



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/4545064
Dated/दिनांक : 14-02-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	24-02-2024 14:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	24-02-2024 14:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Heavy Industries And Public Enterprises
Department Name/विभाग का नाम	Department Of Heavy Industry
Organisation Name/संगठन का नाम	Bharat Heavy Electricals Limited (bhel)
Office Name/कार्यालय का नाम	10060010-r&d
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	Online UPS (V2) (Q2)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज़ की आवश्यकता है।	Yes

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	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 .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.

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.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.

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.

Online UPS (V2) (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Generic	Rating in KVA	10.0 KVA
	Switching Technology	IGBT-PWM
	Input Voltage	AC Three phase 300 V - 450V sinewave 50Hz
	Output Voltage	AC Single phase 230V +/-1% 50 Hz
	Warranty for UPS (Years)	2, 3, 4, 5 Or higher
Battery/Backup Bank	Battery/Backup Bank Provided with Online UPS (Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021)	With Battery
	Type of Battery (hint: NA in case Battery not provided)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest
	Backup time (Minutes) (hint: NA in case battery not provided)	60 Minutes
	Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided	2, 3 Or higher
Installation and Commissioning or Service	Installation and Commissioning (Covered in the Scope of Supply)	Provided
Performance / Functional	Inbuilt isolation transformer	With
	Overall Efficiency (%)	>/=90% with Inbuilt isolation transformer
	Overload limit	20% Overload for minimum 10 minute, 20% Overload for minimum 5 minute, 50% Overload for minimum 1 minute, 50% Overload for minimum 3 seconds
	Total Harmonic Distortion(THD) (%)	3% Maximum @ 100% Linear Load

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Other Functional Features	Crest factor on full non-linear load is not less than 3:1, Noise level (1 meter distance from UPS) should be less than 70dB, Input power factor at full output load leading to unity with active power factor correction (APFC) ≥ 0.92 , Transient response time (for 100% load change, output must remain within +/-1% and recovery) as < 20 milliseconds, Battery recharge time (after complete discharge to 90% charge) and charge rating: Battery recharge time to 90% charge after 100% DoD : 8 to 10 Hours, Maximum overshoot and Under shoot of output rated voltage (in percentage) (4%), Voltage Regulation from no load to full load (%) ($< / = 2\%$), UPS input power factor better than 0.95 (at rated voltage)
Accessories	Accessories	Rack for Batteries, Cabling 6 meters (input upto 3m and output upto 3m), Paralleling kit (Hot Standby Configuration), Paralleling kit for synchronizing (Parallel Redundant Load Sharing Configuration), SNMP Card (with Suitable Software) for communication, The UPS shall be complete with Trolley for battery bank,battery, Cables and connectors etc, NA
Salient Features	Protection	Protection for under voltage at battery terminal, Protection of Over voltage, Short Circuit & over load at UPS output terminal, Over temperature protection
Design / Construction	Type of Design / Construction	Floor Standing, Rack Mountable

Additional Specification Parameters - Online UPS (V2) (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Additional specification for 10KVA UPS	a) Technology : True online UPS with inbuilt galvanic isolation transformer, PWM with IGBT technology SNMP Management port is optional. b) Output power quality : Output Waveform should be pure sinewave with THD less than 3% for linear load and less than 5% for non-linear load c) Suitable Indicators for displaying the status of UPS should be provided d) Bypass should be provided in case of failure of UPS e) Test certificate and operation manual (Hard copy and soft copy) to be provided.
Battery compliance and Warranty for Batteries	a) SMF-VRLA conforming to JISC:8702(Pt.I,II&III) b) Battery backup time : 60 minutes or more. c) Warranty for Batteries should be 3 years or higher from date of acceptance at BHEL R&D. This clause will override the battery/Backup bank clause mentioned in specifications

Specification Parameter Name	Bid Requirement (Allowed Values)
Other mandatory specifications	a) Metal Rack for Batteries placement to be provided b) Safety : CE Certification and marking to be provided c) Metering : Input voltage, Input current, Input frequency. output voltage, output current, output frequency e.t.c., has to be displayed on a LCD on the UPS d) UPS shall be supplied with rated power cable of 5 meters at input and 10 meters at output e) Efficiency at rated load & 0.9 PF should be > 85%
Voltage specifications	a) Input voltage : Three phase input voltage (340 - 450 V AC), 50Hz \pm 6% b) Output voltage : Single phase output voltage of 230V \pm 1%, 50Hz \pm 0.5
Other Functional Features	a) Noise level (1 meter distance from UPS) should be less than 70dB,. This clause will override Other Functional Features clause mentioned above. b) Supply and Installation to be done at BHEL corp. R&D, Hyderabad. Vendor has to demonstrate the functionality at site

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

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	Ambati Sandeep	500042, BHEL, Corp.R&D, Vikasnagar, Near BBR Hospital, Hyderabad	2	90

Special terms and conditions-Version:1 effective from 06-07-2022 for category Online UPS (V2)

- In addition to General Terms and Conditions of GeM, the following Special T&C shall be applicable for Online UPS (Version 2.0) with reference to Installation and Commissioning.

