

**BHARAT HEAVY ELECTRICALS LIMITED**  
**(A Government of India Undertaking)**  
**P.O. BHEL Jhansi 284120**

**MATERIAL MANAGEMENT DEPARTMENT**

**Notice Inviting Tender (NIT)**  
**For**

Works Contract for “In-house Fabrication & Inspection of WAG-9HC  
Underframe assemblies at FBM, BHEL Jhansi

Tender Enquiry No.

FBM/TW/22/04

Tender due date: 01/07/2022; 13:15 hrs.

Tender Opening date: 01/07/2022; 14:00 hrs.

**Contact Person :**

Name : MONIKA  
Designation : Mgr (CCC)  
Email : monikav@bhel.in  
PH : 0510 – 2770001 – 2414

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**GENERAL INSTRUCTIONS TO BIDDERS**

**The tender shall be addressed to as follows:**

- 1) Name : MONIKA**
- 2) Designation : Mgr (CCC)**
- 3) Email : monikav@bhel.in**
- 4) PH : 0510 – 2770001 – 2414**

Sealed Tenders can be submitted (i) personally, (ii) by Courier, or (iii) by post.

**If submitted personally**

Tender Box  
Security Control Room/Office  
Administrative Building  
Bharat Heavy Electricals Limited  
Jhansi-284120 (U P)

**Or if sent through Courier / Post**

Office of  
Name : P B S Ekka  
Designation : AGM (CLC)  
Email : pbsekka@bhel.in  
PH : 0510 – 2770001– 2549

**5) The Tender comprise of two parts (Part- I & Part –II)**

**Part-I Techno Commercial bid:**

Part I of the sealed tenders alone will be opened by BHEL in the presence of tenderers who are present at the time & place of opening. A signed blank price-bid copy should be enclosed with this bid. The spaces for prices should be crossed (x).

**Part-II Price bid:**

The price bid should contain prices only. Price bid will be opened only for the parties who qualify in techno commercial bid.

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**BHARAT HEAVY ELECTRICALS LIMITED**

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**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

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- 6) The contractors may physically visit the work place before quoting their rates. For relevant details, please visit our website "www.bhel.com" & "www.eprocure.gov.in"
- 7) **BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post. Late tenders shall be rejected outright.**
- 8) The duly filled techno-commercial bid comprising (i) all its sections, (ii) all enclosures (Annexure A, B, C, D, E, G) in support of various clauses and requirements and (iii) EMD, shall be duly signed and sent in a sealed envelope boldly super-scribing **"PART-I TECHNO COMMERCIAL BID FOR "Tender No FBM/TW/22/04 dated 17.06.2022"**.

Similarly, the Price-bid (Annexure –F) must be duly filled signed and sent in a sealed envelope boldly super-scribing **"PART-II PRICE BID for Tender No FBM/TW/22/04 dated 17.06.2022 "**

Both these envelopes shall be placed inside 3<sup>rd</sup> sealed envelope super-scribing" duly signed and sent in a sealed envelope boldly super-scribing **"Quotation for Tender No FBM/TW/22/04 dated 17.06.2022"**

**TO BE SIGNED BY THE TENDERER**

Certified that all Sections of the Tender have been read / complied & agreed to, and each page of the tender offer has been signed & stamped.

(Signature of Authorized person(s))

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority

**BHARAT HEAVY ELECTRICALS LIMITED****(A Govt. of India undertaking)****FABRICATION DIVISION (FBM), JHANSI - 284120****TENDER ENQUIRY NO: FBM/TW/22/04****DATE: 17.06.22****TABLE OF CONTENTS****PART I: TECHNO-COMMERCIAL BID**

| SN  | Description                                           | Annexure No.  | Page No. | No.of Pages |
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| 01. | Notice Inviting Tender                                | A             | 1-6      | 17          |
| 02. | Work Specification, Measurement of work and Payment   | B             | 7-13     |             |
| 03. | Qualifying Requirements                               | C             | 14-15    |             |
| 04. | Performa for submitting Technical Bid                 | D             | 16-17    |             |
| 05. | General Terms & conditions of enquiry (JHS 2055C R02) | Copy Enclosed | 18       | 14          |
| 06. | Clubbed Annexures (I to XII) Forms                    | I to XII      | 19       | 17          |
| 07. | Blank Price Bid Sheet                                 | E             | 20       | 1           |
| 08. | Declaration by bidder -Cartel formation               | G             | 21       | 1           |
| 09  | Risk & Cost –SOP (Circular No. 23 of 2017-18)         | Copy Enclosed | 23       | 11          |
|     | TOTAL                                                 |               |          | 61          |

