this set of Special Instructions carefully before filling up the tender form.
2. **Pre-Qualification Requirements placed at Annexure C must be fulfilled by the vendor to participate in the tender and submitted along with Techno-Commercial Bid.**
3. Kindly read carefully Annexure-A, B, C, D & E which form the “General specification of LED high bay light fitting”, “Special terms and conditions”, “Pre-Qualification Requirements”, “General terms and conditions” & “Enclosures”.
4. The bidders are to submit the tender form along with all Annexures as well as this set of Special Instructions (Attachment-A); all pages duly signed.
5. The tender is to be submitted in two parts, viz.: i) Techno Commercial Bid and ii) Price Bid. Documents related with Pre-Qualification Requirements i.e. Annexure-C must be submitted along with Techno-Commercial Bid.
6. Both the Techno Commercial Bid and Price Bid are to be sealed separately in separate envelopes super-scribed with **“Techno Commercial Bid for Tender no. : “FF:15: MFG: RM: EE: 6”** and **“Price Bid for Tender no. : “FF:15: MFG: RM: EE: 6 ”** respectively and then placed in a common envelope super-scribed with **“Tender for Tender No.: “FF:15: MFG: RM: EE: 6”**. The Techno Commercial Bid must also contain an un-priced copy of Price Bid.
7. Vendors have to submit clause wise confirmation of Annexure A, B, C, D & E.
8. Only the Techno Commercial bid will be opened on the day of tender opening. The Priced Bid will be opened only if Techno Commercial Bid(s) are found Technically Suitable & Acceptable. Date of opening of Price Bid will be intimated to all technically suitable and acceptable bidders at a suitable time.
9. Once Price Bids are opened and accepted by BHEL, the same cannot be withdrawn by the bidder for whatsoever reasons. In case a bidder withdraws his/her/their tender, suitable action may be taken by BHEL as deemed fit. This may include black listing of bidder or legal action.
10. If there is a difference found in the figures & words of the offered price. The price given in the words will be considered.

**(Issuing Officer)**

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Signature of Bidder/Tenderer

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CENTRAL FOUNDRY FORGE PLANT
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TENDER FORM FOR “SUPPLY, ERECTION/INSTALLATION AND COMMISSIONING OF LED HIGH BAY LIGHT FITTINGS IN MEDIUM FORGE SHOP”

(PRICE BID)

PRICED/UNPRICED

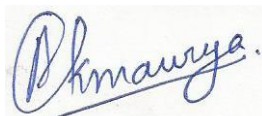
(PRICED PRICE BID TO BE SEALED IN SEPARATE ENVELOP)

Name & Address of Bidder	:	
Tender Notice No.	:	FF:15: MFG: RM: EE: 6 ; Dated:22/06/2015
Last Date & Time for receipt of Tender	:	14:30 hrs on 21/07/2015
Date & Time for opening of Tenders	:	15:00 hrs on 21/07/2015
Place for opening of Tenders	:	Office of Sr.Engr. (M&S)
Nature of Contract	:	SUPPLY,ERECTION/INSTALLATION AND
Period of Contract	:	COMMISSIONING OF LED HIGH BAY LIGHT FITTINGS IN MEDIUM FORGE SHOP (60 Days for Supplies , 30days for Works)

Description of Work

SUPPLY,ERECTION/INSTALLATION AND COMMISSIONING OF LED HIGH BAY LIGHT FITTINGS IN MEDIUM FORGE SHOP		Cost excluding Duties & Taxes (To be quoted by the Contractor) At BHEL Site			
		Rate per unit(Rs.)		Total price for 30 Nos. LED HIGH BAY LIGHT FITTINGS	
		Figure	Words	Figure	Words
1	Supply of Material as per Annexure-A				
2	Erection/Installation and Commissioning.				
	Total				
3	Duration for Supplies	60Days			
4	Duration for works	30Days			
5	Quantity	30Nos			

Enclosures:



