

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	28-02-2026 11:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	28-02-2026 11:30:00
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	Gas Analyser (Q3)
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
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ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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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	413188
सक्षम प्राधिकारी अनुमोदन तिथि/Competent Authority Approval Date	03-11-2025
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.

Gas Analyser (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

* जेम कटेगरी 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)
Gases Measurements	Leak Test	Electronic, Manual, No

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Technical Parameter	Technology Used to check the parameters	NDIR, Electrochemical, Battery Based
	Optional Sensors	NOx, SOx, Temperature
	Sample train	Borosilicate Glass Impringer, NA
	Number of Impringer	1, 2, 3, 4, 5, 6
Mandatory Gases Option	Parameters to check - CO,CO2,HC,O2	Yes, No
	Accuracy of CO in %	1
	Accuracy of CO2%	1
	O2 (Oxygen)	0 - 25%
	Resolution of O2 IN %	0.01
	Parameters to check - Nox, Sox	Yes
	Accuracy of NOx in %	1
	Sox	0-5000 PPM
	Accuracy of SOx in %	1
	Resolution of Sox in PPM	1
Features	Optional Test Parameters	Temperature
	Standard Accessories	Sampling probe
	Inbuilt Printer	No, Yes
	Buttons	Soft Touch Keys, Push Buttons, NA
	Display Type	LED, LCD, NA
	Separate window for displaying PEF/RPM/?/AFR/NOx & Oil temperature values	Yes, No
	Confirms to ISO 3930 Standards	Yes, No
	Display Optional Parameters	Lambda, AFR, PEF, NA
	Handheld	Yes
Purchase Guidelines	Warranty in years	2.0 (year)
	Demonstration of equipment and training to be provided to buyer on demand	Yes
	Calibration tests Certificate	Yes

Additional Specification Parameters - Gas Analyser (1 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Terms and Conditions-1	Terms & Conditions: 1) Vendor is Requested to Quote as Per Technical Specifications. 2) Point to point compliance sheet (indicating YES/NO across each & every point of specification) to be submitted as an additional sheet. Deviation of any specification to be mentioned in detail. 3) Offer Must Be Submitted Along with supporting Product Catalogue. Technical specs data should clearly be specified in supporting product catalogue failure of which may lead to rejection of bid.
Terms and Conditions-2	4) Any other Accessories / Necessary equipment / software required to meet all the above specifications shall be quoted along with the instrument. 5) Party to submit Warranty Certificate along with supply. PORTABLE FLUE GAS ANALYSER: FOR ON SITE MEASURING CO ₂ , CO, O ₂ , SO ₂ AND NO ₂ ; NOTE: OTHER DETAILS AS PER "ADDITIONAL TECHNICAL SPECIFICATIONS" ATTACHED IN "BUYER ADDED BID SPECIFIC ATC"

* 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

ADDITIONAL TECHNICAL SPECIFICATIONS:

PORTABLE FLUE GAS ANALYSER: FOR ON SITE MEASURING CO₂,CO,O₂,SO₂ AND NO₂; OTHER DETAILS AS PER TECHNICAL SPECIFICATION.

Technical Specification of Portable Flue Gas Analyzer

General Features:

1. Gases to be measured: O₂, CO, CO₂ (NDIR), NO, NO₂, SO₂ and combustion efficiency, all

gas readings to be displayed simultaneously. Analyser should have feature to display Stack gas flow, velocity & mass flow calculation.

2. Sensors: NDIR sensor for CO₂, and electrochemical sensors for O₂, CO, NO, NO₂, & SO₂ & minimum 6 sensors fitted at a time.

3. Remote handheld with backlight, high Resolution color graphical display, Interactive and user friendly Keypad for programming various Inputs with approximately 12 feet cable connect the display handset to analyser.

4. Instrument must be capable of doing online testing for 1-2 hours according to time of setting.

5. Analyzer should have appropriate built-in Pump for Extraction of Flue Gases. The analyzer should be able to grab sample from minimum (-)200 mbar to (+)50 mbar, along with all essential accessories and consumables for trouble free operation.

6. System should have an integrated moisture removal system to ensure gas is completely dry before entering the analyser, along with all essential accessories and consumables for trouble free operation.

7. Petlier gas preparation including peristaltic pump for automatic condensate evacuation system to be provided.

8. Automatic fresh air rinsing /zeroing system should be available.

9. Analyser should display gas readings in ppm, %, mg/m³.

10. Integrated Built-in high speed printer with & compatible (10 roll) printer paper rolls

11. The instrument should have inbuilt min 4 hrs rechargeable batteries with AC adapter and charger. Provision also must be given to run the instrument through direct electrical supply (220V AC).

12. Analyser shall have a built-in diagnostics for effective fault finding. Analyser shall have a built-in Check of all functions and internal sensors with status indication.

13. The sensors & analyzer should be warranted for at least 24 months.

14. The sensors should work independent of each other i.e. in case any one or more sensor (s) fail / are non working the analyzer should still be able to measure & display values of the working sensors.