Seller's Responsibility: Installation and Commissioning shall involve all the interconnections, any cabling between power source, switch boards within 3 metre range for input power and connecting Output power in the Scope of seller.

Buyer's Responsibility: Buyer will ensure well ventilated/covered site/room having requisite power points/distribution board to provide input power to UPS as well as to take out power from UPS within 3 metre of the location of UPS placement.

The above is not applicable for the stores supplied without installation and commissioning.

Note: The above is indicative and any incidental requirement related to above responsibilities shall also be considered in the responsibilities of Buyer/Seller as applicable.

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

1. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1a) Pre-Qualification Criteria : Vendor/Bidder shall submit at least one PO copy which they have obtained for 10KVA online UPS supplies in the last 5 years from the date of enquiry for our reference.

1b) Relaxation of Norms for Startups: The condition of Prior Turnover and prior experience is relaxed for all startups whether Micro & Small Enterprises(MSEs) or otherwise subject to meeting of quality and technical specifications in accordance with the relevant provision of GFR,2005 and other DOE-PPD notifications for relaxation norms for startups issued from time to time.

2) Payment term: 100% payment shall be made within the stipulated days as mentioned below from the date of Installation and commissioning, demonstration and acceptance of equipment at BHEL Corporate R & D Vikasnagar, Hyderabad and submission of PBG by vendor in prescribed format.

Type of bidder :

A.For Micro & Small enterprises(MSEs) payment will be made within 45 days

B. For Medium Enterprises will be made within 60 days

C. Non MSMEs will be made within 90 days

However, GST Portion of Invoice shall be released only upon:

i) vendor declaring the Invoice in their GSTR-1.

ii) Receipt of Goods and Tax Invoice by BHEL.

iii) Confirmation of Payment of GST thereon by vendor on GSTN.

3) Restriction under rule 144 : Submit signed and stamped document (on letter head) of **Annexure - 144** which is attached in ATC document (Page 3 of 8).

4) Performance Bank Guarantee (PBG) :

PBG of 10% of total order value is to be submitted by the successful vendor and shall be kept valid till the end of warranty period (3 years from date of acceptance) with additional claim period of 3 to 6 months thereafter. The offers of the suppliers not accepting to this clause will be rejected.

Note : Pro-forma of PBG is attached in Page 4 to 8 of Buyer Uploaded ATC document.

5) Interest of delayed submission of PBG :

PBG of 10% of total order value is to be submitted by the successful vendor within 15 days from the date of completion of entire scope of work (supply, installation and commissioning). Bidder agrees to submit PBG required for execution of the contract within the time period mentioned. In case of delay in submission of PBG enhanced amount which would include (Repo rate + 4%) for delayed period shall be submitted by the bidder. Further if PBG is not submitted till that time the first bill comes due, the amount of PBG due shall be recovered as per terms defined in the NIT/contract from the bills along with due interest.

6) Delivery period : The delivery period 90 days (from PO date) is for complete scope of work i.e., supply, installation and commissioning and demonstration for both UPS.

7) Vendor has to submit this GEM bid document duly signed and stamped on all pages. By submitting signed GEM bid document it affirms that vendor has accepted to all the terms and conditions mentioned in the bid such as payment terms, PBG, delivery period etc.

8) Vendor has to submit **un-priced bid format (Annexure B)** which is attached in Page 2 of 8 of Buyer uploaded ATC document along with technical bid. Prices should not be quoted on the un-priced bid Only GST % to be quoted.

9) Vendor has to upload duly filled and stamped **price breakup document Annexure-C** (Page 1 of 8) of buyer uploaded ATC document along with financial bid.

10) Vendor has to quote price(s) inclusive of GST and other applicable charges. Note that shipping, Transportation, unloading of equipment at BHEL R&D shall be in the scope of bidder only.

11) Breach of contract, Remedies and Termination : In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is at least 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. Further, Levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per

provisions of the contract.

2. Buyer Added Bid Specific ATC

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

Disclaimer/अस्वीकरण

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. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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.

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.

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

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./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 कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---