



Bid Number: GEM/2022/B/1945738

Dated: 16-02-2022

Bid Document

Bid Details	
Bid End Date/Time	28-02-2022 14:00:00
Bid Opening Date/Time	28-02-2022 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10020009-cffp Haridwar
Total Quantity	1150
Item Category	Led Luminaire (For Road And Street Lights)-IS:10322, IS: 16107, IS:16108,IS: 16103,IS:10322 (Q3) , Light Emitting Diode LED Fixture- LED tube light (Q3) , Led Luminaire (For Flood Light)-IS:10322, IS:16107 (Q3)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Primary product category	Led Luminaire (For Road And Street Lights)-IS:10322, IS: 16107, IS:16108,IS: 16103,IS:10322
Time allowed for Technical Clarifications during technical evaluation	2 Days
Evaluation Method	Item wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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(a). The EMD % will be applicable for each schedule/group selected during Bid creation.

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available.

Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

Evaluation Schedules	Estimated Value	Item/Category	Quantity
Schedule 1	394800	Led Luminaire (for Road And Street Lights)-is:10322, Is: 16107, Is:16108,is: 16103,is:10322	300
Schedule 2	99000	Light Emitting Diode Led Fixture- Led Tube Light	600
Schedule 3	416500	Led Luminaire (for Flood Light)-is:10322, Is:16107	250

Led Luminaire (For Road And Street Lights)-IS:10322, IS: 16107, IS:16108,IS: 16103,IS:10322 (300 pieces)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
STANDARDS	LED Rating (in Watts)/System Wattage/Rated Power	36W
	Luminaire System Efficacy (Lumen/watt)	>/= 100 Lm/Watt
	Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest	IP66, IP67, IP65
	Warranty for free replacement (in years)	2
ELECTRICAL EFFICIENCY	Input operating Voltage range and frequency	90 to 300 Volts AC at 50 Hz+/-2, 140 to 270 V olts AC at 50 Hz+/-2 with auto cutt off at below 120V, 140 V to 270 V AC at 50 Hz +/- 2 Hz with low voltage withstand at 100 V AC for 48 Hours
OPTICAL	LED chip Efficacy	≥130 Lm/Watt
	Colour temperature	6000+/-500K, 6500K
THERMAL MANAGEMENT	Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	Operating temperature range	-20 deg. C to +50 deg. C, -10 deg C to +50 deg C, -10 deg C to +55 deg C
PROTECTION	Short circuit Protection	Yes
	Over load protecton	Yes
	Over Voltage protection	Yes
	Reverse polarity	Yes
	The luminaire shall be protected against surges and transients (Internal)	>/=5KV, >/=4KV, >/= 8Kv, 4KV
CONSTRUCTIONAL	Protection of the entire housing (both LED section and driver section) as per IS:10322 (Part 1):1982 latest	IP66
	Number of electronic control gear (power supplies)	2 Nos., 3 Nos., 4 Nos.
	Light Source	SMD LED Chip as per LM 80/IS16106
	Length of ISI marked three core wire (shall be provided along with supply of material)	50 cm, 100 cm, 40 cm
MARKING	"Manufactures Name and and brand on the aluminium die cast body "	Engraved/Embossed
Reports And Certifications	LED Make	OSRAM / NICHIA / CREE / SAMSUNG / SEOUL / LUMILEDS / PHILIPS / SYSKA / LUMENMAX / EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / REFOND, Other than OSRAM / NICHIA / CREE / SAMSUNG / SEOUL / LUMILEDS / PHILIPS / SYSKA / LUMENMAX / EVERLIGHT / EDISON / BRIDGELUX / NATIONSTAR / REFOND
	LM 79 (Photometry) (Ref.IS:16106:2012) report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-79 report shall have total lumen output, power, PF, Current in Amps, CRI & CCT etc.,	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	LM 80 & TM 21 (Ref. IS:16105:2012) Report and Photo biological report for LED report from Central Government Lab /NABL/ILAC accredited lab. Reports shall be furnish to the buyer / consignee on demand (LM-80 report shall have the Pohoto Biological re	Yes
	Availability of test Report from Central Government Lab /NABL/ILAC accredited lab to Indian Standrad IS:10322/part 5/sec-3/2012 and IS 16107 (Part 2/Sec 1) : 2012	Yes
	Seller shall furnish the Type test reports to the buyer / consignee on demand	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pramod Kumar Mishra	249403,Central Foundry Forge Plant, BHEL, Ranipur, Haridwar	300	45

Light Emitting Diode LED Fixture- LED Tube Light (600 pieces)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
GENERIC	Led tube light power rating corresponding Min Luminious flux	18 Watt/1800 lumen, 20 Watt/2000 lumen
	Colour Temperature (K)	5700, 6300, 6500
	Warranty for free replacement (Years)	2 years