Signature of Issuing Officer

Signature of Bidder/Tenderer

1. Annexure-A: General specification of led high bay light fitting.
2. Annexure-B : Special terms and conditions
3. Annexure-C : Pre-Qualification Requirements
4. Annexure-D: General terms and conditions
5. Annexure-E : Enclosures



Signature of Issuing Officer

Signature of Bidder/Tenderer

Declaration by Bidder

I/We hereby confirm that I/we have carefully read and understood “General specification of LED high bay light fitting”, “Special terms and conditions”, “Pre-Qualification Requirements”, “General terms and conditions” & “Enclosures”. Placed at Attachment-A to the Tender Notice and Annexure-A, B, C, D &E respectively and have complied/will comply with the same.

Signature of Bidder/Tenderer



(Accounts Officer)

(Opening Officer)

(Issuing Officer)



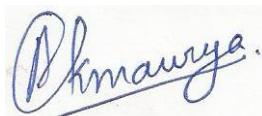
Signature of Issuing Officer

Signature of Bidder/Tenderer

GENERAL SPECIFICATION
OF LED HIGH BAY LIGHT FITTING

ANNEXURE-A

S.NO.	SPECIFICATION	VALUE	Supplier Comments
1.	LED Light Power rating	130W to 150W	
2.	Make of LED high bay light	<i>To be Quoted by Vendor</i>	
3.	Model of LED high bay light	<i>To be Quoted by Vendor</i>	
4.	Input voltage/Rated voltage	220V AC,50Hz,single phase	
5.	Power Factor	0.9 or more	
6.	Total system Lumen Output	13000 or more	
7.	Correlated color temperature CCT	5000K -6500K	
8.	Color Rendering Index CRI	70 or More	
9.	Total harmonic distortion (THD)	20% or Less	
10.	Protection	IP65 or greater	
11.	Casing	Complete body of Pressure Die cast aluminium, with heat resistant toughened glass and efficient heat sinking material.	
12.	Mounting	Roof mounting with Single point mounting arrangement with eye bolt or J-Hook. All items required for Mounting to be supplied by the party.	



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13.	Optics	Narrow beam suitable optics, less than 70 degree	
14.	System Efficacy	100Lumen/watt or more	
15.	Protection	Short Circuit, Over voltage, Under voltage	
16	LED Make	OSRAM,PHILIPS LUMILEDS, CREE,NICHIA,LG	
17	LED Driver	Constant current output integrated driver built into fitting/fixture and should be field replaceable.	
18	Operating voltage range	150V to 270V , 50Hz,Single Phase AC	
19	Working Temperature	0 TO 50 deg. C	
20	Luminaire Life (LM70)	50,000 Hours	
21	Luminaire Test certificate	LM 79 Test report for Luminaire from NABL Accredited approved laboratory.	
22.	LED Module Test Certificate	LM 80 Test Report from LED Chip Manufacturer / NABL Accredited approved Laboratory.	
23	Driver Test Certificate	IECEE-CB CERTIFICATE REQUIRED/ (IEC 61347-2-13 Published 2006 IEC 62384 Published 2006)	
24	Documents	Product catalogue and Specifications of supplied Luminaire & Driver	

