

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

**POWER TRANSFORMER MANUFACTURING DEPARTMENT**

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

Labour Supply Contract in Power, Non Power Transformer Manufacturing  
shops & CDC, BHEL Jhansi

Tender Enquiry No.

TRM/TS/22/04

Tender due date: 04.10.2022 13:15 hrs.

Tender Opening date: 04.10.2022 14:00 hrs.

We hereby accepted above (signature & seal of bidder)



## BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India undertaking)

TRANSFORMER MANUFACTURING (TRM), JHANSI - 284120

TENDER ENQUIRY NO: TRM/TS/22/04

DATE: 23.09.2022

### DETAILS OF TENDER DOCUMENT

Transformer manufacturing department is manufacturing various size of transformer products at, BHEL Jhansi

1. TRM, BHEL JHANSI is in the process of finalizing the Labour Supply Contract for "in Power, Non-Power Transformer Manufacturing shops & Central Despatch Cell department, BHEL Jhansi"
2. The tender document has been detailed as follows:
  - a) Notice Inviting Tender (Annexure 01)
  - b) Work Specifications including special terms and conditions (Annexure 02)
  - c) Qualifying Requirements (Annexure 03)
  - d) Other required documents (Annexure 04).
  - e) Proforma for submitting technical bid (Annexure 05).
  - f) General Terms & conditions
  - g) Forms & Formats (Annexure I to XIV)
  - h) Price Bid (Format Attached)
  - i) Blank Price bid (Format Attached)

The duly filled in Technical and Price / Rate bids along with General Terms and Conditions and all other attachments with the signature of the tenderer on all the pages and complete in all respects super scribed as "Quotation for Tender No TRM/TS/22/04 dated 23.09.2022" should reach us in a sealed cover on or before **04.10.2022** (13.15 hours) through Registered / Speed post or the same may be dropped in the tender box available at the following address:

Tender Box  
Security Control Room/Office  
Administrative Building  
Bharat Heavy Electricals Limited  
Jhansi-284 120

**Note:** (i) Incomplete offers are liable for rejection.

(ii) Technical bid and price bid should be submitted in separate sealed envelopes. In case the bids are found in one single envelope then the "bids" are liable to be rejected.

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**TRANSFORMER MANUFACTURING (TRM), JHANSI - 284120**

**TENDER ENQUIRY NO: TRM/TS/22/04**

**DATE: 23.09.2022**

**TENDER DOCUMENT FOR**

**LABOUR SUPPLY CONTRACT Power, Non-Power Transformer Manufacturing shops & Central Despatch Cell department, BHEL JHANSI**

**The tender document has been detailed as follows:**

SN	Description	Annexure No.	Page No.
01.	Notice Inviting Tender	01	
02.	Work Specifications for Option A & Option B, Special terms and conditions	02	
03.	Qualifying Requirements	03	
04	Other Required Documents	04	
05	Performa for submitting Technical Bid	05	
07	General Terms & conditions of enquiry (JHS 2055B R06)	06	
08	Forms & Formats	(Annexure I to XIV)	
10	Price Bid Sheet	07	
11	Blank Price bid	08	
	TOTAL		

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TENDER ENQUIRY NO: TRM/TS/22/04

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Annexure – '01'

## NOTICE INVITING TENDER

	NIT Terms	Activity
1	Scope of Work	LABOUR SUPPLY CONTRACT Power, Non-Power Transformer Manufacturing shops & Central Despatch Cell department, BHEL JHANSI
2	Tender evaluation criteria	As per qualifying requirements (as per tender documents)
3	Validity of Contract	12 Months from the date of award of work order
4	Date and Time of Receipt of Tenders	04.10.2022 13:15 hrs
5	Date and Time of Opening of Technical bids	04.10.2022 14:00 hrs
6	Address for submitting the Tender	Tender Box, Security Control Room/Office, Administrative Building, Bharat Heavy Electricals Limited, Jhansi-284120 <b>Note: BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post. Late tenders shall be rejected outright</b>
7	Earnest Money Deposit (EMD)	Rs. 209980/- (Rupees Two Lakh Nine Thousand eighty Only)
7(a)		The EMD may be accepted only in the following forms: (i) Electronic Fund Transfer credited in BHEL account (before tender opening) <i>BHEL account details: Bank Name: - SBI; A/c No. :- 10670828866 ; IFSC code:- SBIN0003807, A/c Holder Name:- BHARAT HEAVY ELECTRICALS LIMITED</i> (ii) Card swapping through POS machine at Cash section of BHEL Jhansi.)
8(a)		In case of successful bidder, EMD will be converted and adjusted against the security deposit.
8(b)		<b>EMD will be forfeited in following cases</b>
(i)		After opening the tender, the bidder revokes his tender within the validity period or increases his quoted rate.
(ii)		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.
(iii)		<b>For MSME bidder's submission of EMD and tender cost will be applicable as per MSME act.</b>
8(c)		EMD given by all unsuccessful tenderers shall be refunded normally within 15 days of acceptance of award of work by successful tenderer.

