



Bid Number: GEM/2022/B/2754718

Dated: 21-11-2022

Bid Document

Bid Details	
Bid End Date/Time	01-12-2022 17:00:00
Bid Opening Date/Time	01-12-2022 17:30:00
Bid Offer Validity (From End Date)	90 (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	10300018-pswr
Total Quantity	4
Item Category	DESIGNING SOFTWARE (Version 2.0) (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),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (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
Time allowed for Technical Clarifications during technical evaluation	2 Days
Payment Timelines	Payments shall be made to the Seller within 90 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	No
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. 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.

2. 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.

DESIGNING SOFTWARE (Version 2.0) (4 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	Modules of Designing Software offered in the scope of supply	Architecture Design, Mechanical Design, Structure Design, Infrastructure Design, Electrical Design, Electronic Design, General Design
	Type of Edition of the offered product	Commerical Edition
SCOPE OF LICENCE	Types of Licence	Subscription

Specification	Specification Name	Bid Requirement (Allowed Values)
	" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"	1.0 - 5.0 Or higher
	OEM Licensing policy	Per named user/user
	Number of licensing included in the offered product as per OEM defined licensing policy	1.0 - 100.0 Or higher
	Licence Delivery Mode	Electronic Licence
	Platform type	Desktop based, Server based, Cloud based, Hosted Service based, NA
	Scope of Installation	Installation, Integration, Configuration, User Acceptance Testing of offered product, NA
	The offered product have support from OEM for	Unlimited upgradation of version within support period, NA
	Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Training Options	On-Site, OEM Training Centre, Virtual, Training Material
No of days Training Provided (Hint :- Select '0' if not applicable)	0.0 - 10.0 Or higher	
ARCHITECTURE DESIGN	Architecture Design Features	Parametric Modeling, Building Layout & Design, Site Layout, MasterPlanning, Sustainability Design, Walk-Through Animation, Massing Studies, NA
MECHANICAL DESIGN	Mechanical Design Features	Advance surfacing, Direct Modeling, Fluid Flow Simulation, Mesh CAD Models, Mold design, Plastic Parts Design, Weldments, Mechanical concept and layout design, Energy Analysis, Heating Ventilation and Air Conditioning (HVAC), MEP Fabrication, Plumbing System Design, Computer Aided Manufacturing (CAM), NA
STRUCTURE DESIGN	Structure Design Features	Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation, NA
INFRASTRUCTURE DESIGN	Infrastructure Design Features 1	Site Planning & Layout, Highway and Road Design, Rail Design, Site Development, Geospatial Analysis & Geo Referencing, GIS Integration, Corridor Modelling, Horizontal and Vertical Curves, Bridge Modelling, Point Cloud Data Processing, NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Infrastructure Design Features 2	Master Planning, Volumetric Analysis, Earthwork Calculation, Thematic Analysis, Existing conditions modelin, NA
ELECTRICAL DESIGN	Electrical Design Features	Electrical cable and Conduit design, Panel Design, Circuit Simulation, Load Takeoff Calculation, Electrical Fabrication, NA
ELECTRONIC DESIGN	Electronic Design Features 1	Support Distributed Computing, S-Parameter Simulation support, Harmonic Balance Simulation, X-Parameter Simulation/Support, RF System design and Simulation, S- Parameter Checker, Tuning and Optimization, Optimization for EM and Circuit Co-Simulation, FEM Mesh Domain Optimization, RF System Budget Analysis, Yield Analysis and Yield Optimization, Sensitivity Analysis and Sensitivity Optimization, IP Encoder to protect data, NA
	Electronic Design Features 2	Simulation result Data Display window, DSP and Algorithm Blocks, Digital Filter design wizard, HDL (hardware description language) Code Generation, HDL Co-Simulation with RF System Model, Fixed Point Library, Phased array Intermod and Harmonics 3D Beam Plotting Capability, Support Digital, RF & Hybrid Beam Forming, 3D Antenna Pattern file support, Dynamic 3D graph capability, Radar Source Models, Radar Target Models, Radar Sea Clutter Model, NA
	Electronic Design Features 3	Multi Scattering Target model with Latitude, Logitude and Altitude Support, Cover and Deceptive Jamming EW Models, Clutter Model with PDF, Radar Platform models with Latitude, Longitude and Altitude Support, Radar Propagation loss model for Rainfall and Snowfall, Radar Signal Processing models, Phased Array toolbox, Radar Measurement Model, RF Budget Analysis for Phased Array System, 3D Antenna Beam Plotting for Phased Array, Intermod and Harmonics analysis for Phased array System, RF Budget Planning and System simulation Tool, NA
	EM simulation method used	MOM (Method of moments), FEM(Finite Element Method), NA
	Number of Core for EM Multi -thread supported by the offered product	4, 8, 16, 32, NA
	COMMON PARAMETERS	Common parameters features 1
Common parameters features 2		Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Schematic Design CapabilitySchematic Design Capability, Layout Design Capability, Layout DRC(design rule check) and LVS (layout versus schematic), Design Guide support, Support different CAD files import, Support Python Script, DC and AC Simulation, NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	Basic information modeling supported by the offered product	2 D, 3 D, 4 D, 5 D, NA

Additional Specification Parameters - DESIGNING SOFTWARE (Version 2.0) (4 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Type of Edition of the offered product	Commercial Edition
Name of Software	Adobe Acrobat DC Pro for teams
Name of the OEM	Adobe
Software Description	Business Version
Duration of Subscription	01 (One) Year

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Arnab Ghosh	440001,5th and 6th Floor, Shri Mohini Complex, 345 Kingsway Road, Nagpur-440001, Maharashtra, India	4	15

Buyer Added Bid Specific Terms and Conditions

1. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address BHARAT HEAVY ELECTRICALS LIMITED POWER SECTOR WESTERN REGION SHREE MOHINI COMPLEX 5TH FLOOR NAGPUR MAHARASHTRA - 440 001.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. 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 %.

4. **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.

5. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

6. **Generic**

Scope of supply includes Training: Number of employees to be trained 1 , Place for Training BHELPSWR NAGPUR and Duration of training 1 days.

7. **Generic**

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

8. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

9. **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.

10. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy, Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

11. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

12. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a

registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

13. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Valid OEM Authorization/ Authorized Reseller for this supply will be the PQR (Pre Qualification Requirement) for this bidding.

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 specifications 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. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[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---