Signature of Issuing Officer

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SPECIAL TERM AND CONDITIONS

ANNEXURE: B

1. The scope of work includes supply of LED High Bay light, installation & commissioning. Installation & commissioning includes mounting of lights on roof hooks/fixture and making electrical connections to make the light functional. Wiring is not in scope of vendor.
2. Minimum power rating of acceptable LED Light fitting will be 130W and maximum will be 150W (LED + Driver)
3. Minimum acceptable LUX at floor level is 6 LUX.
4. The standard guarantee for complete fitting will be 36 months from the date of commissioning.
5. The depreciation of light (LUX at floor level) should not be more than 10% per annum. If the depreciation of light (LUX at floor level) is more than 10% per annum with respect to light (LUX at floor level) on date of commissioning, then it will be treated as defective and will be liable to replacement under guarantee.
6. The lux level of each light will be measured in night at floor level in isolation (only light under test will be on, others will be off) below the mounted light under testing.
7. One sample of each quoted vendor will be mounted (at 26m high roof approx.) and tested for desired LUX level. The lights will be technically accepted subject to proving of required LUX at floor level.
8. The vendors who qualify after PQR and technical (document verification) will be informed to deliver their LED high bay Light sample (one number) for testing. The vendor will have to deliver his sample at BHEL, CFFP through a returnable gate pass within 15 days of information. The sample lights will be returned within a period of one week.
9. The cost/mode for delivery and collecting the light will have to be arranged and bear by the vendor. BHEL will not be responsible for cost/damage/defect to the led light inside the plant or during transit.
10. Any delay in delivery/non delivery of sample for testing within the prescribed duration will be sufficient ground for technical rejection of bid.
11. The vendors have to submit Performance Bank Guarantee of 10% of work order value for 36 months from the date of commissioning.
12. The defective lights have to be replaced/repaired/made functional within the period of 07 (seven) days of reporting. No response/delayed response than stipulated period in attending the problem for even one light will be sufficient ground for revoking the complete bank guarantee.



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13. During the period of guarantee it will be the responsibility of the vendor to dismantle/repair/replace/mount the light fitting from its present mounting location.
14. Installation of light fittings will be done by the vendor. Vendor should quote material cost and installation cost per unit separately.
15. Vendors must have service centre in INDIA.
16. Original product catalogue to be submitted along with offer.
17. The tender will be two parts, technical and commercial separate.
18. Bidder will provide all routine/type test reports as per applicable standards through third party NABL accredited lab in support of technical specification.
19. 70% payment of material cost along with taxes and duties against delivery and acceptance of material within 30 days of delivery. 30% material cost and installation/erection and commissioning charges after successful commissioning.
20. Delivery of material should be within 60 days from the date of work order. Early delivery is also acceptable. A Penalty of 0.5% of work order value per week will be levied in case of late delivery subject to maximum of 10% of work order value.
21. The manufacturer should be able to provide after sales service for at least 7 years from date of delivery.
22. The lowest bidder will be decided as per the formula mentioned below.

Rated power rating in watt (As per LM 79) : R

Quoted price of Each Unit of light fitting (Including Installation & Commissioning
, excluding taxes) : P

Total System lumen output (As per LM 79): L

Formula Value: $(R \cdot P) / L$

Lowest formula value corresponds to lowest bidder.



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PQR (Pre- Qualification Requirement)

Annexure- C

1. Bidder must be a Manufacturer of Industrial LED Light Product or their authorized representative.

Note: Necessary Document in support of above shall be submitted by vendor.

Or

Is a registered vendor /executed order for supply, erection/installation and commissioning of Industrial Purpose Integral LED High Bay Lights in shops, in any unit of BHEL.

Note: Copy of work order to be submitted

Or

The vendor has executed order for supply, erection/installation and commissioning of Industrial Purpose Integral LED High Bay Lights in at least one central government /State government/ Public Sector undertaking/Corporation/semi government organization.

Bidder should submit the copies of purchase orders/ Completion certificate of work duly signed by customers with details of address, contract person, and telephone No. & e-mail address.

2. Average annual financial turnover during the last 3 years ending 31st March of the previous financial year, should be at least Rs.2.616 Lakh.

Note. ITR , Profit & Loss , and Balance sheet to be submitted

3. Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:-

a) Three similar completed works costing not less than the amount equal to Rs.3.488 Lakhs.

Or

b) Two similar completed works costing not less than the amount equal to Rs.4.36Lakhs.

Or

c) One similar completed work costing not less than the amount equal to Rs.6.976Lakhs.

Similar work Means `` have successfully completed purchase orders / work orders for supply, erection/installation and commissioning of Industrial Purpose Integral LED High Bay Lights of 130W or above”

Note: Bidder should submit the copies of purchase orders/ Completion certificate of work duly signed by customers with details of address, contract person, and telephone No. & e-mail address.