**PART II: PRICE BID****(Separate envelope)**

| SN  | Description     | Annexure No. | Page No. | No.of Pages |
|-----|-----------------|--------------|----------|-------------|
| 01. | Price Bid Sheet | F            | 22       | 1           |

**Annexure – 'A'**-----  
We hereby accepted above (signature & seal of bidder)

Seal &amp; Signature of BHEL contracting authority

**BHARAT HEAVY ELECTRICALS LIMITED****(A Govt. of India undertaking)****FABRICATION DIVISION (FBM), JHANSI - 284120****TENDER ENQUIRY NO: FBM/TW/22/04****DATE: 17.06.22****NOTICE INVITING TENDER**

|             |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>1</b>    | <b>Scope of Work</b>                                                                                                                                                                                                                                                                                                                                                    | Works Contract for In-house Fabrication & Inspection of WAG-9HC <b>Underframe-assemblies</b> at FBM, BHEL Jhansi   |
| <b>2</b>    | <b>Tender evaluation criteria</b>                                                                                                                                                                                                                                                                                                                                       | As per qualifying requirements (see annexure C attached)                                                           |
| <b>3</b>    | <b>Validity of Contract</b>                                                                                                                                                                                                                                                                                                                                             | <b>09 Months</b> from the date of award of work order                                                              |
| <b>4</b>    | <b>Date and Time of Receipt of Tenders</b>                                                                                                                                                                                                                                                                                                                              | Up to 13:15 hrs. on <b>01.07.22</b>                                                                                |
| <b>5</b>    | <b>Date and Time of Opening of Technical bids</b>                                                                                                                                                                                                                                                                                                                       | 14:00 hrs. on <b>01.07.22</b>                                                                                      |
| <b>6</b>    | <b>Address for submitting the Tender</b>                                                                                                                                                                                                                                                                                                                                | Tender Box, Security Control Room/Office, Administrative Building, Bharat Heavy Electricals Limited, Jhansi-284120 |
| <b>7</b>    | <b>Earnest Money Deposit (EMD)</b>                                                                                                                                                                                                                                                                                                                                      | <b>Rs. 33,740/-</b> (Rupees Thirty three Thousands seven Hundreds and forty Only)                                  |
| <b>7(a)</b> | The EMD may be accepted only in the following forms:<br>(i) Electronic Fund Transfer credited in BHEL account (before tender opening)<br><i>BHEL account details: Bank Name: - SBI; A/c No. :- 10670828866 ; IFSC code:- SBIN0003807, A/c Holder Name:- BHARAT HEAVY ELECTRICALS LIMITED</i><br>(ii) Card swapping through POS machine at Cash section of BHEL Jhansi.) |                                                                                                                    |
| <b>7(b)</b> | In case of successful bidder, EMD will be converted and adjusted against the security deposit.                                                                                                                                                                                                                                                                          |                                                                                                                    |
| <b>7(c)</b> | <b>EMD will be forfeited in following cases</b>                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |
| <b>(i)</b>  | After opening the tender, the bidder revokes his tender within the validity period or increases his quoted rate.                                                                                                                                                                                                                                                        |                                                                                                                    |
| <b>(ii)</b> | The bidder does not commence the work within the stipulated period as per LOI/ Contract. In case the LOI/contract is silent in this regard, then within 15 days after award of contract.                                                                                                                                                                                |                                                                                                                    |
| <b>7(d)</b> | EMD given by all unsuccessful tenderers shall be refunded normally within 15 days of acceptance of award of work by successful tenderer.                                                                                                                                                                                                                                |                                                                                                                    |
| <b>7(e)</b> | EMD shall not carry any interest.                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |

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Seal &amp; Signature of BHEL contracting authority



# BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India undertaking)

FABRICATION DIVISION (FBM), JHANSI - 284120

TENDER ENQUIRY NO: FBM/TW/22/04

DATE: 17.06.22

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8    | MSE Benefits in tender:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 8(a) | <b>EMD &amp; Tender cost:</b> For MSE bidders submission of EMD and tender cost will be applicable as per MSE act. Tender documents shall be issued free of cost & no EMD wherever called for will be insisted upon. MSE bidders shall submit along with bid relevant documents w.r.t. their respective MSE status as per extant norms. Date to be reckoned for determining the deemed validity will be the last date of Technical bid submission. Non- submission of such document will lead to consideration of their bid, at par with other bidders and MSE status of such bidders shall be shifted to Non- MSE supplier till the supplier submit these documents. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 8(b) | <b>Turnover criteria &amp; Prior Experience:</b><br>Considering Critical Quality aspects and Technical specification implications of work. <b>No relaxation</b> shall be given to MSE/Startup bidder on account of turnover criteria & Prior experience.                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9    | Validity of Offer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 120 days from the date of opening of Technical Bid (Part-I)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10   | Security Deposit (SD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | As per General terms & conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11   | GST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18 % of quoted rate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 12   | PF & ESI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Contractor has to submit PF and ESI registration certificate after issue of LOI and before award of Work Order to him.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13   | Reverse Auction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BHEL Shall be resorting to reverse auction (RA) (Guidelines as available on <a href="http://www.bhel.com">www.bhel.com</a> ) for this tender. RA shall be conducted among the techno-commercially qualified bidders.<br>Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in the reverse auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking. |
| 14   | Address for issue of Tender                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AGM(CCC), Bharat Heavy Electricals Limited Jhansi, PIN- 284120                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**Note:** (i) The contractors may physically visit the work place before quoting their rates.

For relevant details please visit our website "www.bhel.com" &

[www.eprocure.gov.in](http://www.eprocure.gov.in).

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FABRICATION DIVISION (FBM), JHANSI - 284120

TENDER ENQUIRY NO: FBM/TW/22/04

DATE: 17.06.22

Annexure B

### WORK SPECIFICATION

#### 1. SCOPE OF WORK OF THE CONTRACTOR SHALL BE AS FOLLOWING:

- a. The contractor shall be responsible for "In-house Fabrication & Inspection of WAG-9HC Underframe assemblies at FBM, BHEL Jhansi. If bidder desires sample/ typical drawing of underframe assembly (drawing no. IB021-00380 X), BHEL can provide drawings for reference only, however the contractor shall execute the job as per the specific drawing provided by the Fabrication Deptt., BHEL, Jhansi during execution of job as per instructions of BHEL engineer in charge.
- b. BHEL shall provide following sub-assemblies for each underframe :
  - 1) Headstocks – 2 nos.
  - 2) Bolster assembly – 2 nos.
  - 3) Centre Underframe assembly -1 nos.
  - 4) Centre –sill assembly – 1 nos.
  - 5) Side sill assembly-2 nos.

Apart from above sub-assemblies, BHEL shall provide MS plate and BOI items (sockets, pivot pins, junction boxes, compressor legs, battery legs, air dryer brackets etc) to the contractor as per requirement to fabricate WAG9HC underframe assembly .

- c. The scope of work mainly comprise of :
  - 1) Proper handling & placement of underframe sub-assemblies i.e Headstocks, Centre underframes, Bolster assy, centre sills, side sills and infill plates over jacks at underframe booths in order to fabricate WAG9HC underframe as per camber requirements.
  - 2) Welding, dressing and NDT of joints as per drawing requirements, maintain proper camber and obtaining clearance from QC-FBM in both RWU and USD position
  - 3) Flipping/Rotating the underframes from RWU position to USD position by using manipulator and shifting underframe for USD work position.
  - 4) Welding & NDT of Pivot pins, sockets and other underslung items like Junction boxes, compressor legs, battery legs other underslung miscellaneous items required for USD position work completion as per QC- checklist and obtaining clearance from QC-FBM. The scope of work also includes preparation, assembly, welding, NDT, shot blast & primer painting of some small / miscellaneous items (as per list given by FBM) which will be required to complete the USD work.