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8(d)	EMD shall not carry any interest.	
9	<b>Validity of Offer</b>	120 days from the date of opening of Technical Bid (Part-I)
10	<b>Security Deposit (SD)</b>	As per General terms & conditions
11	<b>GST</b>	18 % of quoted rate.
12	<b>PF &amp; ESI</b>	Contractor has to submit PF and ESI registration certificate after issue of LOI and before award of Work Order to him.
13	<b>Reverse Auction</b>	<p>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.</p> <p>Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for 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.</p>
14	<b>Address for issue of Tender</b>	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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TENDER ENQUIRY NO: TRM/TS/22/04

DATE: 23.09.2022

Annexure 02

## WORK SPECIFICATION Brief Description of work

1) Scope of work: The contractor shall be responsible for following specified work.

### WORK SPECIFICATION

SL. NO.	Details of works in Power transformer manufacturing shop
	A
1	Assistance in coil Assembly Activities.
2	Assistance in T.G Activities
3	Assistance in after processing activities.
4	Assistance in cleaning of Tank and Tank cover before tanking
5	Assistance in Turret Preparation.
6	Assistance in loading process vessel.
7	Assistance in unloading process vessel.
8	Assistance in case Fitting activities.
9	Assistance in Pressure test activities.
10	Assistance in Nitrogen filling activities.
11	Assistance in Heat run test activities.
12	Assistance in Impulse test activities.
13	Assistance in unlacing activities.
14	Assistance in Relacing activities.
15	Assistance in handling of insulation item for T.G during preparation in bay-7 insulation shop.
16	Assistance in handling of insulation items for coil assembly during preparation in bay-7 shop.
17	Assistance in handling of insulation of gasket sheets, gasket during preparation in bay-7 insulation shop
18	Assistance in handling of copper item for TG during preparation in bay-3 machine shop.
19	Assistance for loading and unloading of CRGO rolls.
20	Assistance for handling of scrap laminations from CNC cropping line
21	Assistance for handling of power Trfr. Lamination.
22	Assistance for handling of 3 phase freight Loco Core laminations building.
23	Assistance FOR CRGO SHEET HANDLING during cropping of laminations.
24	Assistance for identification, placement and proper storage of silted rolls.
25	Assistance in Gluing of Scarf Cylinders.
26	Assistance in final shifting of Power Coils.
27	Assistance in untangling of conductors of helical coils.
28	Assistance in coil dismantling.
29	Assistance in shifting of waste material from shop to scrap area

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30	Assistance in shifting of items from store to shop.
31	Assistance in housekeeping of Machines & Equipment's
32	Assistance in shop area cleaning in both shifts. (11568 Sq. Mtr daily X 300 Days)
33	Assistance in cleaning of moulds.
34	Assistance in shifting of insulation items.
35	Assistance in cleaning of 8 Heating vessel after each load. (200 load for each vessel)
36	Assistance in shifting of finished Coils to assembly shop.
37	Assistance in shifting of coils for alignment and repair.
38	Assistance in shifting of coils for clamping and shifting to Oven.
39	Assistance in coil shrinkage on press machine.
40	Assistance in coil tightening and shifting to press M/C and Handling over.
41	Assistance in collection of aluminum blocks & tie rods from assly. Shop.
42	Assistance in Dummy preparation of coils
43	Assistance in shifting of coils for ratio test.
44	Assistance in stacking of mould packaging.
45	Assistance in preparation of shields.
46	Assistance in pit cleaning of vertical machines before each loading
47	Assistance in Bobbin stand shifting on machine according to direction of coils.
48	Assistance in shifting of freight loco transformer coils.
49	Assistance in crane operation

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- 2) **Scope of work:** The contractor shall be responsible for following specified work in Non-Power transformer manufacturing shop.