Specification	Specification Name	Bid Requirement (Allowed Values)
CONSTRUCTIONAL	Lamp Shell material	Polycarbonate
	LED Fixture With Al back, front with polycarbonate/Acrylic diffuser more than 85% efficiency of lig	With , Yes with LED Fixture with Al. back, front with poly carbonate milky diffuser
FUNCTIONAL	Colour Rendering Inde (CRI)	> / = 80, > / = 70
	Total Harmonics (%)	< / = 15%, < / = 20%
CERTIFICATIONS	EMC Test	Yes

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pramod Kumar Mishra	249403,Central Foundry Forge Plant, BHEL, Ranipur, Haridwar	600	45

Led Luminaire (For Flood Light)-IS:10322, IS:16107 (250 pieces)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
STANDARDS	LED Luminaire conformity to IS:10322/Part 5/Section 5/2012 latest and IS: 16107 (Part 2/Sec 1):2012 latest	Yes
	LED Rating/System Wattage/Rated Power	100W, 120W, 110W
	Ingress Protection (IP Rating) as per IS:10322 (Part 1):1982 latest	IP66, IP65, IP67
	Warranty for free replacement (in Years)	2
ELECTRICAL EFFICIENCY	Input operating Voltage range and frequency	90 to 300 V olts AC at 50 Hz+/-2 Hz, 140 to 270 V olts AC at 50 Hz+/-2 Hz with auto cutt off at below 120V

Specification	Specification Name	Bid Requirement (Allowed Values)
	Rated voltage	230 V AC 50 Hz
	Total Harmonics Distortion (in %age)	≤ 10
OPTICAL	Colour temperature (+/- 500K)	6000K, 6500K, 5500K
	Working life for LED (Minimum 50,000 burning hours as per LM-80 report)	Yes
	Colour Rendering Index(CRI)	≥70
THERMAL MANAGEMENT	Heat sink should be die-cast aluminium along with sufficient heat sink fins to dissipate heat effectively	Yes
	Junction temperature	< 85 degC, < 50 deg C
	Operating temperature range	-20 deg C to +50 deg C, -10 deg C to +50 deg C, -10 deg C to +55 deg C
PROTECTION	The luminaire shall be protected against surges and transients (Internal)	>/=5KV, >/=4KV
	The luminaire shall be protected against surges and transients of >/=10KV (External)	Yes, No
CONSTRUCTIONAL	The Luminaires casing/housing (single piece housing) shall be pressure die casted aluminium alloy with higher thermal conductivity	Yes
	Number of electronic control gear (power supplies)	2 Nos., 3 Nos., 4 Nos.
	Length of ISI marked three core wire (shall be provided along with supply of material)	50 cm, 100 cm, 40 cm
REPORTS AND CERTIFICATIONS	LED Make	OSRAM / NICHIA/CREE / SAMSUNG / SEOUL / LUMILED / PHILIPS / EDISON / SYSKA / LUMENMAX / EVERLIGHT / BRIDGELUX / NATIONSTAR / REFOND, Other than OSRAM / NICHIA/CREE / SAMSUNG / SEOUL / LUMILED / PHILIPS / EDISON / SYSKA / LUMENMAX / EVERLIGHT / BRIDGELUX / NATIONSTAR / REFOND

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pramod Kumar Mishra	249403,Central Foundry Forge Plant, BHEL, Ranipur, Haridwar	250	45

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Annexure - 1 View	Annexure - 1	Led Luminaire (For Road And Street Lights)-IS:10322, IS:16107, IS:16108,IS:16103,IS:10322 (300),Light Emitting Diode LED Fixture- LED Tube Light(600),Led Luminaire (For Flood Light)-IS:10322, IS:16107(250)
2	CFFP/CDS/LED/05 View	Specification for Street Lights	Led Luminaire (For Road And Street Lights)-IS:10322, IS:16107, IS:16108,IS:16103,IS:10322 (300)
3	CFFP/CDS/LED/06 View	Specification for Tube Lights	Light Emitting Diode LED Fixture-LED Tube Light(600)
4	CFFP/CDS/LED/04 View	Specification for Flood Lights	Led Luminaire (For Flood Light)-IS:10322, IS:16107(250)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Special terms and conditions-Version:1 effective from 04-05-2020 for category Light Emitting Diode LED Fixture- LED tube light

1. LED Tube Light with Fixture includes its complete fittings

Buyer Added Bid Specific Terms and Conditions**1. Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

2. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

4. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

5. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

6. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

7. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

8. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. Test certificate is required.
2. Guarantee/warranty certificates are required as per specification in tender enquiry.
3. Final inspection will be done at CFFP Stores.
4. Early delivery is acceptable.
5. Payment Terms: 100% payment shall be made within 45 days of receipt of material at CFFP through e-payment, subject to acceptance of material and submission of all documents, complete in all respects.
6. Risk Purchase: In case of delayed/defective supplies or non-fulfilment of any other terms & conditions given in the Purchase Order, BHEL may cancel the Purchase order in full or part thereof and may also make the purchase of such material at the risk & cost of supplier. In case of non-agreement of this term, your offer shall not be considered.
7. Items should meet specifications mentioned in tender inquiry. Bidders have to submit signed and sealed copy of Annexure - 1 and Specifications, duly filled.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and

conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---