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**DATE: 17.06.22**

- 5) Shifting of Final assembled WAG9HC underframe after proper welding, dressing and clearance from QC-FBM to Shell erection booth.

All other underframes fabrication related activities not mentioned above are in the scope of contractor as per instruction from BHEL engineer –incharge. This work involves handling of heavy loads hence trained manpower and crane operator is required to be deployed by contractor.

The scope of work also includes material preparation (cutting, bending, rolling, drilling, tapping, dressing etc. which includes steel blanks for machining), assembly (fitting, welding, , NDT testing), primer painting as per Assembly Drawing provided by BHEL and getting the jobs cleared by QC (BHEL) and Customer/ RDSO and handing over to user department as per BHEL Quality Plan.

- d. The work shall conform to dimensions and tolerances given in various drawings and documents that will be provided during manufacturing. If any portion of works is found to be defective in workmanship and not conforming to drawings / documents, the contractor shall dismantle and re-do the work duly replacing the defective materials at their own cost, failing which recoveries, as determined by BHEL, shall be deducted from contractor's bills.
- e. Even after completion of job at FBM & handing over to Loco shop, vendors has to do the rectification required if any found by the user department at later stage. In case of refusal, the work will be carried out at their risk & cost as per BHEL guidelines.
- f. The work covered under this specification is of highly sophisticated nature, requiring the best quality workmanship and supervision. The contractor should ensure proper planning and successful and timely completion of the work to meet the overall manufacturing schedule. The contractor must deploy adequate quantity of tools & plants, modern / latest fabrication aids etc. which are not available with BHEL to meet the plan target of FBM. He must also deploy adequate trained, qualified and experienced supervisory staff and skilled personnel.
- g. Contractor has to work in both shifts (A&B) in general but if required by BHEL then contractor shall work in 3 shifts (A, B &C). Contractor shall appoint qualified supervisors for A/B/C Shifts for coordination with various departments of BHEL, Jhansi. Contractor has to deploy qualified welders at work, BHEL may get tested the welders. Contractor has to organize adequate work force of qualified and experienced welders and fitters to take up parallel working for fabrication. In case machines (like: CNC flame cutting machine, drilling machine, shot blast etc.) are occupied in A & B shifts by BHEL, contractor has to do his work on that machines in C shifts.

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**h.** Machines/equipment such as welding machines, hand grinding machines and painting gun shall be arranged by contractor. Jigs & Fixtures required as directed by BHEL/Engineer for completion of job to be made available by contractor. In stages, machining (only milling) operation, if needed as per drawing, shall be in BHEL's scope. For machining of items, contractor has to provide materials for machining after preparation of the same to BHEL at least 15 days ahead from its requirement duly cleared by FBM/QC. Drilling and tapping are in the scope of contractor.

**i.** Electricity, compressed air and cutting gases shall be provided by BHEL free of cost. EOT crane shall be provided by BHEL free of cost; however, operation of the same shall be the responsibility of contractor. Trained Crane operators to be deployed by contractor.

All other consumables like electrodes, grinding wheels piano wires, electric wires for grinding machines/welding machines, soap solution gun, welding nozzles/tips available with BHEL shall also be provided by BHEL free of cost. In contingency (if not available with BHEL), in order to meet the job requirement and any additional resources if required shall be arranged by the contractor at their own cost. Non availability of these consumables will not be counted for delay attributable to BHEL.

**j.** Inspection at various stages shall be done by BHEL-QC/Customer and proper record shall be maintained by contractor. Inspection/clearance by BHEL-QC/Customer shall be the responsibility of the contractor. In addition, the Contractor shall attend to any rework/modifications, as and when suggested by BHEL-QC / BHEL Engg.