Sl No	Details of Work in Non-Power transformer manufacturing shop
	<b>B</b>
1	Assistance in handling of material during manufacturing of traction transformer.
2	Assistance in coil Winding of Traction transformer & its sub-assemblies.
3	Assistance in core coil Assembly & TG of SOD & GOD.
4	Assistance in core coil assembly, TG assembly, Tanking & cover mounting of 3 phase freight loco transformer.
5	Assistance in vacuum processing, oil filling, painting & pinking of 3 phase freight loco transformer.
6	Assistance in core coil Assembly, TG assembly, Tanking & cover mounting of ACEMU transformer.
7	Assistance in vacuum processing, oil filling, painting & pinking of ACEMU transformer.
8	Assistance in core coil Assembly, TG assembly, Tanking & cover mounting of Choke unit.
9	Assistance in processing, oil filling, painting & pinking of Choke unit.
10	Assistance in Lifting , cleaning ,dismantling ,repairing of failed jobs.
11	Assistance in Handling of lamination during core building of Non power transformer core.
12	Assistance in core coil assembly assembly, tank preparation &tanking of dry type transformers
13	Assistance in painting & pinking of dry type transformers
14	Assistance in shifting handling and cleaning of ESP Transformer, Tank accessories bushing, winding, main core, ACR core
15	Assistance in shifting handling and cleaning of VT tank top chamber, bushing, split core and winding
16	Assistance in shifting handling and cleaning of CT tank top chamber, bushing, split core and winding
17	Assistance in shifting of ring cores from bay-5 to winding section
18	Assistance in shifting of ring cores on machine
19	Assistance in shifting of wound coils to testing area
20	Assistance in loading and unloading of tested coil for final tapping
21	Assistance in shifting of ESP cores from bay-3 to bay-8
22	Assistance in loading and unloading of paper roll on slitting machine
23	Assistance in handling of CT Condenser primary Tube for tapping
24	Assistance in handling of ESP Cable work

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25	Assistance in handling of Manufacturing of Static Ring
26	Assistance in handling of Angle Ring
27	Assistance in handling of ACR Coil Winding
28	Assistance in handling of Dovetail Block Cutting. Arranging Bunching Bundling & Gumming

- 3) **Scope of work:** The contractor shall be responsible for following specified work in Central Dispatch Cell Department.

Sr.	Brief Description of Activity
1	Receiving, Checking & Punching of Transporters & Contractors Bills. Typing of various approvals, tender documents, letters etc. Scanning of various official documents and preparation of e-files.
2	Preparation of Dispatch documents like DAN, e-way bill, gate pass. Arranging consumables from Stores.
3	Receiving of material from Production department & Shifting of received material (unpacked/loose) from Production shop / Stores to CDC.
4	Shifting of packed/ dispatchable boxes from Packing / Storage area to loading area. Loading of material like Power transformers & its accessories etc., Special Transformers, DESL spares etc. on suitable vehicle.
5	Cleaning Office furniture, computers etc., Serving Water / Tea & Dak distribution. Photocopying of bills & other dispatch documents.

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Annexure 02

### SPECIAL TERMS AND CONDITIONS

- 1) **Taxes and Duties:** GST shall be applicable @18 % of total contract value. In case of credit is not available as denied by GST portal due to improper documentation of wrong uploading of data by bidder, the same will be recovered from the bidder along with interest, if any.
- 2) **Payment Terms:** Contractor shall submit the bill to executing department based on biometric attendance on or before 10th day of month. The bill shall be paid within 30 days from the last date of billing period (Wage month) or 15 days from the date of Invoice whichever is later subject to submission of complete documents as per GTC clause no X(6), page 11/14.
- 3) **LD/Penalty Clause:** As per the latest GTC at the time of floating of tender
- 4) **PVC/ORC:** Shall be as per GTC clause no V(B), page 4/14.
- 5) **Bonus Clause:** Bonus clause: The contractor shall be liable to pay statutory bonus under payment of Bonus Act, 1965 and submit proof of disbursement along with received copy of Form - D to L.E.O Office. BHEL will reimburse the bonus paid to the workers by contractor within 30 days from the date of Bill. The reimbursement will be done separately not more than two times during a calendar year.
- 6) RA shall be conducted among the techno-commercially qualified bidders.
  - a. **Splitting of Contract** Splitting of Contract: Splitting shall be on 4 bidders. If L1 rates are accepted by the L2, L3, L4, bidders in following manner
    - i) L1: 60 no USW, L2:50 no USW, L3: 30 no USW, L4: 14 no USW  
In case 4 bidders are not available then the splitting will be on 3 bidders if L1 rates are accepted by the L2, L3 bidders in following manner
    - ii) L1: 110 no USW, L2: 30 no USW, L3: 14 no USW  
In case 3 bidders are not available then splitting will be on 2 bidders if L1 rates are accepted by the L2 bidders in following manner
    - iii) L1: 110 no USW, L2: 44 no USW  
In case L1 rate is not acceptable L2, L3, L4.... then 100% ordering will be done on L1 bidder.
- 7) No relaxation in PQR for MSE vendor, however benefit to MSE vendor shall be available as per the attached annexure "XII".

