



Golden Jubilee



E2400007

Bharat Heavy Electricals Limited

(A Govt of India Undertaking)

Materials Management Department

Jhansi 284120

Tel: 0510-2412317,

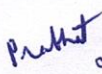
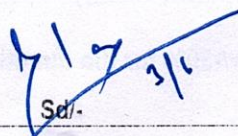
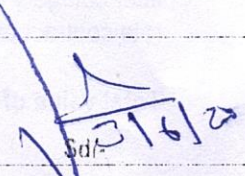
e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Tender Enquiry No: E2400007TENDER DOCUMENT FOR RATE CONTRACT

OF PRESSED STEEL RADIATORS ASSY OF CR STEEL SHEET
FOR
POWER TRANSFORMER
ON FINISH BASIS

C O N T E N T S

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 Sd/- 03/06/20	 Sd/- 3/6	 Sd/- 3/6/20
Prepared by	Checked by	Approved by
P.K.Priyadarshi Sr P.O (MM)	S.Zaman, DGM (MM)	P.Rawat, GM (MM & CDC)

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049

Page 1 of 35

Quantities covered by the Rate Contract.

Annexure - I

Two years requirement for Pressed Steel Radiators assy shall be as under:-

Sl. No.	Description	Qty. (Nos.)
1	Radiator 9 flute – 24 flute Pressed steel (rippled) radiators to size 520 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300010 rev. 9F Thick – 1mm	2600
2	Radiator 9 flute – 24 flute Pressed steel (rippled) radiators to size 520 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300010 rev. 9F Thick – 1.2 mm	1200
3	Radiator 5 flute Pressed steel (rippled) radiators to size 380 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300007 rev. 19B Thick – 1mm	250
4	Radiator 5 flute Pressed steel (rippled) radiators to size 380 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300007 rev. 19B Thick – 1.2 mm	250

The above-cited requirement of Radiators Assy. is tentative & overall quantity may vary upto **+/-30%** tolerance depending upon BHEL's order book position and production requirement. Further, there may be inter category quantity variation also, depending on actual orders to be executed during the currency of the rate contract and this shall be controlled by the total value of the rate contract on the specified vendor.

Total value of R/C will be +/-30% for the quantities detailed above.

Name & Signature of Authorized Representative of Bidder

.....

Name of Company.....

Date:

(Seal of the Company).

Seal and sign of Bidder

Annexure - IA

PQR for 421691257 PI

Annexure - III

Pre-Qualifying Requirement for Procurement of Transformer Radiator- E.....

Sl. No.	REQUIREMENT	Bidder's Response										
1	Bidders should be the Manufacturer of Transformer Radiator. Bidders to provide Self Undertaking on their Letter Head that they are capable of executing the job under captioned enquiry.	☐ Yes ☐ Submitted										
2A	Annual average financial turnover in past three financial years ending on 31 st March of previous financial year, where in bidder(s) attach copy of balance sheet including profit and loss statement of last three financial years, audited by CA. In the case of balance sheet of last financial year is not yet audited, the un-audited balance sheet of last financial can be enclosed along with certificate of CA. <table border="1"> <thead> <tr> <th>FY→</th> <th>2017-18</th> <th>2018-19</th> <th>2019-20</th> <th>Average Turnover</th> </tr> </thead> <tbody> <tr> <td>T/O →</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> For qualifying, the average financial Turnover should be minimum Rs10500000 for non- MSEs and Rs4500000 for MSEs.	FY→	2017-18	2018-19	2019-20	Average Turnover	T/O →					☐ Yes ☐ Submitted
FY→	2017-18	2018-19	2019-20	Average Turnover								
T/O →												
2B	Net Worth shall be positive.	☐ Yes										

[Signature]
30.04.2020

[Signature]
30/04

Seal and sign of Bidder

Annexure - IA

PQR for 421691257 PI

3 EXPERIENCE:-

Bidders should have experience of having supplied "Transformer Radiator" (henceforth called "Goods") Generation / Transmission Companies/ Power Transformer Users or Transformer Manufacturers.

The Customer should be any of the following in the last three years.

1. PSU- State/ Central Govt.
2. Government - State/ Central
3. BHEL /ABB / Siemens / Mitsubishi Electric / Toshiba / TBEA / Alstom / Crompton Greaves / Bharat Bijlee / TELK / EMCO / T & R / Voltamp Trfr / Imp Power / Vijay Electrical / Technical Associates / Schneider Electric / Andrew Yule / Skipper Ltd./ High Volt.

The bidders have to provide minimum two orders executed in the last three years, supplied one month prior to date of issue of tender. Orders.

Minimum Quantum- Should have supplied

(a) for non-MSEs

- (1) minimum 430 Nos/Sets/ etc of "Goods" OR
- (2) Goods of worth Rs 50 Lakhs.

(b) for MSEs

- (1) minimum 301 Nos/Sets/ etc of "Goods" OR
- (2) Goods of worth Rs 35 Lakhs.

The bidders have to provide minimum two orders executed in the last three years, supplied one month prior to date of issue of tender.

Vendor to submit details of executed PO.

Customer Name	Order No. & Date	Qty. supplied in UM	Order, Tax Invoice No., TC No. & Date	Remark, if any

As an evidence of the above information, the bidder to attach the documentary proof as below: -

Supplies made to	Documentary Proof to be attached
BHEL, Unit(s)	Purchase Order Copies to be submitted
Other PSUs / Govt Undertakings	1) Purchase Order issued by Customer 2) Test certificates of any one lot to be submitted. 3) Copy of Performance Certificate or Tax Invoices.
Private Sector	1) Purchase Order issued by Customer 2) Test certificates of any one lot to be submitted. 3) Copy of Tax Invoices.

☐ Yes

PI tick ✓ as applicable

☐ BHEL Units

☐ Other PSUs / Govt Undertakings

☐ Private Sector

☐ Submitted

PI tick ✓ as applicable

☐ BHEL Units

☐ Other PSUs / Govt Undertakings

☐ Private Sector

Annexure - IA

PQR for 421691257 PI

4	New vendors who are not registered with BHEL, Jhansi should submit duly filled "Supplier Registration Form (SRF)" along with the requested documents. The SRF is available on line on our website www.bhel.com .	☐ Document Submitted
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- We agree that our bid is liable to be rejected in case (a) the relevant information is not filled, (b) documentation is incomplete, (c) there are false declarations, and (d) if we do not meet the PQR.
- Criteria at Sl. No. 4 is desirable. Other are mandatory.
- Supporting documents for the details filled above have been submitted.

