

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	09-03-2026 13:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	09-03-2026 13:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	120 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Power
विभाग का नाम/Department Name	Bharatiya Rail Bijlee Company Limited
संगठन का नाम/Organisation Name	Bharatiya Rail Bijlee Company Limited
कार्यालय का नाम/Office Name	Bhartiya Rail Bijlee Company Limited
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	thermal imager (Q2)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate,Compliance of BoQ specification and supporting document *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
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	4
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	4

बिड विवरण/Bid Details

ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	3
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
-------------------	----

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
-------------------	----

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
--	----

एमआईआई के लिए सक्षम प्राधिकारी का विवरण:/Details of the Competent Authority for MII

सक्षम प्राधिकारी का नाम/Name of Competent Authority	AVINASH SHUKLA
सक्षम प्राधिकारी का पदनाम/Designation of Competent Authority	DGM
सक्षम प्राधिकारी का कार्यालय/विभाग/प्रभाग/Office / Department / Division of Competent Authority	EEMG

सीए अनुमोदन संख्या/CA Approval Number	455961
सक्षम प्राधिकारी अनुमोदन तिथि/Competent Authority Approval Date	03-01-2026
सक्षम प्राधिकारी द्वारा प्रदान की गई स्वीकृति का संक्षिप्त विवरण/Brief Description of the Approval Granted by Competent Authority	We have got approval from competent authority for granting exemption for MII Purchase Preference.

Competent Authority Approval for not opting Make In India Preference : [View Document](#)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	100

1. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. 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 MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

2. 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.

Thermal Imager (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

[* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
LENS MEASUREMENTS FEATURES	Horizontal Field of View of Telephoto lens	9-12, 13-15, 15-20, 20-25, NA
	Vertical Field of View of Telephoto lens	7-12, 13-15, 15-21, 20-26, NA
	IFOV of Telephoto Lens (mRad)	0.5, 0.65, 0.7, 0.75, 0.87, 1, NA, <=0.35
PERFORMANCE FEATURES	Detector Resolution (minimum) (pixel)	300000
	Temperature Range of Objects (Degree Celsius)	-20 to + 1200
	Temperature measuring accuracy of reading (or better)	± 2 °C or 2 % (at 25 °C nominal, whichever is greater), ± 2% oC
	Minimum Focus distance	15.0, 10.0 (centimeter)
	Image Detector Type	Uncooled focal plane array (FPA)Vox/ Asi/BST/Silicon
	Thermal sensitivity (NETD)	0.05 - 30 (degree Celsius)
DISPLAY	Display Type	Color LCD Touch Display, 3.5" Colour Touchscreen
	Display size	3.5, 4.3 (inch)
GENERAL FEATURES	Storage medium	Mini SD card, Inbuilt Memory
	File formats	JPEG
	Built-in digital camera/ Visual Camera Resolution (Mpixel)	4, 8
	Interface for image transfer	SD Memory card, WiFi, USB Cable with suitable drivers for downloading to PC
	Focus	Manual, Manual & Auto
OPERATING CONDITION	Minimum Operating Temperature	-10.0 (degree Celsius)
	Maximum Operating Temperature	50.0 (degree Celsius)
	Operating Humidity (RH)	95.0, 90.0 (percent)
POWER REQUIREMENT	chemistry of the battery	lithium ion
	Suitable charger/adapter provided	yes
CERTIFICATION & SAFETY	IP Protection	IP54

Additional Specification Parameters - Thermal Imager (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Technical Specification Parameters-1	As specified in Buyer Added Bid Specific Text based ATC.
Technical Specification Parameters-2	In cases where a specification or function parameter appears both in the GeM Category Technical Specifications and the Specification Parameters as specified in ATC with differing values, the value provided in the GeM Category Specifications (golden/grey parameters) shall prevail.