**k.** Maintaining proper documentation of all the fabrication activities undertaken by the Contractor as per the proforma mutually agreed with BHEL, Submission of daily/monthly progress reports and any such document as and when desired by BHEL/owner.

**l.** The Contractor shall be responsible for complying with all the applicable statutory acts & laws.

**m.** BHEL, Jhansi is certified for ISO 9001. Quality of work to customer's satisfaction and fulfilment of system requirements are the essence of ISO 9001 certification. BHEL, Jhansi has HSE certification (ISO 14001 & OHSAS 18001) and therefore Contractor also shall organize/ plan/ perform all their activities to meet with the applicable requirements of these standards.

Safety penalties as listed below from Sl. No. 1 to 15 will be liable to penalize based on letter received from safety department. For Sl. No. 16, 17, 18 & 19 FBM/Engineer and for Sl. No.20 & 21 QC/FBM may give letter regarding NCR/penalty.

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**BHARAT HEAVY ELECTRICALS LIMITED****(A Govt. of India undertaking)****FABRICATION DIVISION (FBM), JHANSI - 284120****TENDER ENQUIRY NO: FBM/TW/22/04****DATE: 17.06.22****NON COMPLIANCE:-**

NONCONFORMITY OF QUALITY, SAFETY RULES AND SAFETY APPLIANCES WILL BE VIEWED SERIOUSLY AND BHEL HAS RIGHT TO IMPOSE FINES ON THE CONTRACTOR AS UNDER for every instance of violation noticed as detailed below:

| S. No. | Violation of Safety/Quality Norms                                                                                                                  | Fine (in Rs)(taxes extra, if applicable) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 01     | Not Wearing Safety Helmet                                                                                                                          | 50/- *                                   |
| 02     | Not wearing Safety Belt or not anchoring life line                                                                                                 | 100/-*                                   |
| 03     | Not wearing safety shoe                                                                                                                            | 100/-*                                   |
| 04     | Not keeping gas cylinders vertically                                                                                                               | 100/-                                    |
| 05     | Not using flash back arrestors                                                                                                                     | 50/-                                     |
| 06     | Not wearing gloves                                                                                                                                 | 50/- *                                   |
| 07     | Grinding Without Goggles                                                                                                                           | 50/- *                                   |
| 08     | Electrical Plugs Not used for hand Machine                                                                                                         | 100/-                                    |
| 09     | Not Slings properly                                                                                                                                | 200/-                                    |
| 10     | Using Damaged Sling                                                                                                                                | 200/-                                    |
| 11     | Lifting Cylinders Without Cage                                                                                                                     | 500/-                                    |
| 12     | Not Using Proper Welding Cable With Lot of Joints And Not Insulated Properly.                                                                      | 200/-                                    |
| 13     | Not Removing Small Scrap From Booths                                                                                                               | 200/-                                    |
| 14     | Gas Cutting Without Taking Proper Precaution or Not Using Sheet Below Gas Cutting                                                                  | 200/-                                    |
| 15     | Improper Earthing Of Electrical T&P                                                                                                                | 500/-                                    |
| 16     | Not Cleaning Gang Way Properly                                                                                                                     | 500/-                                    |
| 17     | Not removing Scrap/Off-cuts accumulated at machines like CNC flame cutting machine, plate cutting machine and drilling machine after its operation | 500/-                                    |

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|    |                                                                                                                                 |                                                              |
|----|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 18 | Misusing of steel plates and/or throwing of off-cuts materials in scrap bin at your work place or at cutting (CNC) machines.    | 1000/-                                                       |
| 19 | Misuse/Unauthorized use of Machines like- CNC Flame cutting machine, Drilling, Bending, shearing machines, EOT cranes, etc.     | 1500/-                                                       |
| 20 | NCRs (Non Conformity Report) noticed by FBM/QC                                                                                  | Up to 3nos. NCR = 0.00(NIL)<br>After 3 NCRs = 100/- per NCR. |
| 21 | If any NCR (Defects) observed by Customer/User Department after YFR cleared by QC/FBM and not attending the same within 24 Hrs. | 500 per NCR                                                  |

Legend:-\*: per head,

Any other non-conformity noticed not listed above will also be fined as deemed fit by BHEL. The decision of BHEL engineer is final on the above. The amount will be deducted from running bills of the contractor.