4. Manufacturer / Bidder should be equipped with after sales service support facilities in India, Details of which along with documentary evidence should be submitted along with offer.

Note: BHEL reserves the right to verify information submitted by bidder. In case the information is found to be false/ incorrect, the offer shall be rejected.



Signature of Issuing Officer

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Annexure-D**General Terms and conditions**

This section details General Terms & Conditions under which the contract is to be executed. These Terms & Conditions are in addition to the General, Safety and Other Terms & Conditions of BHEL, applicable to the Works Contracts, as per BHEL Works Policy. The General Terms and Conditions applicable are as below:

S.No.	Conditions
1	For acceptance of the tender submitted by BHEL
1.1	It is necessary for all the bidders to submit their bids in two parts viz. i. Techno-Commercial bid and, ii. Price Bid.
1.2	The High Bay LED light should be in accordance to General Specification (Annexure- A).Any deviation from the specified technical details may result into rejection of the tender without any further communication
1.3	The technical bid without LM79, LM80 and IECEE-CB Certificates/reports will be rejected.
1.4	All the bidders have to specify the delivery and works schedule of material part of the contract in the technical bid. No deviation is acceptable. Any deviation will be sufficient ground for rejection without further communication
2	The material will be inspected at Forge Shop, CFFP, BHEL, Haridwar.
2.1	Any deviation in sample material and Actual supply will not be accepted and delivery will be rejected.
3	Earnest money deposit (EMD):
3.1	Vendors have to submit EMD as mentioned in tender notice. EMD may be deposited in cash (as permissible under Income tax Act), through pay order or demand draft in favor of Account officer, CFFP, BHEL, Hardwar payable at Haridwar or may be credited through e-transfer in to SBI BANK A/C NO – 10667995469, IFSC: SBIN0000586, A/C Name CFFP/BHEL, RANIPUR, HARIDWAR with proper remarks containing purpose & name of depositor.
3.2	EMD shall be converted to security deposit if the work is awarded.
3.3	EMD of unsuccessful venders shall be refunded back normally within fifteen days of acceptance of award of work by the successful vender
3.4	EMD shall not carry any interest
3.5	EMD by vender will be forfeited as per tender document, if



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3.5.1	After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates
3.5.2	The tenderer does not commence the work within the period as per LOI/contract
3.6	Offers without EMD will be rejected and will not be considered for evaluation. However valid NSIC certificate may be considered subject to receipt of notarized copy / copy attested by gazetted officer & verification.
4.0	At the award of contract:
4.1	The successful bidder will have to submit a security deposit as per BHEL Works Policy, within 15 days of award of work. The rates are as here under: <ul style="list-style-type: none"> i. Up to Rs. 10Lakhs : 10% ii. Above Rs. 10Lakhs up to Rs. 50Lakhs : Rs. 1Lakh+7.5% of amount above Rs. 10Lakh. iii. Above Rs. 50Lakhs : Rs. 4Lakhs+5% of amount exceeding Rs. 50Lakhs.
4.2	Security Deposit is to be made in the form of Demand Draft/pay order drawn in favour of CFFP, BHEL, Haridwar, payable at Haridwar. This can also be submitted through Electronic Transfer (ECS)/ Bank Guarantee/ Fixed Deposit Receipt (FDR). The Bank Guarantee format should have the approval of BHEL. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back
4.3	EMD of the successful tenderer can be converted and adjusted against the security deposit
4.4	If vendor fails to submit the Security Deposit with in specified time frame the Work Order may be treated as cancelled.
4.5	The security deposit shall not carry any interest.
5.0	For the purpose of execution of work at BHEL: All the bidders have to ensure that all their workmen, proposed to be engaged for the work within BHEL Premises are covered under PF & ESI for the duration for which work is to be carried out or the Vendor must have to submit a notarized affidavit to the effect that by virtue of no of employees being less (less than 20 for PF & less than 10 for ESI) exemption from PF and/or ESI is applicable. In such a case, the vendor will not be allowed to deploy employees, in number, more than the numbers as applicable at any point of time during the execution of the work in BHEL Premises and Vendor will also ascertain the same in the same affidavit. While execution of the work all the labor laws will be followed by the vendor.
6.0	Payment Terms: <ul style="list-style-type: none"> a. All the payments shall be made through e-payment after submission of following