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Dilraj .	824303,Bhartiya Rail Bijlee Company Limited- A subsidiary of NTPC Ltd. Nabinagar Khaira Thana AURANGABAD	1	90

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions**1. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Thermal Imager Camera Technical Specifications For BRBCL			
Sr. No.	Function	Required Specification	Vendor Remarks
1	Functional Requirement	The instrument shall be handy, easy to use, light weight, thermal imaging system based on principle of infrared radiation detection. It should be capable of measuring the following: a. Color, thermal as well as visual image of focused object b. The absolute value of spot temperature of focused object c. The measurement of ambient temperature d. Display/Define Isotherm	

2	Measurement range	The test results should have repeat ability, consistency & immunity to electromagnetic interference in live Boilers & switchyards up to 400kV levels.	
3	Temperature Range	-20 to +950° C or better	
4	Auto Capture Facility	Available for Temperature and Interval	
5	Detector Type	Uncooled Focal Plane array	
6	Ergonomic Design	Camcorder type body with 240 degrees (or more) Articulating Lens Design. Pistol Grip type Camera is not acceptable.	
7	Detector Resolution	640 x 480 or better	
8	Super Resolution (in Software)	Instrument must be able to capture and combines 4x the data to create a 1280 x 960 image	
9	Image File Supported Formats	bmp, jpeg, is2, is3, AVI	
10	Accuracy	± 2 °C or ±2 % (whichever is greater)	
11	Standard Lens	34 °H x 24 °V or better	
12	Minimum Focus Distance	15 cm or less	
13	Laser distance meter	The instrument must be able to calculate the distance to the target for precisely focused images and displays the corresponding value on the screen	
16	IFOV with standard lens (spatial resolution)	0.93 mRad or less	
17	Image Frequency	9 Hz or more	

18	Noise Equivalent Temp Difference	≤ 0.05 °C at 30 °C	
19	On-screen Emissivity Correction	Yes (both value and table)	
20	Other correction features	Atmospheric transmission correction (based on distance, temperature and humidity) and Reflected temperature correction (preferably automatic based on input) shall be possible	
21	Line temperature graph	Must be available	
22	Colour Palettes	Minimum 7 Standard Palettes and 7 Ultra Contrast Palettes	
23	Center-point temperature measurement	Must be available	
24	Spot temperature	Hot and cold spot markers (3 or more user defined spot markers)	
25	Measurement Boxes	2 or more Expandable-Contractable Measurement boxes with Min-Max-Avg temp display	
26	Spectral Range	7.5 μm to 14 μm or better	
27	Thermal resolution	50mK @ 30 °C or better	
28	Display	Inbuilt Landscape Touchscreen LCD / LED Display of size 5.5" or more (Externally attached displays are not acceptable), 640X480 pixels or better with Full colour IR as well as Visual Images. Display shall be powered from the camera internally.	
29	Built-in Digital Camera (Visible)	5 MP or more	
30	Focus	Manual and Laser Sharp Auto Focus	

31	Optical Unit	Complete optical lens shall be tiltabl e/rotatable/movable for ease of insp ection	
32	Temperature poi nts	Multiple measuring spots shall be a vailable (hottest spot & coldest spot on camera shall be automatically m arked).	
33	Picture-in-pictur e	Feature for displaying IR images ov er visual image shall be available	
34	Zoom	8X Digital or better without distortio n of image	
35	Annotation	Voice and Text annotation shall be possible in instrument	
36	Alarms	High temperature, low temperature, and isotherms (within range)	
37	Video Recording	Standard and Radiometric IR Video Recording	
38	Laser	Pin pointing Laser shall be available for easy identification	
39	Battery	Rechargeable Lithium Ion Battery, with > 2 hours of typical usage time . Charge Level shall be visible on ba ttery	
40	Hand strap & sho ulder strap	Hand strap & shoulder/neck strap m ust be provided for proper handling of IR camera	
41	Storage	Removable SD Card (4 GB or more), Internal Flash Memory (4 GB or mor e), save to USB drive feature	
42	Power Supply	It shall work on single phase 230 Vo lts $\pm 10\%$, 50 Hz $\pm 5\%$ supply with standard socket and Rechargeable Battery.	
43	Operating Temp erature	-10 °C to +50 °C	

44	Relative humidity	10 % to 90 % non-condensing or better	
45	Weight	The total weight of instrument (with battery inserted) must be less than 1.75 Kg for easy portability and ease of carrying out thermal scanning over prolonged periods of time continuously.	
46	Accessories	<p>- Operating Manual, Traceable Calibration Certificate, USB Type C Cable , Micro HDMI Cable SD Card, SD Card Reader, USB drive</p> <p>Power Adaptor, Battery Charger, Rechargeable Battery Lens with lens cover (select any one or multiple lenses) Analysis Software</p> <p>Wrist strap, 2M4*8 screws, Lanyard, Allen wrench soft carry case</p> <p>Hard carry case: PC+ABS, Soft rubber - TPE, Magnesium alloy, Flame retardant grade UL94 HB</p>	
47	<u>LAPTOP</u>	Latest generation HP or Dell Laptop (configuration : 16 GB RAM or better, 250 GB SSD Hard disk or better with power cables/interface along with essential and standard accessories, original licensed version of Win 11/ operating system or higher) to be included with the package.	
48	Other condition	<p>Camera to be supplied with reporting up-to software & Laptop.</p> <p># Free Training for 2 person for use of this camera</p> <p># Carrying wheel suitcase with proper safety for Camera</p> <p># Operating Manual</p> <p># Service / Technical support for at least 5 yrs.</p>	

49	E.-- Type Test	<p>The camera housing must be type tested for IP 54 encapsulation. Camera must be type tested for vibration & shock test as per IEC 68-2-6 & IEC 68-2-29 respectively and the copy of the test certificates must be submitted at the time of supply.</p>		
50	F. Other terms and conditions	<p>Warranty Period: Min. 02 Years from the date of successful demonstration at BRBCL site. If the camera needs to be shifted to supplier's works for repairs within guarantee/warranty period, supplier will have to bear the cost of spares, software, transportation, transit insurance (to & fro) etc of camera for repair at test lab/works. After repair camera needs to be returned within sixty (60) days from the date of dispatch from customer/end user site.</p> <p>Unit shall be duly calibrated before supply and the date of calibration shall not be earlier than two months from the date of supply of Instrument. Calibration certificate from NABL accredited lab or internationally reputed lab to be submitted at the time of supply.</p> <p>Bidder should be either manufacturer or authorised representative of manufacturer. In case of authorised representative, certificate from manufacturer, regarding authorisation to be enclosed.</p> <p>The supplier should carry out complete demonstration of the system along with the accessories, software capabilities, report generation and all features of thermal imaging camera at BRBCL site at the time of supply of the equipment. The camera if failed during demonstration shall be rejected and no repairing shall be allowed. New camera should be supplied.</p> <p>Payment shall be released only after receipt, inspection, demonstration and final acceptance of camera at BRBCL site and after handing over the relevant documents, manuals & certificates.</p>		

Bidder shall submit a declaration from OEM for minimum 05 years of post-warranty after sales service support including repair/calibration in India.

Documents to be submitted along with bid:

Declaration from OEM for minimum 5-year post warranty after sales service support (as per Clause F.6)

Authorisation certificate (as per Clause F.3)

Point wise compliance to the technical specifications.

Catalogue along with make and model of the camera being quoted.

Documents to be submitted at the time of supply along with invoice/delivery challan:

One set of operating maintenance Instruction Manual in English.

One set of complete documentation on software for camera and PC with all the features/operation capabilities must be provided.

Type test certificates (as per clause E.1)

Guarantee/warranty certificate (as per Clause F.1)

Calibration certificate (as per Clause F.2)

Buyer Added Bid Specific ATC

2.

Buyer uploaded ATC document [Click here to view the file.](#)

3. 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.

4. Generic

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

5. 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.

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby 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 specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, 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.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working

Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/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.

---धन्यवाद/Thank You---