- n. Contractor shall give undertaking for providing skilled & Un-skilled manpower as per requirement of BHEL during execution of contract.

### 2. MEASUREMENT OF WORK & PAYMENT:

- Work shall be measured in terms of Kg. Payment will be made to contractor on 'Rs/Kg' basis towards completion of "Fabrication of WAG9HC Underframe assembly at FBM and getting the jobs cleared by QC (BHEL)/customer as per BHEL Quality Plan"
- The contractor shall submit his monthly RA (running account) bills with all the details required by BHEL on specified date monthly (by 1st week of the month) covering completion of work in all respects and works completed for the bill period.
- BHEL shall make the payment on completion of work and clearance from BHEL (QC) and Customer as per BHEL Quality Plan.
- All the payments will be subject to deduction of tax at source applicable as per law.

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**3. Estimated Quantum of Works:** The contract has only one item:-

**Item 1: (WAG9HC Underframe assy.):** Quantity – 6 sets, Per set weight is 26280.7 kg (approx.); Total weight for 6 sets is 157684.2 Kgs as per Drg No. IB021-00380 X.

**Note:** The quantity indicated is a projection based on the present requirements. The quantity may increase / decrease by  $\pm 20\%$  based on BHEL's order book position and production requirements. Loading (letter order) will be given accordingly.

**4. Splitting of Contract:**

**4.1** There will be no splitting of contract or distribution of quantity and complete order will be offered for award to L1 party.

**4.2 In case of Bid received from MSE bidders, benefits earmarked to MSE as per Corporate circular no 44 of 2018-19 :**

- (i) In tender, participating MSEs quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 25% of total tendered value and balance 75% of supply quantity shall be distributed to non MSE bidders as per clause no. 4.1 above.
- (ii) In case of more than one such MSE, the supply shall be shared proportionately. A quantum of 6.25% out of 25% quantity, so earmarked, will be reserved for MSE's owned by SC / ST entrepreneurs who submit their bid with relevant documents provided that in event of failure of such MSE(s) to participate in tender process or meet tender requirements and L1 price, 6.25% sub-target for procurement earmarked for MSE(s) owned by SC or ST entrepreneurs shall be met from other MSE(s). In case of indivisible tender the full quantity shall be awarded to MSE.
- (iii) Minimum 3% reservation for women owned MSEs within the above mentioned 25% reservation.
- (iv) If an enterprise falling under MSE category as defined in the MSMED Act 2006, graduates to a higher category from its original category or beyond the purview of the Act, it shall continue to avail all non-tax benefits of its original category notified by the Ministry of Micro, Small and Medium Enterprise for a period of three years from the date of such graduation to the higher category.

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(v) MSE bidders who are registered under MSMED act have to submit valid UDYAM Certificate (along with CA certificate in BHEL prescribed format XI latest ended financial year) applicable to contract. To avail the benefits under MSMED.

**Note:** In reference to clause no 4 above, splitting of tender work below 17% i.e one number of underframe is not possible considering nature of job.

**6. Delivery Period:**

(A) Commencement period – 15 days from the date of LOI

(B) For item 1 (WAG9HC Underframe Assembly): Delivery of two sets (2 nos.) WAG9HC-underframe shall be within 30 days from date of loading.

**Note:** Loading shall be given considering availability of input material and FBM production plan.

**7. LD Clause:** LD/ Penalty shall be applicable as per clause X(4) of General terms and conditions (JHS 2055C R01).

**8.** All required input materials like sub –assemblies (Headstock asy., Bolster asy., Centre underframe asy., Side sill asy., Centre sill asy.) and steel plates for fabrication of underframe will be provided to contractors within 7 working days from the contractor's requisition date and BOI items within 15 days from the date on which contractor handovers the same.

**9. Risk & Cost:**

Risk & cost clauses shall be applicable to non- performing / defaulting bidder as per clause XIV of General terms and conditions (JHS 2055C R02) in line with Corporate SOP dated 10-oct-17.