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	<p>documents along with first bill.</p> <ol style="list-style-type: none"> i. E-payment form duly filled (Form will be provided by BHEL) ii. Income tax exemption letter(if applicable) iii. Excise duty & CST/VAT will be paid on material cost and service tax will be paid on commissioning charges at actual. Related original documents to be submitted for availing MODVAT credit by BHEL. iv. Timely submission of CENVATABLE invoices along with necessary documents to enable availment of CENVAT (Excise duty, Service Tax & VAT) credit by BHEL. <p>Note: Wherever CENVAT credit cannot be availed within given time limit due to delay in submission of invoices or for any other reasons attributed to vendor, loss of such CENVAT credit will be recovered from such vendor.</p> <ol style="list-style-type: none"> b. Invoices will be raised separately for material & commissioning. c. Form “C” will be issued against CST after acceptance of Material at BHEL. d. No advance payment will be made by BHEL. e. Proof for Service Tax deposit is must to submit for the payment of commissioning charges.
7.0	Tenderer has to sign on the agreement before taking the Work order.
8.0	It is notified to all tenderers that they shall not be submitting any fake documents along with the tender form. All the collected documents can be examined at any point of time and if documents are found fake /forged, then appropriate action will be taken to the extent of cancellation of registration and tender.
9.0	In case the contractor defaults in commencing the work within the time specified by BHEL in spite of a reasonable notice in writing or incase the contractor fails, to comply with any of the terms and conditions of the contract, in spite of 10 days’ notice in writing or incase he neglects or refuses to execute the contract or any part thereof at any stage, the contract shall, without prejudice to any other rights or remedies available to BHEL be liable to cancelled/termination in part or as a whole. In the event of cancellation/termination. The contractor shall be liable to compensate BHEL for all loss incurred by BHEL including the loss suffered on account of having the work executed through any other contractor or department as may be convenient to BHEL in accordance with the exigencies of the work.
10.0	In the event of cancellation/termination, the contractor shall be liable to compensate BHEL for all losses incurred by BHEL including the loss suffered on account of having the work executed through any other contractor or department as may be convenient to

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BHEL in accordance with the exigencies of the work. In case only a part of the contract is cancelled, the remaining portion of contract may be allowed to be executed by the contractor. All disputes arising in connection with the contract shall be settled by mutual consultation if no agreement is reached the dispute shall be settled in accordance with the provisions of the Arbitration and conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of the BHEL CFFP Unit. The award of the arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be Haridwar (U.K.) in India. The questions, disputes, differences arising under, out of or in connection with this contract shall be to the exclusive jurisdiction of Haridwar Courts



Signature of Issuing Officer

Signature of Bidder/Tenderer

Annexure-E

DOCUMENTS LIST

S.No.	Required Data	To be filled by vendor	Remarks of Bidder for supporting documents (Enclosed/Not Enclosed)
1	PF Registration No		
2	Service Tax Registration No		
3	PAN No.		
4	ESI Registration No		
5	Documents as per clause 1 of PQR		
6	Documents as per clause 2 of PQR		
7	Documents as per clause 3 of PQR		
8	Documents as per clause 4 of PQR		
9	Earnest Money (DD No.)		
10	LM 79 TEST REPORT		
11	LM 80 TEST REPORT		
12	IECEE-CB CERTIFICATE		
13	PRODUCT CATALOGUE		

Signature of Issuing Officer

Signature of Bidder/Tenderer