(Signature of the Supplier with Name, Designation & Seal)

[Signature]
30.04.2020

[Signature]
(एन.एन.एन. रामन)
(N. N. RAMAN)
अपर महाप्रबन्धक (टी.ओ.आर.ई.ओ.)
Addl. General Manager (TRE)
बी.एच.ई.एल., जोशी
B.H.E.L., JHANSI

[Signature]
30.04.

Seal and sign of Bidder



Bharat Heavy Electricals Limited

(A Govt of India Undertaking)

Materials Management Department

Jhansi 284120

Tel: 0510-2412317,

e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Annexure - II

INSTRUCTIONS FOR SUBMISSION OF TENDER

1. The offers against the enquiry shall be submitted in two parts. The first part called Techno-commercial bid i.e. Part - A shall be un-priced and will be submitted in line with Annexure I to IX. The second part called Price-Bid i.e. Part-B shall be submitted in the format given in Annexure-X.
2. The vendors shall submit Part-A and Part-B of their bids in two different sealed envelopes duly super-scribing Enquiry No. and Part No. of the bid. These two parts of the bid shall be kept together in a third envelope super-scribing Enquiry No., due date and time of opening as indicated in the tender document.
3. Part-A of the bid alone shall be opened on the due date in presence of the tenderers in the first instance. Part B of the bid shall be opened only for such of the tenderers whose Techno-Commercial offers are found acceptable by BHEL. Tenderers must carefully go through all the instructions and conditions before filling in Part B of the bid. Any type of mistake in submission of the bids will make the tender liable for rejection.
4. The bids shall be submitted only in the format given in the tender documents. It may be noted that each page of the tender document has been signed by BHEL. While submitting the bid, these every pages are to be used in original. The tenderer is also required to sign and stamp each and every page of the tender document clearly bring out deviations, if any.
5. Tenders not complying with the above and other requirements of the tender shall be liable for rejection.
6. It must be clearly understood that the order concluded pursuant to this tender enquiry shall be governed by the General terms & conditions JHS 2055A rev 03 of the contract which are available on our website
7. No over-writing in any of the Annexures of Part-A or Part-B is permitted. Corrections in the bid should normally be avoided. However, when these become essential, bidder shall score out the incorrect information and put the correct information duly endorsing each correction with his signatures.

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049



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Jhansi 284120

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e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Annexure - II

- 8 BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/contractors (as available on www.bhel.com). RA Terms & Conditions are attached as annexure VIII.

We confirm above instructions have been fully understood and the price bid has been submitted exactly in line with format at calculation sheet without addition of any other terms & conditions and if the price bid is found to be conditional (e.g. minimum order, quantity, slab rate, discount for quantity, different terms & pay etc.), BHEL has full right not to accept our offer.

Name & Signature of Authorized Rep. Of Bidder

.....

Mob No.:

Name of Company.....

Date:

(Seal of the Company)

Seal and sign of Bidder



Bharat Heavy Electricals Limited

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Materials Management Department

Jhansi 284120

Tel: 0510-2412317,

e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Annexure - III

SALIENT TECHNICAL REQUIREMENTS

1. SCOPE OF WORK:

The scope of work covered in this enquiry is supply of pressed steel radiators assembly of 1.00 and 1.2 mm CRCA (Cold Rolled Continuously annealed) sheet of grade D of IS:513 & 513A and generally as per BHEL Drawings for radiator assembly & Specification on finish basis.

The radiators are to be sand blasted as per IS:6501-1 / grade SA 2.5 of ISO 8501 before painting.

For welding radiating elements, seam welding conforming to IS:1261 shall be employed.

Individual Purchase Order shall be placed to Vendors whom this Frame Work agreement is finalized. Material shall be dispatched directly to BHEL Jhansi/ respective Sites as mentioned in Purchase Order.

Seal and sign of Bidder

Annexure - III

TR 15077R		PRODUCT STANDARD TRANSFORMER	TR 15077R
		PAGE 1 OF 2	
TITLE <u>Salient Technical Requirements for Radiators:</u>			
1.0 SCOPE OF WORK: The scope of work covered in this enquiry is supply of pressed steel radiators assembly of 1.00 and 1.25 mm CRCA (Cold rolled continuously annealed) sheet conforming to grade D of IS: 513 & IS 513A and generally as per BHEL Drawings for radiator assembly & Specification on finish basis. The radiators are to be sand blasted as per IS: 6501-1/ grade SA 2.5 of ISO 8501 before painting/ galvanizing. For welding radiating elements, seam welding conforming to IS: 1261 shall be employed.			
2.0 Surface preparation & Painting:			
2.1: Cleaning: External surface including weld & flux to be thoroughly cleaned, followed by a coat of chemical agent for derusting, degreasing and phosphating, leaving the surface uniform with a micro-crystalline coat of iron phosphate. Internal surface to be thoroughly cleaned, followed by a coat of chemical agent for derusting, degreasing and phosphating, leaving the surface uniform with a micro-crystalline coat of iron phosphate. To ensure the proper surface preparation, peel-off test will be conducted on the painted surface.			
2.2: Painting: After cleaning, internal surface shall be flush coated with phenolic based varnish conforming to class A of IS: 350 and compatible with transformer oil at a temp of 105 deg C, thinned to a viscosity level allowing for 15 sec flow in a FORD-4 Cup Viscometer. External Surface: As required in the PO (Thickness of paint shall be from 70 to 80 microns).			
3.0 COOLING SYSTEM: The radiating elements (Cooling fins) shall be 55 mm apart. The start and end-up of the flutes in an element shall be atleast 65 mm from top and 65 mm before bottom respectively. Weld should be leak proof all around.			
4.0 TESTING:			
4.1: Visual Check 4.2: Dimensional Check 4.2(a): Diagonality check			
TR	PAGE 1 OF 2	APPROVED BY: S.N. BARIK PREP. BY: V. N. J. ISSUED BY: R.K. MEENA DATE: 7-3-2013	

Seal and sign of Bidder

Annexure - III

TR PAGE 2 OF 2	COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.	TR 15077R	PRODUCT STANDARD TRANSFORMER	TR 15077R PAGE 2 OF 2					
Salient Technical Requirements for Radiators:									
4.2(b): Straightness check 4.3 (a): Thickness of CRCA sheet (b) Flange thickness (c) PCD & hole size (d) Pipe/header 4.4: Peel off test on each radiator: Paint adherence, thickness and shade. 4.5: Routine Test: All radiators shall be pressure tested individually for leak proofness, under water at an air pressure of 2 kg/cm² for a minimum period of 30 minutes. Manufacturer shall furnish test certificate for routine test. 4.6: Type test: Radiators of each size and order shall be type tested to withstand a vacuum of 5 mm Hg absolute for one hour. Permanent deflection measured at the centre of section shall not exceed + 0.5 mm. Radiators of each size and order shall be type tested for leak proofness against transformer oil, maintained at a temperature of 105 deg. C and pressure of 1 kg/cm² for 12 hours. 5.0: INSPECTION: Radiators shall be inspected by representatives of BHEL/Third party inspection agency/Customer with respect to the approved drawings. 6.0: PACKING AND MARKING: End plate of each radiator shall be embossed with manufacturer's name/ trade mark and punched with customer reference and manufacturer's serial number. The proper identification mark i.e. material code, PO no. and supplier name shall be mentioned on header's pipe as well as wooden crate packing with black paint. For shipment of radiators refer typical packing arrangement generally to drawing no. 24994300023. The header pipe shall be closed with plastic caps. Packing should be robust such to avoid transit/storage damages. Not more than three radiators be packed in a wooden crate.									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; vertical-align: bottom;"> VISHAL S. VINOD J. </td> <td style="width: 30%; vertical-align: bottom;"> PARADKAR P. R.K. MEENA </td> <td style="width: 10%; text-align: center; vertical-align: middle;">DIST.</td> <td style="width: 20%; vertical-align: bottom;"> TRP/COX/BAYS TRP/BAYS </td> <td style="width: 10%; vertical-align: bottom;"> APPROVED BY S.N. BARIK PREPD. ISSUED DATE TESTED 7-3-2013 </td> </tr> </table>					 VISHAL S. VINOD J.	 PARADKAR P. R.K. MEENA	DIST.	TRP/COX/BAYS TRP/BAYS	APPROVED BY S.N. BARIK PREPD. ISSUED DATE TESTED 7-3-2013
 VISHAL S. VINOD J.	 PARADKAR P. R.K. MEENA	DIST.	TRP/COX/BAYS TRP/BAYS	APPROVED BY S.N. BARIK PREPD. ISSUED DATE TESTED 7-3-2013					

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049

Annexure - IV

COMMERCIAL TERMS & CONDITIONS

1. Rates to be quoted for black condition & without painted radiators on per 100 millimeter and per element basis considering valve centers. Our standard valve centers are from 1200mm to 3500mm. However over 90% of the total requirement shall be for valve centre of 2400 mm & 3000 mm length.
2. **PRICING TERMS** - Rate should be quoted on **Ex-Works** basis. Radiators to be dispatched to the site directly (MTS basis) or to be called in BHEL, Jhansi.
 - (A) The freight, insurance and octroi (if any) shall be on bidder's account. However BHEL will pay the Freight charges (including insurance) as per BHEL Freight Rate contract. BHEL freight Rate Contract is on Rs/MT-KM, and the rate is updated every month based on the Diesel prices. Present BHEL Freight Rates (as on 31.03.20.) are as below

Sl No.	Transport Type	Maximum Radiators per vehicle	Rate Rs / MT-KM
1	19 Feet Truck (7MT)	4	5.10
2	22 Feet Truck (15MT)	8	3.84
3	40 Feet Trailer (22MT)	12	3.62

- (B) The distance for freight calculation shall be calculated based on minimum distance as per Google MAP. In case of any discrepancy, the distance given by BHEL Central Dispatch Cell shall be final.
- (C) FTL load (i.e. Full Truck/Trailer Loading capacity) weight shall be used for Calculation purpose for each LR.
- (D) Vendors can dispatch a radiators lot through any combination of vehicles but **Freight Charges will be paid for the most economical combination of vehicles required for transporting a lot.** BHEL freight rate applicable as on date of issue of LR shall be taken for calculation of freight.

Sample for selection of Most Economical Combination of vehicles for different lot size

Lot Size (Nos)	Vehicles Required		
	22 MT, 40 Feet, Trailer	15 MT, 22 Feet Truck	7 MT, 19 Feet Truck
40	3	0	1
32	2	1	0
30	2	1	0
20	1	1	0
Less than 5	0	0	1

Seal and sign of Bidder

3. PAINTING CHARGES

(A) **Extra charges** for paint on above basic rates shall be given by BHEL as fixed %age of basic rates (in black condition) as specified below.:-

SI No.	Paint Type	%
(i)	Synthetic Enamel Painting :	Painting shall be done as per TR 10005P SI. No. 7 Extra charges as %age of basic rates shall be @8.16%
(ii)	Epoxy Painting	Painting shall be done as per TR 10005P SI no. 15 Extra charges as %age of basic rates shall be @11.31%
(iii)	Poly urethane painting	Painting shall be done as per TR 10005P SI no. 20 or 22 Extra charges as %age of basic rates shall be @13.26%
(iv)	Extra Thickness of paint	In a few cases the radiators painting film thickness required is over and above minimum 100 /120 microns. The rates in %age of basic radiator cost for every 30 micron increase in paint thickness over & above the above specified thickness the charges shall be paid extra as under:- a. Synthetic painting @3.07% b. Epoxy painting @4.25% c. Poly urethane painting @6.12%
(v)	Export Packing	Sea worthy packing the charges shall be @7.02% .

(B) Inside painting of radiators shall be as SI no. 2.2 of TR 15077R

TR 10005 P		उत्पाद मानक परिणामित्र आप / अभि. निर्देश		PRODUCT STANDARD TRANSFORMER SHOP / ENGG. INSTRUCTIONS		TR 10005 P													
Form no. 3038		6 पृष्ठों में 3		PAGE 3 OF 6															
1	SR NO	2	PARTS	3	SUR. FACE	4	PAINT	5	NO. OF COATS	6	HOW APPLIED	7	PAINT SPEC.	8	DRY PAINT FILM THICKNESS	9	PROCESS SPEC.	10	REMARKS
10		MARSHALLING ROOM MISC.	IN SIDE		ANTICORROSIVE PRIMER PAINT NON YELLOWING EPOXY GLOSSY WHITE PAINT		2	2	SPRAY OR BRUSH	40 Min 40 Min 80 Min	TR10211P								
11		MARSHALLING BOX / KIOSK AIR FILLED CABLE BOX	OUT SIDE		SAME AS IN SL NO 4		2	2	SPRAY OR BRUSH	40 Min 40 Min 80 Min	TR10211P								
12		PANELS MOUNTED INSIDE M BOX/KIOSK	IN SIDE		ANTICORROSIVE PRIMER PAINT WHITE ANTI CONDENSATION PAINT		2	2	SPRAY OR BRUSH	40 Min 40 Min 80 Min	TR10211P								
13		MARSHALLING BOX / KIOSK PARTS INCLUDING PANELS EXPOSED TO CHLORINE CONTAMINATED ATMOSPHERE	OUT SIDE		SAME AS IN SL NO 4		2	2	SPRAY OR BRUSH	40 Min 40 Min 80 Min	TR10211P								
14		NON FERROUS PARTS EXPOSED TO CHLORINE CONTAMINATED ATMOSPHERE	OUT SIDE		SELF ETCH PRIMER ANTICORROSIVE PRIMER RESISTANT EPOXY PRIMER PAINT		1	1	SPRAY OR BRUSH	5 Min 25 Min	TR10209P								
15		INDUCTIONS (EPOXY PAINTING)	OUT SIDE		SAME AS IN SL NO 1		2	2	SPRAY OR BRUSH	50 Min 50 Min 100 Min	TR10209P								

Rev. 180
Date: 13/2/18
Rev. 188
Date: 26/11/16

वितरण
DISTRIBUTION
JRE/TRM/FTM
TRX/ITG
QC-FCB/QA-TCH
JHANSI

मं. प्रीकृत किया :
APPROVED : sd/SRR, sd/SNA
जारी किया : ISSUED :
योजना मालक / TRE STD.
नियंत्रण किया : PREPD. :
SD/-SJ

दिनांक : DATE :
23-03-1986

5.

Seal and sign of Bidder

TR 10005 P		उत्पाद मानक परिणामित्र शॉप / अंगी. निर्देश		PRODUCT STANDARD TRANSFORMER SHOP / ENGG. INSTRUCTIONS		TR 10005 P													
Form no.2038						6 पृष्ठों में 4 PAGE 4 OF 6													
1	SR NO	2	PARTS	3	SUR. FACE	4	PAINT	5	NO. OF COATS	6	HOW APPLIED	7	PAINT SPEC	8	DRY PAINT FILM THK MICRON	9	PROCESS SPEC	10	REMARKS
16		I. TRANSFORMER TOP TANK COVER, TOP TANK BOTTOM TANK II. TURBINES COVERS, CONSERVATOR HEADERS	IN SIDE	CHEMICAL & THERMAL RESISTANT EPOXY WHITE SHADE	2	SPRAY OR BRUSH	UP56179	50 Min	TR10200P										
17		END FRAME, CLAMP PLATE, CROSS BEAM, T.G. & T.C. BRACKETS, OTHER STEEL PARTS GOING INSIDE TRANS TANK	OUT SIDE	CHEMICAL & THERMAL RESISTANT EPOXY WHITE SHADE	2	SPRAY OR BRUSH	AA56105 BP56179	50 Min. TOTAL DFT 100 Min	TR10200P										
18		TRANS TANK COVER, TURBINES, INSP. COVER, CON. RAD. HEADERS RELIEF VALV. CABLE BOXES, P.W. A-FRAME MARSHALLING BOX ETC	IN SIDE	OIL RESISTANT FULL GLOSSY EPOXY WHITE PAINT.	2	SPRAY OR BRUSH	BP 56179	TOTAL DFT 40 Min	TR10211P										
19		RADIATORS (ALUMINIUM PAINTING)	OUT SIDE	ANTI CORROSIVE PRIMING PAINT	2	FLOODING SPRAY OR BRUSH	AA56101 AA56126	40 Min. TOTAL DFT 80 Min	TR10200P										

188
13/12/18
188
26/11/18

वितरण
DISTRIBUTION

TRE/TRE/IM TM
TRX/TTG
QC-TCB/QA-TCB
JHANSI

स्वीकृत किया :
APPROVED : sd/SRR, sd/SNA

जाग किया : ISSUED :
रीआयर्स प्लॉक : TRE STD.

नैयार किया : PREPD :
SD/-SJ

दिनांक : DATE :
23-03-1986

TR 10005 P		उत्पाद मानक परिणामित		PRODUCT STANDARD TRANSFORMER		TR 10005 P	
Page no. 2038		शाय / अयि. निर्देश		SHOP / ENGG. INSTRUCTIONS		6 पृष्ठों में 3 PAGE 5 OF 6	

SR NO	PARTS	SUR FACE	PAINT	NO OF COATS	HOW APPLIED	PAINT SPEC.	DRY PAINT FILM TH. MICRON	PROCESS SPEC.	REMARKS
20	TRANSFORMER TANK & COVER, TOP & BOT. TANK IN TURRETS INSPECTIONS COVERS, CONSERVATOR HEADERS, A-FRAMES, PW ETC. END FRAME, CLAMP PLATE, CROSS BE, A.T.G. & I.C. BRACKETS, OTHER STEEL PARTS GOING INSIDE TRANS TANK RADIATOR	IN SIDE OUT SIDE	CHEMICAL & THERMAL RESISTANT EPOXY WHITE PAINT CHEMICAL & THERMAL RESISTANT EPOXY ZINC PHOSPHATE PRIMER & POLYURETHANE FINISHING PAINT CHEMICAL & THERMAL RESISTANT EPOXY WHITE PAINT FLUSHED WITH VARNISH CHEMICAL & THERMAL RESISTANT EPOXY ZINC PHOSPHATE PRIMER & POLYURETHANE FINISHING PAINT.	1 1 1 1	SPRAY OR BRUSH SPRAY OR BRUSH SPRAY OR BRUSH SPRAY OR BRUSH	TRE/168 TRE/166 TRE/165 TRE/168	TOTAL DFT 50 Min 50 Min 50 Min TOTAL DFT 100 Min	TR-0266P	POLYURETHANE PAINTING
21	TRANSFORMER TANK COVER TOP TANK BOT. TANK IN TURRETS INSPECTIONS COVERS, CONSERVATOR HEADERS, A-FRAMES, PW ETC.	IN SIDE OUT SIDE	OIL RESISTANT FULL GLOSSY WHITE PAINT CHEMICAL & THERMAL RESISTANT EPOXY ZINC PHOSPHATE PRIMER & POLYURETHANE FINISHING PAINT	2 1 2 1 OR 2	SPRAY OR BRUSH SPRAY OR BRUSH SPRAY OR BRUSH SPRAY OR BRUSH	BP-56123 AA-56100 AA-56106 AA-56142	40 Min 50 Min 50 Min TOTAL DFT 100 Min	TR-10211P TR-10238P	

18C दिनांक Date 13/3/18 18B दिनांक Date 26/11/16	विभाग DISTRIBUTION TRX/TRANS/TEM TRX-TTG QC-TCB-QA-TCB JHANSI	मं. APPROVED : sd/S.R. sd/SNA जाँ किया : IS JED : टीअरु मानक : RE STD. रवार किया : REPD : SD-SJ	दिनांक : DATE : 23-03-1986
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Bharat Heavy Electricals Limited

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Materials Management Department

Jhansi 284120

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4. **Flange cost** – shall be inclusive in the basic cost.
5. **Packing and Forwarding** – shall be inclusive in the basic cost.
6. Total requirement of pressed steel radiators shall be as per Annexure-I $\pm 30\%$ for rate contract period. The requirement is tentative and may vary depending upon BHEL order booking position and our production requirement.
7. **Validity of Rate Contract** - Quoted/ settled rate shall be valid for ordering up to 24 months from the date of award of rate contract letter and 27 months for supplies. The rate contract may be extended for 1 year on satisfactory performance by vendors, subject to mutual consent.
Order will be placed on vendor against this R/C as and when the requirement comes.
8. **Manufacturing capacity** – Bidder should indicate the manufacturing capacity of the works, radiators/ month and also tentative capacity (radiators / month) available for BHEL, Jhansi against this tender.
9. **Bid Evaluation** - The bid shall be evaluated on Ex-Works basis (-Net of ITC-). Bidders may note that quoted rates shall be loaded for any deviation from the terms & conditions given in this enquiry, to arrive at landed cost net of ITC rate.
10. **Price Variation:** Price Variation claim shall be allowed over the quoted base price as under.
 - (a) For every 1 Rupee / Kg. Increase/decrease in JPC basic price (exclusive GST) of 1mm thick CR coils. The basic radiator cost will increase/decrease by Rs. 1.00/Kg of design weight of the Radiator as given in our drawings / PO. If radiator element weight is 100 Kg. and there is price increase of Rs. 1/Kg. of 1mm CR coils, radiator element price would Increase by Rs. 100.- (i.e. 100 Kg x 1.00).
 - (b) The basic rates quoted as per Annexure-VII shall be based on the JPC price (Retail) of Rs. 50.72 /Kg. (Delhi base price including GST) as on 02.03.20 **for 1 mm CR Coils**. The JPC circular can be obtained from JPC at Kolkata for getting change in price of 1- mm thick CR coils & to raise bills based on PVC claim. As the displayed price includes the GST therefore the GST shall be subtracted from the rate as applicable from time to time, JPC price excluding GST is **Rs. 42.98** as on 02.03.20. The existing rate of GST is 18% (Delhi base price).
 - (c) JPC price of 1- mm tk. CR coils applicable for one month prior of actual delivery month or PO delivery month whichever is lower shall be considered for PVC claim, For example, if radiator is supplied in AUG-19 and PO delivery is SEP-19, JPC price applicable for the month of JUL-19 or AUG-19 whichever is lower shall be taken for PVC claim. This clause shall not be applicable for cases where supplier prepones dispatches on request of BHEL. BHEL will give mail to supplier for pre-ponement. In such cases, PVC shall be given as per JPC Price applicable for one month prior to actual delivery (e.g Jul'19).
 - (d) The JPC price declared on first / second day (first week) of every month in JPC website shall be considered for PVC calculation purpose. Further, price declared subsequently during same calendar month shall not be considered.

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- (e) For the purpose of calculation of PVC, the delivery completion shall be reckoned with date of FOR BHEL Jhansi receipt date.
- (f) Weight / element for PVC purpose shall be as per individual POs.

11. **Manner of Splitting:** Contract shall be established with 'n-1' suppliers (where n is techno-commercially accepted vendors) limited to 04 suppliers for execution of this contract and quantity distribution among L1, L2..... to & L4 would be in the ratio (%) as shown in the below table based on L1 agreed rate. The L1 agreed rate will be counter offered in sequence to L2, L3, L4for acceptance till a total of required vendors are available for finalization of rate contract at L1 agreed rate. In case, less than 04 bidders accept the counteroffer rate, then the Contract distribution will be as per table given below:

No of vendors	L1	L2	L3	L4	Total
1	100				100
2	65	35			100
3	50	33	17		100
4	50	25	15	10	100

12. **% Loading among suppliers** - Percentage loading of radiator may also vary considering delivery performance during execution of rate contract. This is to ensure timely delivery of radiators to meet our turnover requirement.

Radiators for BHEL's customer such as PGCIL, NTPC or others, where approved vendors are specified by them, will be purchased from those vendors only. In those cases BHEL would place purchase orders pertaining to requirement of such contracts on the approved vendors of respective customer only. The percentage ordering on vendors as per the contract may therefore vary depending upon the nature of orders received by BHEL. Further, loading shall be done to supplier who is near to the site when material is to be delivered.

13. **Taxes & Duties** - Taxes & Duties shall be extra as applicable on the date of actual delivery. It may be noted that evaluation of quoted prices shall be done on the basis of landed cost at BHEL, Jhansi which shall be arrived at after loading the prices wherever required. Applicable taxes & duties on the date of offer MUST be mentioned.
14. **Inspection** - Inspection may be done at supplier's works by BHEL CQX/CQ/Third Party/Customer as per BHEL Standard procedure and standard or specific QA Plan.

Third party/customer inspection co-ordination will be done by the supplier through CQX/MM/TRC. Advance notice of 15 days or more, as required by customer is to be given by the supplier.

15. **Material to site (MTS)** -

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(A) In case of MTS PO, the delivery of Radiator shall be based on the readiness of site storage. Manufacturing clearance & Site Address will be given 2 months before the actual requirement at site and PO delivery shall be amended accordingly.

(B) **Unloading of Material:** In case of Material to be unloaded at Project/ Customer site, in most of the cases, the unloading shall be done by BHEL/ Customer. In case, the same is done by the Transporter, the unloading charges as below shall be paid:

Vehicle Category	Truck (7MT)	Truck (15MT)	Trailer (22MT)
Charges per Vehicle	4000	6000	10000

(C) **Detention Charges:** If at unloading point, the vehicle is detained for more than two days excluding day of entry, detention charge shall be paid as below:

Vehicle Category	Truck (7MT)	Truck (15MT)	Trailer (22MT)
Charges per Vehicle/ Day	800	900	2000

Documents such as GPS record duly verified by dealing purchase executive / record of checking 'in' and 'out' at site / BHEL with seal and sign of security / confirmation from site incharge / confirmation from Commercial executive for verification of detention shall be required.

No detention charges, whatsoever, shall be payable if the responsibility for unloading rests with the transporter and the site is ready to receive the goods

16. **Rejection Replacement** - Final inspection for acceptance of quality shall be at BHEL after receipt of material and results shall be binding on the suppliers. In case of rejection due to noncompliance to agreed specification and for the reasons attributable to the Vendor, the materials shall be replaced by vendor free of charge on "PO delivery terms basis" including 'interalia' cost elements such as total transportation, insurance and other taxes/levies etc. as applicable. The rejected goods shall be subsequently returned to the Vendor at his cost.

17. **Levy of Penalty for delayed performance** - Bidders to note that penalty @ 0.5% per week or part thereof subject to 10% maximum on undelivered portion shall be applicable for delay in supply beyond contractual delivery period. Bidders are requested to give specific acceptance for penalty clause.

(A) In case of "FOR BHEL Jhansi delivery terms" Date of receipt of material at BHEL works i.e. DRS date will be considered as proof of delivery for calculating delayed performance / penalty for indigenous bidders.

(B) In case of "MTS delivery terms" Date of receipt of LR duly signed & stamped by Customer/ BHEL will be considered as proof of delivery for calculating delayed performance / penalty for indigenous bidders.

18. Suppliers not registered with Permanent code are required to submit duly filled supplier's Registration form (SRF) along with bid. Bidders can download the SRF from website www.bhel.com.

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19. Offers of the bidders who are delisted or are on the banned list and /or those bidders who engage services of the delisted/banned firms, shall be rejected. The list of firms banned by BHEL is available on BHEL web site www.bhel.com
20. All corrigenda, addenda, amendments, Time extensions, clarifications etc. to the tender will be hosted on BHEL website (www.bhel.com & <https://eprocure.gov.in/cppp/>) only. Bidders responding to press tender should regularly visit website(s) to keep themselves updated.
21. Vendors particulars & logistics information (Bidder to give details against each of the provisions).

Name of the vendor's Executive to deal with this tender/ project	
E- mail Address of the contact person	
Telephone no. of the contact person	
Name of location from where the goods shall be offered for inspection and dispatch	

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Annexure - V

DECLARATION BY BIDDER THAT THE FOLLOWING MANDATORY RESOURCE REQUIREMENTS ARE AVAILABLE WITH THEM

Sl	Requirements
1	We are purchasing raw material – CRCA sheets from registered traders/stockists/dealers/manufacturers.
2	We have facility for profile cutting 1.0mm and 1.2mm thick CRCA sheet to exact profile of radiator.
3	We have facility for manufacture of flutes/corrugations on sheets for Radiator.
4	We have availability of Arc, Gas welding facilities.
5	We have availability of automatic seam welding machine with provision of a. Adjustment of speed of rolling of sheets. b. Adjustment of current. c. Backup power supply
6	We have availability of facility for compressed air and sand/shot blasting
7	We have availability of overhead/jib crane for movement of material/radiators
8	We have availability of in-house facility for conducting all routine and type test of radiator
9	We have Experience, knowledge and in-house capability of carrying out enamel, epoxy, PU, aluminium painting of radiators.
10	We have availability of experienced and trained manpower for drawing reading.
11	We have Capability and availability of Infrastructure to attend to problems/ complaints in radiators at site anywhere in India.

Address of Works	
Name of Contact Person	
Contact no & E mail ID	

We declare that the above mandatory facilities are available at our works. Our offer is liable to be rejected in case the above mandatory requirements are not available at our works / information (wherever called) is not filled. BHEL reserves the right to assess the facilities of bidders at random at any point of time and we agree for penal action from BHEL in case any of the above information furnished by us is found to be false.

Date:

(Signature of Supplier
with Name, Designation and Seal)

Seal and sign of Bidder

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Annexure-VI

INTEGRITY PACT(IP)

1. IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitors (IEMs) have been appointed to oversee implementation of IP in BHEL.

The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

Details of IEM for this tender is furnished below:

1.Name: Shri Arun Chandra Verma, IPS (Retd.)

Email: acverma1@gmail.com

2. Name: Shri Virendra Bahadur Singh , IPS (Retd)

Email: vbsinghips@gmail.com

2. Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the IEM mentioned in the tender.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department

For all clarifications/ issues related to the tender, Please contact:

Name: P.K.Priyadarshi

Deptt: Sr Engineer (Material Management)

Address: BHEL Jhansi

Phone: (Landline/ Mobile): 0510-2412317/2424/ 6386544486, 9415113470

Email: pk.priyadarshi@bhel.in , shams@bhel.in

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INTEGRITY PACT

Annexure - VI

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Sir' Fort, New Delhi - 1 10049 (India) hereinafter referred to as The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART.

And

(description of the party along with address)

.....

.....
hereinafter referred to as The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART'

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

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Annexure - VI

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles :-
- 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material , immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC / PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - 2.1.4 The Bidder(s)/ Contractor(s) will, when presenting his bid , disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor (s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors". framed by the Principal.

Seal and sign of Bidder

Annexure - VI

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders / Contractors / Sub - contractors

- 6.1 The Bidder(s)/ Contractor(s) undertake(s) to obtain from all subcontractors a commitment consistent with this Integrity Pact and report Compliance to the Principal. This commitment shall be taken only from those sub-contractors whose contract value is more than 20 % of Bidder's/ Contractor's contract value with the Principal. The Bidder(s)/ Contractor(s) shall continue to remain responsible for any default by his Sub-contractor(s).
- 6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors / Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)! Contractor (s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality,
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- 8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

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Annexure - VI

- 8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.8 **If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has note, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.**
- 8.9 The number of Independent External Monitor(s) shall be decided by the CMD. BHEL.
- 8.10 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Pact begins and shall be binding on and from the submission of bid(s) by bidder(s). It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded.
- 9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.
- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 **Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.**

For & On behalf of the Principal

For & On behalf of the Bidder / Contractor

(Signature with Office Seal)

(Signature with Office Seal)

Place : _____

Date : _____

Witness 1 : _____

Witness 2 : _____

(Name & Address) : _____

(Name & Address) : _____

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049



ज्वाइन्ट प्लान्ट कमिटी
(भारत सरकार द्वारा गठित)
JOINT PLANT COMMITTEE
(Constituted by Govt. of India)
An ISO 9001 : 2015 Certified Organisation

Annexure - VII

DATE : 05TH MARCH 2020

JPC MARKET PRICE RETAIL AS ON 02-MARCH-2020

Sl. No.	ITEM	Kolkata	Delhi	Mumbai	Chennai
1	PIG IRON	35260	35950	39880	32010
2	BILLETS 100 MM	37110	38940	40080	40830
3	BLOOMS 150X150 MM	37750	38350	38490	42240
4	PENCIL INGOTS	33500	37760	36990	34420
5	WIRE RODS 6 MM	41750	45140	46140	45000
6	WIRE RODS 8 MM	41970	45140	45840	45040
7	ROUNDS 12 MM	41140	45520	46900	45220
8	ROUNDS 16 MM	40760	45500	46530	45220
9	ROUNDS 25 MM	42060	45500	46530	45220
10	TMT 10 MM	43490	48130	44550	44210
11	TMT 12 MM	43210	46520	44700	44010
12	TMT 25 MM	42830	47050	44270	44050
13	ANGLES 50X50X6 MM	45120	47970	48150	48660
14	ANGLES 75X75X6 MM	44320	46790	47720	45570
15	JOISTS 125X70 MM	40300	45070	45380	44560
16	JOISTS 200X100 MM	40430	45070	45310	45350
17	CHANNELS 75X40 MM	41690	43450	44040	42890
18	CHANNELS 150X75 MM	41830	43960	44130	42960
19	PLATES 6 MM	43320	45350	46750	48310
20	PLATES 10 MM	43150	45350	46820	48310
21	PLATES 12 MM	44080	45820	46680	48940
22	PLATES 25 MM	43920	46230	45630	49410
23	H. R. COILS 2.00 MM	45700	46570	47990	49510
24	H. R. COILS 2.50 MM	45060	45430	47490	48230
25	H. R. COILS 3.15 MM	44850	45270	47490	48230
26	C. R. COILS 0.63 MM	51500	52130	55400	56350
27	C. R. COILS 1.00 MM	51000	50720	54910	56350
28	G. P. SHEETS 0.40 MM	63750	63010	61110	58530
29	G. P. SHEETS 0.63 MM	62000	60520	59790	55890
30	G. C. SHEETS 0.40 MM	63250	63310	64090	60480
31	G. C. SHEETS 0.63 MM	62750	61750	64340	61070
32	MELTING SCRAP H M S - I	29670	29580	29680	29700
33	MELTING SCRAP H M S - II	28500	29500	29380	29300
34	SPONGE IRON (COAL BASED)	22330	26790	25840	25090

NOTE: 1) JPC will not be responsible for the outcome of any work done by any party/user of this report based on the data featured in this report. 2) Prices are indicative. 3) Prices are inclusive of GST.

4) All prices are in Rs./Tonne and has been compiled on the basis of average of Main & Others producers' price.

5) All prices are as on day the 2nd of this month. 6) Prices have been rounded up to the nearest ten.

7) For Blooms 150X150MM, prices of secondary producers was not considered.

देवायन राणा
DEBAYAN RANA
उप. प्रबंधक (डीबी एण्ड एस)
DY. MANAGER (DB&AS)
JOINT PLANT COMMITTEE,
Constituted by Govt. of India,
52/1A, Ballygunge Circular Road,
Kolkata-700 019

'ISPAT NIKETAN', 52/1A, Ballygunge Circular Road, Kolkata - 700 019

इस्पत निकेतन, 52/1A, बालीगंज सरकुलर रोड, कोलकाता - 700 019

Phone : 91 (033) 2461-4055/4058/4068 Fax : 2461-4063 E-mail : jpc-wb@nic.in Website : www.jpcindiansteel.nic.in

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049



Bharat Heavy Electricals Limited

(A Govt of India Undertaking)

Materials Management Department

Jhansi 284120

Tel: 0510-2412317,

e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Annexure - VIII

GENERAL TERMS & CONDITIONS OF REVERSE AUCTION

Against this enquiry for the subject item / system with detailed scope of supply as per enquiry specifications, BHEL may resort to **"REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER).**

The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the reverse auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (will be informed later on) before start of Reverse Auction. Without this the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL has provided the calculation sheets (e.g. EXCEL sheets) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties like GST, Freight charges, Insurance, GST for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax / e-mail the duly signed and filled-in prescribed format for price breakup Including that of line items, if required (will provide later on) as provided on case-to-case basis to service provider within two working days of Auction without fail.
11. After RA price bids of L1 bidder shall be opened and order will be placed on lowest of the two rates (RA closing rate and envelope bid).
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the "Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation / cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped / aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

Seal and sign of Bidder

Registered Office: BHEL House, Siri Fort, New Delhi 110049

Annexure - IX

Acceptance to Salient Terms & Conditions of the Enquiry
i.e. Techno-Commercial Bid

SL. NO.	DESCRIPTION	TO BE FILLED-IN BY THE BIDDER
1	Name of the Bidder with Tel. No. / Fax Nos./ E-mail.	
2	Name & Designation of the contact person	
3	Address of the Works	
4	HSTN code	
5.1	Complete acceptance to all terms & conditions of tender enquiry as mentioned in Annexure I to V.	Accepted
5.2	Participation by the bidders in the tender shall be construed as acceptance of the bidder to the GTC JHS2055A-Rev03 uploaded at https://jhs.bhel.com/apps/sip/eng_terms/eng_tems_current.pdf We confirm that we have read the GTC with applicable revision, and accepts the same.	Accepted
5.3	Test Certificate of material used, Routine / Type Test Certificate of Radiators to be furnished by the bidder along with supply as & when required.	Accepted
6	Acceptance for finalization of Price bid part-B through on line bidding (Reverse Auction).	Accepted
7	Guarantee :- Radiators under this tender shall be free from any kind of manufacturing defects and shall be under guarantee for a period of 24 months from the date of dispatch or 18 months from date of commissioning, whichever is early. NOTE: In case of non-acceptance of Guarantee term. There will be 1% per month loading in offer price per month, i.e. if a vendor accepts 18 months of warranty in place of NIT conditions of 24 months' warranty, then loading in offer price will be = (24 months-18 months) x 1% = 6%.	Accepted
8	(a) Delivery period on Ex-Works basis from date of PO issue / Drg approval, whichever is later BHEL reserves the right to reject the offer(s) of such bidders whose quoted / derived delivery period on Ex-works basis is more than 6 weeks including time for inspection.	 Week Accepted
	(b) Supply rate per month exclusively for this tender Note: BHEL monthly requirement is minimum 75 nos. radiators from a vendor. Offers with monthly capacity less than 75 numbers radiators per month shall be rejected.	No./month

Seal and sign of Bidder

Annexure - IX

9A	Taxes & Duties (for Indigenous bidders only):- Extra as applicable	Accepted
	GST	%
9B	Taxes & Duties (for foreign bidders):- All taxes & Duties in their country will be borne by them only and in India, same shall be to BHEL a/c.	Accepted
10	Price Bid submitted as per attached price bid format only (Copy of blank price bid is submitted).	Accepted
11	The extra charges of painting / Export packing as per the clause 3 of Annexure-IV	Accepted
12	Price variation clause shall be as per Clause 10 of Annexure IV.	Accepted
13	While prices are called on Ex-Works basis and evaluation shall be done on Ex works basis. Terms of Delivery shall be on FOR Destination basis (BHEL Jhansi / Site). Freight & Insurance shall in Supplier's scope, which will be paid extra as per Clause 2 of Annexure-IV .	Accepted
	Signed copy of Integrity pact (Annexure VI) attached	Accepted
14	Acceptance for 120 days Validity of offer from date of tender opening.	Accepted
15	Inspection – Material may be source inspected by BHEL / Customer / Third party, as per the drawing mentioned in the PO. In case Customer approved drawing is a mandatory requirement, the same shall be indicated in the order. However, Final inspection for acceptance of quality and quantity shall be done at BHEL's works after receipt of material and results shall be binding on the suppliers Suppliers shall give Inspection call (wherever reqd in PO/ QAP) 15 days in advance.	Accepted
16.1	Payment Terms (For indigenous bidders) 100 % payment within 90 days (45 days for MSE / NSIC registered suppliers as per relevant act in force) from the date of receipt of material at BHEL Jhansi / Site and submission of clear and admissible bill, subject to acceptance of material, on direct presentation of the documents". Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ SBI base rate (as on date of Part I bid opening) + 6%, for the purpose of bid evaluation.	Accepted
16.2	Payment Terms (For Foreign bidders) Our Standard Payment terms is: i. 100% Payment through CAD or ii. 100% payment will be considered by irrevocable and unconfirmed Usance LC with 120 days' interest free credit, to be reckoned from the date of Bill of Lading In case of request for confirmed LC, confirmation charges shall be borne by the vendor	Accepted
17	Liquidated Damage / Penalty - Failure to supply by the time specified in the order will	Accepted

Seal and sign of Bidder

	make the supplier liable to pay unconditional penalty of 1/2% of the price of the goods in arrear (delayed and not supplied) per week or part thereof, subject to a maximum of 10% of the order value unless agreed otherwise.	Annexure - IX
18	<u>Risk Purchase</u> - If the material is not supplied within stipulated delivery indicated in PO, BHEL shall have the option to purchase the material from other sources at the supplier's risk & cost. <u>NOTE:</u> In case of non-acceptance of Risk Purchase clause, loading of 10% shall be done on supplier's quoted rate to derive the L-1 Status. (5% is additional cost incurred for risk purchase & 5% as administrative cost).	Accepted
19	"The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."	Accepted
20	Prices has been quoted in the format given along with enquiry. Offers with price in any other format will be rejected)	Accepted
21	Suppliers have to quote Basic cost of Radiator (in black condition) per element per 100 MM length Valve Center including P & F on Ex-Works basis BHEL will advise the supplier regarding destination i.e. BHEL Jhansi stores / Material to site (MTS) at the time of dispatch. Freight & Insurance Charges shall be paid extra (Refer Clause 2, Annexure-IV).	
22	<u>SAMPLE CALCULATION OF RATE</u> Rate of a Radiator shall be calculated as follows: Let 'A' is the basic cost of Radiator per element per 100 mm valve center. Size of radiator : 520x 24 elements x 3000 VC. Rate of Radiator in black condition : 'A'x24x30 . Paint extra as per Clause 3, Annexure IV, Freight & Insurance Charges shall be paid extra (Refer Clause 2, Annexure-IV). Taxes and duties shall be extra as detailed in above table. We confirm that we have quoted basic rates of Radiator per element per 100 mm VC on Ex-works basis including packing & forwarding.	Accepted

Name & Signature of Authorized Representative of the Bidder

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Name of Company.....

Date:

Seal and sign of Bidder

Annexure - X

PRICE BID, PART - B FOR ENQUIRY NO. E2400007

Supplier Name & Address :

.....

Currency of Quotation (Applicable for Foreign bidders only) :

Item No.	Item Description in brief	Qty (Nos.)	Basic Rate of Radiator per Element per 100 mm valve centre (on Ex-Works basis)
1	Radiator 9 flute – 24 flute Pressed steel (rippled) radiators to size 520 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300010 rev. 9F Thick – 1mm	2600	
2	Radiator 9 flute – 24 flute Pressed steel (rippled) radiators to size 520 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300010 rev. 9F Thick – 1.2 mm	1200	
3	Radiator 5 flute - Pressed steel (rippled) radiators to size 380 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300007 rev. 19B Thick – 1mm	250	
4	Radiator 5 flute - Pressed steel (rippled) radiators to size 380 mm x 1200mm – 3500 mm valve centre & upto 30 elements in accordance with BHEL Drg no. 04994300007 rev. 19B Thick – 1.2 mm	250	

- Note:-**
- 1) By default indigenous bidders' quotation will be in Indian Rupees (INR) and foreign bidders' will be in the currency quoted as above by them.
 - 2) The price bid submitted in any other fashion or by adding any condition (e.g. minimum order quantity, rates applicable for specified quantity, discount for quantity, rate based on slabs, rate based on terms of payment etc.), offer shall be straight way REJECTED even if, offer has been found technically & commercial acceptable before opening of price bid.
 - 3) Freight & insurance will be paid extra as per Annexure –IV, Clause no.2

Name & Signature of Authorized Representative of the Bidder

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Seal and sign of Bidder



Bharat Heavy Electricals Limited

(A Govt of India Undertaking)

Materials Management Department

Jhansi 284120

Tel: 0510-2412317,

e-mail: pk.priyadarshi@bhel.in; shams@bhel.in

Mob No,:

Name of Company.....

Date:

Seal and sign of Bidder