**10. Drawing and Documents:**

(i) The detailed drawings, specifications available with BHEL engineers will be made available to the contractor during execution/fabrication of work in shop. The contractor will also ensure availability of all drawings / documents at work place.

(ii) Any error or ambiguity be discovered in the specification or information the contractor shall forthwith bring the same to the notice of BHEL before commencement of work. BHEL's interpretation in such cases shall be final and binding on the contractor.

(iii) The data furnished in various annexure enclosed with this tender specification are only approximate and for guidance. However, the change in the design and in the quantity may occur as is usual in any such large scale of work. The contractors quoted rates shall be inclusive of the above factors.

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority

**BHARAT HEAVY ELECTRICALS LIMITED****(A Govt. of India undertaking)****FABRICATION DIVISION (FBM), JHANSI - 284120****TENDER ENQUIRY NO: FBM/TW/22/04****DATE: 17.06.22****Annexure – 'C'****Qualifying Requirement**

| SI No | Description of Qualifying Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | <p><b>Average Annual financial turnover</b> during the last 3 years ending 31st March 2022, should be at least Rs. 5,06,100 /-.</p> <p>The following documents to be submitted in support of turnover</p> <ol style="list-style-type: none"><li>A certificate from CA dully vetting the turnover. <b>"OR"</b></li><li>Audited balance sheet &amp; Profit and loss statement.</li></ol> <p><b>Note 1</b> - If T/o details of 3 years are not available then available years T/o shall be evaluated by dividing it by 3.</p> <p><b>Note 2</b> - Considering Critical Quality aspects and Technical specification implications of work. <b>No relaxation</b> shall be given to MSE/Startup bidder on account of turnover criteria.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2.    | <p><b>Work Experience:</b> ( Bidder should fulfill any one of the following):</p> <p>Experience of having successfully completed/ supplied <b>'similar'</b> steel Fabricated works/items during last 7 years of the month before the one in which applications are invited as under:-</p> <ol style="list-style-type: none"><li>Three similar completed works each valuing not less than the amount equal to <b>Rs 6, 74,800/- . OR</b></li><li>Two similar completed works each valuing not less than the amount equal to <b>Rs 8, 43,500/- . OR</b></li><li>One similar completed works each valuing not less than the amount equal to <b>Rs 13, 49,600/- .</b></li></ol> <p>The term <b>"Similar work"</b> means any steel fabrication work involving fabrication /manufacturing activities of electrical equipment's including loco products.</p> <p>Documentary proof required:</p> <ol style="list-style-type: none"><li>Completion Certificate/ proof of completion,</li><li>Work Order /Purchase Order,</li><li>In addition to above TDS Certificate in case of experience is of Private Sector.</li></ol> <p><b>Note :</b> Considering Critical Quality aspects and Technical specification implications of work. No relaxation shall be given to MSE/Startup bidder on account of Prior experience.</p> |

We hereby accepted above (signature &amp; seal of bidder)

Seal &amp; Signature of BHEL contracting authority



# BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India undertaking)

FABRICATION DIVISION (FBM), JHANSI - 284120

TENDER ENQUIRY NO: FBM/TW/22/04

DATE: 17.06.22

| Sl No | Description of Qualifying Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.    | Contractor Should have PAN number.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4.    | Contractor Should have GST (PAN based)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.    | Contractor shall provide 02 no. welder qualification certificates as per ASME section IX or AWS D 1.1 qualified under the name of his/her firm. The contractor is required to get welder qualification/ approval from customer/agency employed by customer if required by customer during execution of the contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6.    | Bidders are required to submit a self-declaration on their letter head as per the Format enclosed in <b>Annexure V</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7     | Bidders are required to submit a self-declaration to avoid cartel formation on their letter head as per the Format enclosed in <b>Annexure G</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8.    | <p>The documents required for legal entities under whose name and style Contractor has participated in the tender are as follows:</p> <p>8.1) Partnership Firm: Partnership Deed registered at the office of Registrar of Firms.</p> <p>8.2) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.</p> <p>8.3) Society: Registration certificate issued by Registrar of societies.</p> <p>8.4) Sole Proprietor-ship Firm: Undertaking on oath (On Company's letter head ) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely ( _ ).</p> <p>8.5) Limited liability partnership agreement registered under company's act.</p> |