15. Storage capacity of more than 200,000 reading and Automatic recording in the instrument without Computer & Laptop, with Password protection to prevent tampering.

16. The system should be rugged and workable in India Environment of temperature range of 0-50 degree C. RH of 0-80% i.e. weather proof.

17. Analyser should also be able to calculate & display Stack gas flow velocity & mass flow calculation. Suitable 2 m long pitot tube to be supplied along with the analyzer.

18. Inbuilt pump with minimum flow of 1 litre/min or higher

19. Instrument should have facility For any one electrochemical sensor, measuring range extension with the following

User selectable Range extension: 20, 40 times must be possible.

20. Range extension of all Sensors & to extend their individual ranges 5 times should be possible.

21. Portable light weight instrument housed in sturdy and weather proof carrying case.

22. Instrument should have provision for sensor replacement sensor must be replaced easily on site like plug in play.

23. Guarantee/warranty: Vendor has to provide guarantee/warranty for 2 years from date of successful demonstration at BRBCL site. Within this guarantee period vendor has to provide repair & maintenance and calibration of the machines without any charge.

24. Inspection and documents to be submitted:

a) Demonstration to be done by vendor at the time of delivery

b) Guarantee certificate, test certificate to be provided by vendor at the time of delivery

c) Calibration certificate of sensor (ISO/NIST traceable) to be provided by vendor at the time of delivery.

d) Operation and maintenance manual. The manual must include part no of all the accessories

es.

e) Emission Evaluation Software should be supplied along with the instrument to download measurement results or for report generation in excel, pdf, Graph & Diagrams and must be compatible with Windows 10 or higher version, along with the data transfer cable.

f) Instrument to be supplied with ISO/NABL calibration certificate.

g) It is mandatory that instruments must be certified by any reputed International agencies such as USEPA/ BIS/ TUV/ EN/ CPCB.(certificate to be submitted).

25. Spares

a. Spare initial preliminary filter material for flue gas probe (Quantity-05)

b. Spare particle filter for flue gas probe.(Quantity 20)

c. Spare thermal paper 10 roles with printing cartilage.

26. Supplier must have calibration and service lab in India, party must provide 2 no. of performance certificate from Power industries & any public sector unit.

27. Instrument should have pre programming for coal, heavy oil, light oil.

Parameters to be measured:

The handheld analyzer should be used for measurements of the following parameters in flue gas of coal fired thermal power plants.

1. Oxygen (O₂)

Sensor :Electrochemical

Range :0- 25 Volume%

Resolution :0.01 Volume%

Accuracy :± 0.8 % of fsv (0 to +25 Vol.%)

Response Time :20 secs (Approx) for 90% response for O₂

2. Carbon Dioxide (CO₂)

Sensor :NDIR

Range :0- 50 Volume%
Resolution :0.01 Volume% (0 to 25 Vol.%)
Accuracy :±0.3 Vol.% + 1 % of mv (0 to 25 Vol.%)
Response Time :20 seconds (approx) for 90 % of the gas.

3. Carbon Monoxide (with Hydrogen Compensation)

Sensor :Electrochemical
Range :0- 10000 ppm
Resolution :1 ppm
Accuracy :± 5 % of measured value (+200 to +2000 ppm)
Response Time :40 seconds (Approx) for 90 % of the gas.

4.NO2

Sensor :Electrochemical
Range :0- 500 PPM
Resolution :0.1 ppm
Accuracy :± 5% of measured value (+100 to +500 ppm)
Response Time :40 seconds (Approx) for 90 % of the gas.

5.NO

Sensor :Electrochemical
Range :0- 4000 PPM
Resolution :1 ppm
Accuracy :± 5% of measured value (+100 to +1999 ppm)
Response Time :40 seconds (Approx) for 90 % of the gas.

6.SO2

Sensor :Electrochemical
Range :0- 5000 PPM

Resolution :1 ppm
Accuracy :5% of measured value, (+100 to +2000 ppm)
Response Time :40 seconds (Approx) for 90 % of the gas.

7.Flue Gas Temperature Measurement

Range :(-20) Degree Celcius to 1000 Degree Celcius.
Resolution :0.1 Degree Celcius
Accuracy :0.1 Degree Celcius \pm 0.3% of reading

8.Differential Pressure

Range :(-)200 hPa to (+200 hPa)
Resolution :0.1 hPa
Accuracy : \pm 1.5 % of measured value.

9 .Sampling Probe -

The instrument must be provided with suitable hose with end Fittings compatible to instrument on one side and probe on the other side to be supplied with instrument.

Unheated probe shaft (Inconel probe 3 metre length) with thermocouple (1000 °C) approximately 3 metre length, minimum 3 filters to be provided in flue gas path of OEM make.

Pitot Tube :Suitable 3.0m (approximately) long pitot tube (SS) to be supplied along with the analyser.

Sampling probe to be provided with carrying case

10. Efficiency :0-100 %

Resolution :0.1%.

11. Flow Velocity : 0-40 m/s.

Resolution : 0.1 m/s.

12.Party should have calibration (NABL/OEM) and service facility in India.

2. **Buyer Added Bid Specific ATC**

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---