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Annexure 03

### Qualifying Requirement

S.No	NIT Terms	
1	Name of Work	Labour Supply Contract in TRM power and Non-Power Department for one-year period
2	<b>Annual Turnover</b>	
2a	Annual Turnover: The average annual financial turnover in the past 3 years, ending 31st March 2022, should be at least Rs.31.50 Lakhs, wherein the bidder(s) has to attach audited balance sheet, Profit & Loss Account of last three financial years, ending 31st March 2022, or Certificate of CA certifying the turnover. If turn over details of 3 years are not available, then available years turnover shall be evaluated by dividing it by 3.	
3	Experience: Experience of having successfully completed similar works* (defined below) in past 7 years, ending last day of the month previous to the one in which tender are invited should be either of the following:	
3a	Three similar completed works each costing not less than	Rs 41.99 Lakhs
3b	Two similar completed works each costing not less than	Rs 52.49 Lakhs
3c	One similar completed works, each costing not less than	Rs 83.99 Lakhs
3d	In case of experience in Government Organization/ PSU/ Semi- Government, following documents must be attached: i) Copy of Work order/ Purchase Order. ii) Copy of Work Completion Certificate. In case of experience in Private Sector, following documents must be attached: i) Copy of Work order/ Purchase Order. ii) Copy of Work Completion Certificate. iii) TDS Certificate  * Similar Work: Any service or works contract for manufacturing of requisite value in any PSU / CPSU / State govt. / Central Govt./ Private sector involving manufacturing/assistance in manufacturing of electrical equipment.	

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**Annexure-04**

<b>S.No</b>	<b>Other required documents</b>
1	Contractor Should have PAN number.
2	Contractor Should have GST (PAN based)
3	Bidders are required to submit a self-declaration on their letter head as per the Format enclosed in Annexure V.
4	The bidder should submit the required documents for the proof of their firm as legal entity under whose name and style Contractor has participated in the tender as given below: i. Partnership Firm: Partnership Deed registered at the office of Registrar of Firms. ii. Company: Certified copy of Memorandum of Association, Article of Association and Incorporation Certificate. iii. Society: Registration certificate issued by Registrar of societies. iv. Sole Proprietor-ship Firm: Profession Tax Regn./ Municipal Regn/ PAN of Firm (Proprietor) along with Self declaration on Letter head.
5	Declaration by bidder w.r.t sister firms

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Annexure 05

**PROFORMA FOR SUBMITTING TECHNICAL BID**

1	Name of the firm <b>(Essential)</b>	
2	Address and Contact Numbers <b>(Essential)</b>	
3	Name of the Proprietor <b>(Essential)</b>	
4	Registration Number of the Firm (If Applicable) <b>(Essential)</b>	
	Copy of the Certificate	Enclosed / Not Enclosed
5	Proprietorship/ partnership deed	
6	PAN/TAN Number <b>(Essential)</b>	
7	GST Number (PAN Based) <b>(Essential)</b>	
8	Copy of PF registration	PF no-
9	Copy of ESI Registration	ESI No-
10	Experience Certificate (Along with balance sheet & profit and loss account/ turnover certificate issued by CA) <b>(Essential)</b>	Enclosed / Not Enclosed
11	Earnest Money Deposit <b>(Essential, if applicable)</b>	
	Receipt No. & Date	
	Electronic fund Transfer no. (Bank)	
12	Validity of offer	120 days from the date opening of technical bid
13	Blank Price bid <b>(Essential)</b>	Enclosed / Not Enclosed
14	Valid E-Mail Id <b>(Essential)</b>	
15	Participation in RA	YES / NO

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16	Copy of turn over for last three year <b>(Essential)</b> (refer Qualifying requirement) i. 2019-20 ii. 2020-21 iii. 2021-22	Submitted/ Not submitted
17	Work Experience (refer Qualifying requirement) <b>(Essential)</b> i. Work order ii. Completion Certificate iii. Relevant TDS/TRACES (in case of Experience in private sector)	Submitted/ Not submitted
18	Copy of Income Tax return i. F.Y 2019-20 ii. F.Y 2020-21 iii. F Y 2021-22	Submitted/ Not submitted
19	Acceptance of Scope of work, Special terms and conditions & General Terms & conditions Signature on all pages without deviation by bidder	YES / NO
20	Submission of Security Deposit after issue of LOI and before award of Work Order to contractor.	YES / NO
21	Self declaration as per as per Annexure V on Rs 100 stamp paper	Submitted/ Not submitted

**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)