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We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



# BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India undertaking)

FABRICATION DIVISION (FBM), JHANSI - 284120

TENDER ENQUIRY NO: FBM/TW/22/04

DATE: 17.06.22

ANNEXURE D

## PROFORMA FOR SUBMITTING TECHNICAL BID

|    |                                                                                                                                      |                                                 |
|----|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1  | Name of the firm<br><b>(Essential)</b>                                                                                               |                                                 |
| 2  | Address and Contact Numbers<br><b>(Essential)</b>                                                                                    |                                                 |
| 3  | Name of the Proprietor<br><b>(Essential)</b>                                                                                         |                                                 |
| 4  | Registration Number of the Firm<br><b>(Essential)</b>                                                                                |                                                 |
|    | Copy of the Certificate                                                                                                              | Enclosed / Not Enclosed                         |
| 5  | PAN/TAN Number<br><b>(Essential)</b>                                                                                                 |                                                 |
| 6  | GST Number(PAN Based)<br><b>(Essential)</b>                                                                                          |                                                 |
| 7  | Experience Certificate<br>(Along with balance sheet & profit and loss account/ turnover certificate issued by CA) <b>(Essential)</b> | Enclosed / Not Enclosed                         |
| 8  | Earnest Money Deposit<br><b>(Essential)</b>                                                                                          | Rs. 33,740/-                                    |
|    | Receipt No. & Date                                                                                                                   |                                                 |
|    | Electronic fund Transfer no. (Bank)                                                                                                  |                                                 |
| 9  | Validity of offer                                                                                                                    | 120 days from the date opening of technical bid |
| 10 | Blank Price bid 'JS-472'<br><b>(Essential)</b>                                                                                       | Enclosed / Not Enclosed                         |
| 11 | Valid E-Mail Id <b>(Essential)</b>                                                                                                   |                                                 |

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority





**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

|    |                                                                                                 |          |
|----|-------------------------------------------------------------------------------------------------|----------|
| 12 | Participation in RA                                                                             | YES / NO |
| 13 | Proprietorship/ partnership deed                                                                |          |
| 14 | Acceptance of General Terms & Conditions                                                        | YES / NO |
| 15 | Submission of Annexure -G                                                                       | YES / NO |
| 16 | Submission of Security Deposit after issue of LOI and before award of Work Order to contractor. | YES / NO |

**We will fulfill all the obligations of the contractor and abide by the Terms & Conditions mentioned in the enquiry.**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**GENERAL TERMS AND CONDITIONS OF ENQUIRY FOR WORKS  
CONTRACTS (JHS 2055C R02)**

**ENCLOSED – TOTAL 14 PAGES**

**(To be signed by contractor and submitted along with bid)**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**Clubbed Annexures (I to XII) Forms**

**ENCLOSED – TOTAL 17 PAGES**

**(To be signed by contractor and submitted along with bid)**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**BLANK PRICE BID SHEET (ANNEXURE - E)**

**ENCLOSED – TOTAL 01 PAGE**

**(To be signed by contractor and submitted along with bid)**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**Declaration by bidder -Cartel formation**

**Annexure- G**

**ENCLOSED – TOTAL 01 PAGES**

**(To be filled & signed by contractor and submit along with bid)**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

Price Bid Sheet – Annexure - F

(in a separate envelope)

UPLOADED IN SEPARATE FILE

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Govt. of India undertaking)**

**FABRICATION DIVISION (FBM), JHANSI - 284120**

**TENDER ENQUIRY NO: FBM/TW/22/04**

**DATE: 17.06.22**

**Risk & Cost –SOP (Circular No. 23 of 2017-18)**

**ENCLOSED – TOTAL 11 PAGES**

**(To be filled & signed by contractor and submit along with bid)**

-----  
We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority