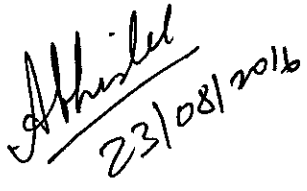
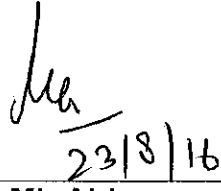
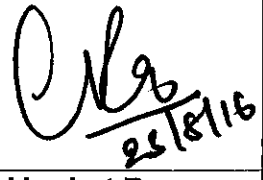
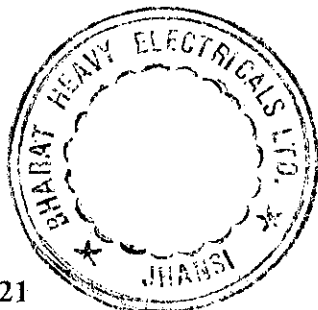


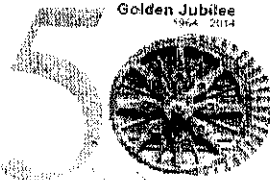
Ref: E3559012

**TENDER DOCUMENT OF RATE CONTRACT FOR TWO YEARS FOR
FABRICATION OF DRY TYPE TRANSFORMER END FRAME AND ROLLER
ASSEMBLY ON FINISH BASIS
Purchase Enquiry No: E3559012**

Index

Sl. No.	Description	Schedule	Page No.
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2	Instruction of Submission of Tender Through E Procurement	Schedule-II	4 to 6
3	Salient Technical Requirements	Schedule-III	7
4	Commercial Terms & Conditions	Schedule-IV	8 to 10
5	General Terms & Conditions	Schedule-V	11 to 12
6	Techno-commercial Bid	Schedule-VI	13 to 17
7	General Terms & Conditions for Reverse Auction (RA) & Price Break-up sheet after RA	Schedule VIII	18 to 19
8	JPC Rate calculation and Circular for JPC Rate for the month of Aug' 2016.	Schedule- IX	20 to 21
 Abhishek Sr. Engineer (MM) Prepared By  ML Ahirwar DGM (MM) Checked By  C. Venkat Rao AGM (MM) Approved By			





Ref: E3559012

Schedule-I**Qualifying Criteria & Quantities Covered by the Rate Contract**

Requirement for Dry Type Transformer End Frame and Roller Assembly for two years is as under:-

Enq. # no.	Item Description	Qty.
1	ROLLER ASSY TO DRG NO- 24993750014 REV 01,E/F ASSY TO DRG 14737050052 REV 00, FOOT ASSY TO DRG- 34737050017 REV-01 & etc DTT. ELECTRO PLATED AS PER I:S 1573.	300 sets / 300.00 MT $\pm$ 30 %
2	ROLLER TO DRG NO 24993750014 REV-01 End Frame TO DRG - 14997050015 REV 15 & FOOT ASSY TO DRG NO- 34737050012/10 etc DTT.HOT DIP GALV.AS PER I:S 4759.	50 sets / 50.00 MT $\pm$ 30 %

Above requirement and tolerance of $\pm$ 30 % is tentative and can vary in any proportion both on positive and negative side depending upon BHEL's requirement and order book position. The quantities of items 1 and 2 may vary in any proportion within overall quantity of both items 1 and 2.

Note: Drawings mentioned herewith are typical, for actual drawings purchase order will be followed.



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Qualification shall be as under:

Only the suppliers who meet the 'Qualifying Requirements (Annexure A to Schedule I)' along with 'Compliance to Mandatory Resource Requirements (Annexure B to Schedule I)' shall be eligible for this tender process. The details in 'Qualifying Requirements (Annexure A to Schedule I)', 'Compliance to Mandatory Resource Requirements' (Annexure B to Schedule I) and Compliance to Desirable Resource Requirements' (Annexure C to Schedule I) enclosed to this Schedule I should be filled and scanned copy of the same alongwith the relevant documents has to be uploaded on e procurement portal (wherever called for).

Signature of Supplier :

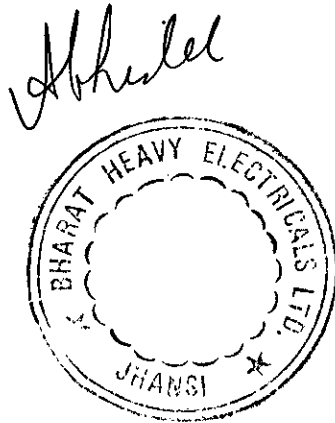
Name :

Designation :

Seal :

Phone No :

E-mail ID :



Ref: E3559012

Schedule-II
Important details of the Tender

Name and Contact Details of the Person for Queries in the Tender	(1) M L Ahirwar DGM/MM, BHEL Jhansi Phone: - 0510-2412459 Email: - mlahirwar@bheljhs.co.in (2) Abhishek Sr. PO/MM, BHEL Jhansi Phone: - 0510-2412716 Email: - achoubey@bheljhs.co.in (3) Shravan Kumar AE/MM, BHEL Jhansi Phone: - 0510-2412387 Email: - shravan@bheljhs.co.in
Last Date of Submission of the Tender through e-Procurement system	_____ 13:15 Hrs.
Tender Opening Date	_____ 14:00 Hrs.

The tender will be conducted and evaluated online through e-Procurement System. The bidder shall submit his response through bid submission to the tender on e-Procurement platform at <https://bheleps.buyjunction.in>.

Successful bidder shall be responsible for completion of the contract in all respects. Techno commercial offers shall be opened through the E-Procurement portal. However Price may be finalized through online Reverse Auction. Bidders are request to quote their most competitive prices through the online e-procurement portal / system.

In case of any difficulty in operating the E-Tendering System, please call up our Developer's Help Desk m Junction Services Ltd. at 033-6601 1717 or BHEL Representative, Mr. O.P. Gupta at 0510-2412482. Please ensure the submission of your most competitive offer before the due date in the E-Tendering Portal to avoid last minute hustle.

The offer shall include-

1. Techno-commercial Bid: -

The techno commercial bid is to be filled and uploaded with full required documents online on E-Tendering Portal of BHEL at web address <https://bheleps.buyjunction.in> latest by **13:15 Hrs on the day of Tender submission date.**

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Please ensure to upload the scanned documents wherever original documents are asked for in the tender and is required as part of technical bid on the portal. This includes documents required as per Qualification Criteria of Techno commercial Section i.e Annexure-A, A1, A2, B, C of Schedule-1, Profit and Loss statement of last 3 financial years, PO copies, SRV copies, Excise Invoice and Performance Certificate copies as per Annexure A and A-1 of Schedule-1. Also attach the WPS and PQR of the welder.

In addition to that entire tender document bid duly signed and stamped on each page by authorized signatory clearly bringing out deviations, if any, compliance letter on company's letter head, duly filled format for techno commercial bid, amendment if issued to the tender with sign and seal on each page should be uploaded on e procurement portal.

If the relevant documents are not found in e procurement portal your offer is liable to be rejected.

The techno commercial offers shall be opened on **14:00 Hrs on the same day of Tender submission date**. Hard copies of commercial offers shall not be accepted for evaluation.

2. Price Bid/ Reverse Auction: -

The Price Bid is to be filled up through E-Tendering system only. RA will be conducted for technically qualified parties by separate service provider. BHEL reserves the right to decide for going into Reverse auction.

Instruction for Participation in the Tender through e-Procurement.

The process of utilizing e-procurement necessitates usage of DSC (Digital Signature Certificate) (Class – III, SHA 2, 2048 BIT – Signing and Encryption) and vendors are requested to procure the same immediately if not available with them. Please note that only with DSC of above mentioned specification, the interested bidder will be able to login the e-procurement secured site and take part in the tendering process.

The contact details of the DSC Certifying authorities are given below

Sr. No	CA	Website Address
1	e-Mudhra	http://www.e-mudhra.com
2	GNFC	http://www.ncodesolutions.com
3	IDRBT	http://www.idrbtca.org.in
4	MTNLTrustline	http://www.mtnltrustline.com
5	NIC	http://www.nic.in
6	Safescrypt	http://www.safescrypt.com
7	TCS	http://www.tcs-ca.tcs.co.in

Ref: E3559012

Registered vendors of BHEL, Jhansi may participate in the tender directly on BHEL, Jhansi e-Procurement portal at address <https://bheleps.buyjunction.in>.

The new vendors who are not registered with BHEL, JHANSI and are interested to participate in the tender will have to register and map their respective Digital Signature Certificate with specification Class-III, SHA-2,2048 bit Signing and Encryption at BHEL e-Procurement website: <https://bheleps.buyjunction.in>.

For registration assistance, users may please contact mJunction Helpdesk @ 033-6601 1717 between 9.30 am till 5.30 pm.

BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance 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.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily *submit* 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue."

H1 (Highest) bidder(s) found during sealed bid auction will not be allowed to participate in reverse Auction.

General terms and conditions of the REVERSE AUCTION shall be generally as per schedule -VIII. However final terms & condition shall be intimated after techno-commercial evaluation of the tender.

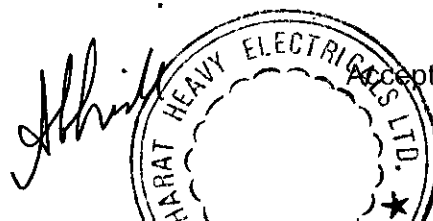
We confirm above instructions have been fully understood. We further confirm that price bid has been submitted online without addition of any other terms & conditions and if the price bid is found to be conditional (e.g. minimum order quantity, slab rate, discount for quantity, different terms of payment etc. etc.), BHEL has full right not to accept our offer. In addition to above Additional Charges as per Para 4 of Schedule IV (if any) shall also be paid by BHEL. **Above rate are quoted based on base rate of JPC Rs. 27.78 per kg of August 2016**

Signature of Supplier :

Name :

Designation :

Seal :



Ref: E3559012

Schedule-III

SALIENT TECHNICAL REQUIREMENTS

1. **SCOPE OF WORK:** The scope of work covered in this enquiry is fabrication of Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) as per our typical drawing i.e. for enquiry item no.1 ROLLER ASSY TO DRG NO-24993750014 REV 01, E/F ASSY TO DRG 14737050052 REV 00, FOOT ASSY TO DRG-34737050017 REV-01 & etc DTT. ELECTRO PLATED AS PER I:S 1573 and for enquiry item no.2 ROLLER TO DRG NO 24993750014 REV-01 End Frame TO DRG - 14997050015 REV 15 & FOOT ASSY TO DRG NO-34737050012/10 etc DTT. HOT DIP GALV. AS PER I:S 4759 on fully finish basis using own material in all respects. The Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) shall be supplied in duly sand / shot blasted & Electro – Galvanized (as per IS : 1573) / Hot Dip Galvanized condition (as per IS : 4759). The Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) shall be inspected by BHEL.

All material, consumables, facilities shall be arranged by the supplier. Paint film thickness test and any other test called in BHEL DRG . shall be carried out by vendor . Hardwares, temporary fixtures, blanking plates, C clamps, helical inserts, gaskets etc shall not be supplied by BHEL.

Pre-machining of the items/components as per drawing is in supplier's scope.

Supplier should ensure that the supplies are as per latest Drawings, DCAs, MIDs, QA Plans and other documents. The supplier should also ensure that latest revisions of these documents are collected by them from BHEL from time to time. They should obtain necessary certification about the latest revisions of drawings from BHEL before commencing the work and also just before dispatch. Efforts will be made to supply all possible documents by BHEL along with purchase order or in sequence from after issue of LOI / PO.

All facilities required for fabrication & testing are to be arranged by the vendor themselves.

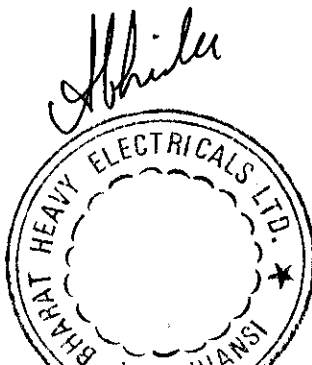
Signature of bidder :

Name :

Designation :

Seal of company :

Accepted Above: Seal and Signature of Bidder



Ref: E3559012

Schedule -IV

COMMERCIAL TERMS & CONDITIONS

1. The rate contract shall be valid for ordering for two years from the date of finalization and supply up to 3 months thereafter.
2. The following Price Variation Claim shall be allowed over the quoted base price as per schedule - VII :-
 - a) For every 1 Rupee per Kg increase / decrease in JPC (Joint Plant Committee, Constituted by Govt. of India) price excluding ED & VAT of **10 mm plate** for Delhi, the basic fabrication rate will increase / decrease by Rs 1.20 per kg.
 - b) **The basic fabrication rate quoted in schedule - VII shall be based on the JPC steel market price (retail) of Rs. 27.78 per kg (excluding ED & VAT) for 10 mm plate derived from the price declared in beginning of March 2016 for Delhi. For detail calculation to derive JPC market steel price (retail) excluding ED & VAT, refer schedule – IX.**
 - c) If rate of MS increase / decrease by Rs. 1.00 per Kg., rate of HTS JPC increase / decrease by Rs. (1.5 X 1.2) = Rs. 1.80 per kg.
 - d) JPC declares steel prices bi-monthly including ED & VAT. JPC price declared in beginning of the month for Delhi shall be considered for one full month for the purpose of calculating PVC. BHEL will derive the JPC price excluding ED & VAT as per calculation placed at Schedule – IX and the same shall be considered for full one month for calculating PVC.
 - e) JPC steel basic rate excluding ED & VAT of Delhi (derived from the declared price in beginning of the month by JPC for Delhi) as applicable one month prior to contractual delivery or actual delivery whichever is lower, will be taken for the purpose of calculating price variation. For example, if End Frame Assy. is supplied in the month of Apr-17 & PO delivery is March-17, rate applicable for the month of March-17 or Feb-17 respectively whichever is lower shall be taken for PVC Claim.
3. Taxes & Duties shall be extra as applicable on the date of actual delivery. Bidders are advised in their own interest to familiarize themselves fully with various types of taxes and their rates etc. including entry tax if applicable. It may be noted that evaluation of quoted prices shall be done on the basis of landed cost at BHEL which shall be arrived at after loading the prices wherever required. Applicable taxes & duties on the date of offer MUST be mentioned. If any bidder is found to incorrectly declare less value of ED or nil ED in the offer, his contract will be terminated. For increase in ED rate slab during R/C period, required proof & undertaking will have to be given to this effect before same is admitted by BHEL.

Ref: E3559012

4. Additional Charges:

Schedule -IV

- (a)- Extra charges for clamp plate, pin etc. made of HTS material shall be 150 % of basic fabrication rate of DTT End Frame, Roller Assy., etc. made of MS material. No deduction will be made from SRV weight of clamp plate, pin etc. made of HTS material.(0351556 HTS round)
- (b)- BHEL will pay Rs. 15/-per kg extra for re-galvanizing /re- electro galvanizing of fabricated items in case where in is required because of change in our drawings. Re galvanizing of items will be certified by our inspecting agency. Fabricator shall get items inspected before starting re galvanizing/re electro galvanizing.
5. The validity of the quotation shall be for a period of 120 days from the opening date of tender.
6. **Payment Terms :-** 100% payment after 60 days of receipt and acceptance of material at BHEL works. The suppliers who are availing HDFC / SIDBI bill discounting facility (pay by BHEL in about 90th days from the date of invoice) with us will continue to get this facility. However, due to funds problems, this cannot be extended to other suppliers. For such suppliers standard payment terms shall be applicable for deciding tender. The bidders who are covered under MSMED Act- 2006 & quoted 45 days of payment after acceptance of material will also be treated as standard terms of payment. Both payment terms will be treated at par. The offer received with any other terms of payment will not be accepted.
7. **Manner of Splitting :** Contract may 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.

No of vendors	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Total
1	100										100
2	65	35									100
3	48	32	20								100
4	37	29	19	15							100

Note: The loading under rate contract shall be generally as per quantities allocated to the bidder. However it will be subject to factors like (a) customer approval of vendors in specific projects, (b) Suppliers delivery and quality performance during execution of rate



Ref: E3559012

Schedule -IV

contract and (c) Pendency of orders on the supplier. In view of above factors the loading during execution of rate contract may vary substantially with respect to allocated quantity.

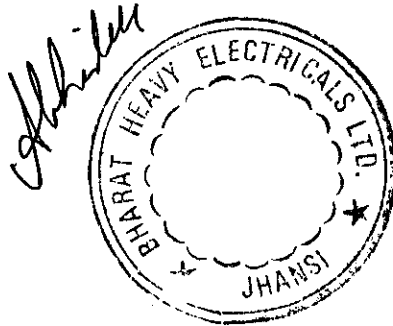
Performance of supplier shall be monitored and in case the delivery / quality performance is not up to the mark during execution, BHEL reserves the right to either reduce further loading or stop loading till the execution of over dues orders. In such cases the balance allocated full or part quantity of the defaulting vendors may at the discretion of the BHEL Jhansi be re-distributed to other performing and willing vendors of the rate contract

Signature of Supplier :

Name :

Designation :

Seal :



Ref: E3559012

Schedule -V

GENERAL TERMS & CONDITIONS

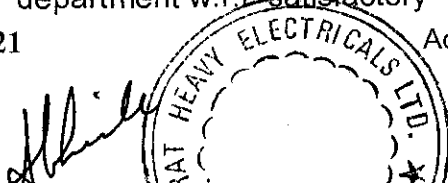
1. **GUARANTEE:** All goods shall be free from any defects due to faulty material and workmanship and it will be guaranteed for a period of 18 months from the date of commissioning of the goods at customer's site or 24 months from the date of dispatch whichever is earlier. However, for any "LATENT DEFECTS" supplier will be responsible even after 24 months, if failure occurs due to the same.
2. **REJECTIONS**
 - (i)- If any goods are rejected, BHEL shall be at liberty to take action as per following at the risk and cost of supplier :-
 - (a) Allow the supplier, wherever mutually agreed, to rectify the rejected goods at BHEL's works within reasonable time as fixed by BHEL.
 - (b) Allow the supplier to make free replacement within a specified period, rejected goods can be lifted by the supplier thereafter.

OR

Allow the supplier to refund the full amount paid to him by BHEL by a Demand Draft before lifting the rejected goods. Fresh replacement shall be regularized as per terms & conditions of the original purchase order.

OR

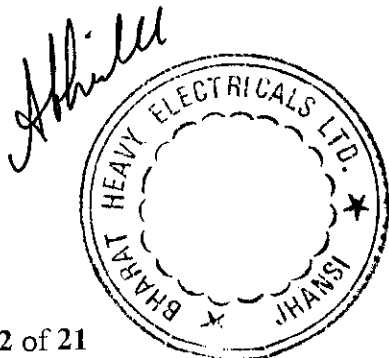
Take alternative procurement action from elsewhere and recover the difference in cost, if any incurred by BHEL in this regard from the supplier. The supplier shall not be entitled to any gain on purchase.
 - (c) Terminate the contract either in part or in whole at the discretion of BHEL and recover the loss, if any, from the supplier.
- (ii)- If manufacturing defect is noticed in End Frame Assembly at the time of use in BHEL. BHEL shall intimate to vendor by email.
 - (a) Vendor shall depute their team for rectification within 02 days of intimation (excluding date of intimation).
 - (b) BHEL shall at its discretion and on advise of its quality department deduct Rs. 250 per day for the period taken by vender's team for rectification at BHEL (this period shall exclude 2 days as mentioned at (b) above). This deduction is solely for the delay incurred in progress of work in BHEL on account of defect / rectification of Tank Assembly (defect attributed to vendor).
 - (c) The vendor's team will obtain a written clearance from quality department w.r.t satisfactory Completion of rectification work.



Ref: E3559012

Schedule -V

3. **Risk Purchase** : If the material is not supplied within stipulated time, BHEL shall be within their right free to cancel the contract and purchase the material through any other source at the risk and cost of the supplier. In such an event it shall be obligatory on the defaulting supplier to make good loss suffered by BHEL. The above option shall be executed at the discretion of BHEL.
4. **Penalty/LD Clause**: Failure to effect supply by the time specified in the order or period of extension granted in writing by BHEL will make the supplier liable to pay unconditional penalty of ½ % (half percent) of the price of goods in arrears per week subject to maximum of 10% (ten percent) of the delayed order value.
5. **ADJUSTMENT OF RECOVERY OF AMOUNT PAYABLE BY THE SUPPLIER** : Any amount payable by the consignor / supplier under any of the conditions of this contract shall be liable to be adjusted against any amount payable to the consignor/supplier under any other order/works contract awarded to him. This is without prejudice to any other action as may be deemed fit by BHEL.
6. **JURISDICTION** : All suits or any matters arising out of the P.Os based on the rate contract shall lie in Jhansi Courts only.
7. **ARBITRATION**: - In all cases of disputes, the matter shall be referred for arbitration. The arbitrator shall be nominated by the Unit Head, Bharat Heavy Electricals Ltd. Jhansi or any other officer nominated by him. The award of arbitrator shall be final and binding on both the parties.
8. **WEIGHT VARIATION** : Wherever purchase order stipulates payments on the basis of weight of the supplies, the order will specify the design weight. In case of change in WEIGHT / DESIGN during execution of the order, maximum +/- 5% variation shall be allowed for payment purpose. For more than 5% (Variation in welding and painting etc) Variation matter may be referred to design for examine / correction in weight.
9. Terms & conditions pre-printed on the reverse of our Tender Enquiry shall also be applicable.



Signature of bidder :
Name :
Designation :
Seal of company :

Ref: E3559012

Schedule -VI

Techno Commercial Bid

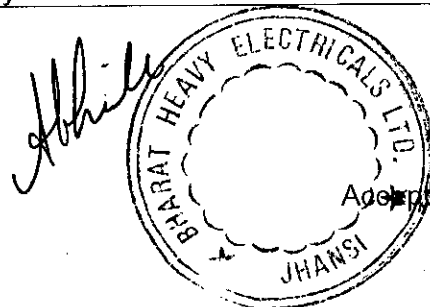
(Bidder should fill up this bid by putting the tick in accepted / non accepted column)

BIDDER'S NAME & ADDRESS:-

.....

COMMERCIAL PART.

1	Capacity reserved for BHEL Jhansi in MT per month for this Tender.	 MT Per Month
2	Capacity reserved for BHEL Jhansi in MT per annum for this Tender.	 MT Per Annum
3	Present rate of Excise duty	%
4	Present rate of CST / VAT	%
5	Validity of the rate contract shall be two year from the date of finalization for ordering & <u>3 months</u> thereafter for supply.	Accepted / Not accepted
6	Price variation clause shall be as per Para 2 of Schedule IV.	Accepted / Not accepted
7	Taxes and duties shall be extra as applicable on the date of actual delivery.	Accepted / Not accepted
8	LD/ Penalty clause shall be as per Para 4 of schedule V is acceptable to us.	Accepted / Not accepted
9	Rates quoted in the price bid are on F.O.R. Jhansi basis.	Accepted / Not accepted
10	Delivery Period will be (required on FOR BHEL Jhansi basis), within 7 weeks from date of issue of purchase order with main drawings (Drawing called in purchase order description are treated as main drawings). Supplier to study these main drawings within 2 weeks of issue of purchase order and also requested to obtain all required drawings called within main drawings. It is responsibility of suppliers to obtain all required drawings from BHEL immediately.	Accepted / Not accepted

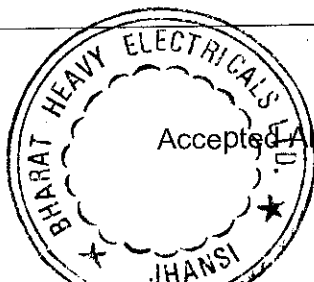


Ref: E3559012

11	100% payment after 60 days of receipt and acceptance of material at BHEL'S works (not applicable for suppliers availing MSMED, SIDBI/ HDFC discounting facility) & other terms & condition given in this tender are acceptable to us.	Accepted / Not accepted
12	Rates is to be quoted fully finish basis as per scope of supply mentioned in schedule III, Para -1 of the tender documents .Hot Dip Galvanizing./ Electro Plating.	Accepted / Not accepted
13	Quantity distribution shall be as per manner of splitting as per clause 7 of schedule IV of this tender.	Accepted / Not Accepted
15	We may finalize rate contract on the basis of rate obtained either through Reverse Auction or through sealed price bid.	Accepted / Not Accepted

TECHNICAL PART

A	Material	
A1	Item to be manufactured as per BHEL Drawing mentioned in purchase orders.	Accepted / Not accepted
B.	Scope of Work.	
B1.	The scope of work covered in this enquiry is fabrication of Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) as per our typical drawing NO i.e. for enquiry item no.1 ROLLER ASSY TO DRG NO-24993750014 REV 01,E/F ASSY TO DRG 14737050052 REV 00,FOOT ASSY TO DRG-34737050017 REV-01 & etc DTT. ELECTRO PLATED AS PER I:S 1573 and for enquiry item no.2 ROLLER TO DRG NO 24993750014 REV-01 End Frame TO DRG -14997050015 REV 15&FOOT ASSY TO DRG NO-34737050012/10 etc DTT.HOT DIP GALV.AS PER I:S 4759 on fully finish basis using own material in all respects. The Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) shall be supplied in duly sand / shot blasted & Electro – Galvanized (as per IS : 1573) / Hot Dip Galvanized condition (as per IS : 4759). The Dry Type Transformer End Frame, Roller Assembly etc. (enquiry item no. 01 & 02) shall be inspected by BHEL.	Accepted / Not accepted
B2.	Cleaning by sand / shot blasting/ pickling as per BHEL Spec.	Accepted / Not accepted

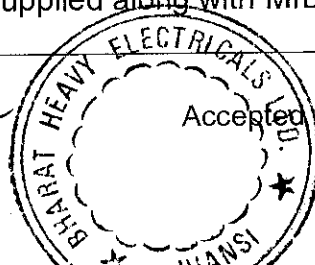



Ref: E3559012

Schedule -VI

B3.	Bending & pre machining wherever required will be done by the supplier and no facility will be extended by BHEL. However if facility is not available, the same may be provided by BHEL on chargeable basis	Accepted / Not accepted
B4.	WPS, PQR & WQR shall be followed As per quality plan.	Accepted / Not accepted
B5.	Suppliers to ensure to maintain weld sizes using weld checking gauges. Any lumps, scars or under cuts etc. are ground smooth for neat appearance.	Accepted / Not accepted
B6.	The validity of quotation shall be for a period of 120 days from the opening date of tender.	Accepted / Not accepted
B7.	Rate to be quoted on fully finish basis & per kg. Basis Only including machining, drilling, tapping, painting etc.	Accepted / Not accepted
B8.	Order will be placed on you after finalization of this R/C as and when the requirement comes.	Accepted / Not accepted
B9.	Delivery terms shall be FOR BHEL Jhansi only. Ex works delivery shall not be considered. The offer received Ex-works basis will be rejected straightway.	Accepted / Not accepted
B10.	Inspection by BHEL / BHEL nominated agency at your works	Accepted / Not accepted
B11.	All facilities required for fabrication & testing are to arranged by the vendor themselves	Accepted / Not accepted
C. <u>Workmanship</u>		
C1.	To ensure desired aesthetic all sharp points cut edges, dents etc. shall be grounded smooth. Wherever radius or rounded off is called in drawings, it should be ground as per drawings without any surface defect.	Accepted / Not accepted
C2.	Electroplating and Hot Dip Galvanizing & related quality checks shall be done as per process specification called in the drawings. / MID's	Accepted / Not accepted
C3.	Suppliers to ensure to maintain weld sizes using weld checking gauges. Any lumps, scars or under cuts etc. are ground smooth for neat appearance.	Accepted / Not accepted
D. <u>Inspection requirement</u>		
D1.	Stage wise inspection shall be carried out as per job requirement	Accepted / Not accepted
D2.	QA Plan enclosed / supplied along with MID/Order to be followed	Accepted / Not accepted

Handwritten signature



Ref: E3559012

Schedule -VI

D3.	Dimensional record shall be maintained in the Performa prescribed by BHEL.	Accepted / Not accepted
D4.	Inspection by BHEL CQX /Third party as per job requirement. All Co-ordination with inspection agencies to be done by supplier	Accepted / Not accepted
D5.	You will keep a log book of paint recording where you have to record various parameters of records like supplier's name, batch no, date of supply, date of expiry, checking of viscosity etc. so that control of paint is maintained.	Accepted / Not accepted
E	<u>Cleaning & Painting</u>	
E1.	Cleaning, Degreasing, Sand / Shot Blasting, Electroplating & Hot Dip Galvanizing to be done as per specification.	Accepted / Not accepted
E2.	Supplier to ensure that job should be free from shots, weld slag, dust and other foreign material before dispatch.	Accepted / Not accepted
F.	<u>Shipping Instructions</u>	
F1.	Material to be dispatched in single lot.	Accepted / Not accepted
G.	<u>General</u>	
G1.	All Terms and Conditions for purchase enquiry printed overleaf are accepted to us.	Accepted / Not accepted
G2.	NDT wherever required is in suppliers scope of Work and should be carried out by BHEL'S Approved agencies. Quotation not confirming to this requirement is liable for rejection.	Accepted / Not accepted
G3.	No Tools/ Jigs/Fixtures/ Gauges will be issued by BHEL. Facilities such as testing, machining as per clause 1.0 of Schedule III will be arranged by the vendor themselves.	Accepted / Not accepted
G4.	Only calibrated instruments and gauges will be used.	Accepted / Not accepted
G5.	All inside / outside threads are to be duly protected with suitable means before shot blasting / HDG / Electro Plating Applications.	Accepted / Not accepted

Ref: E3559012

Schedule -VI

G6.	Supplier has to collect Drawings and MID's from TRE/TRP on intimation by BHEL and takes necessary material procurement/ manufacturing action as required.	Accepted / Not accepted
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Note: If any of the above conditions are not accepted the offer shall be liable for rejection.

I. Contact detail of vendor:-

11. Contact Person :

12. Mobile no.

12. Telephone No :

13. Fax No :

14. E mail Id :

Signature of Bidder:

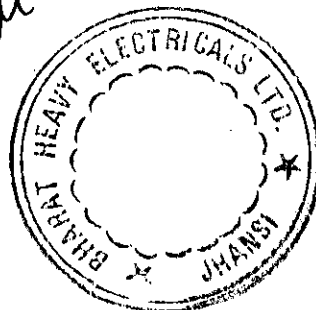
Name :

Designation :

Seal :

Signature of Supplier:

Signature



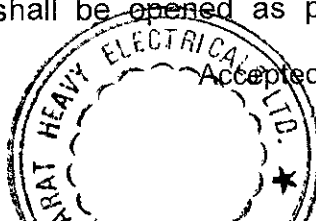
Ref: E3559012

Schedule -VII

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).

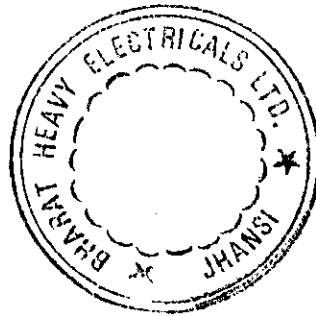
1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the reverse auction. 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 to provide the calculation sheets (e.g. EXCEL sheets) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax 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. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and Price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.



Ref: EB559012

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.

[Handwritten Signature]

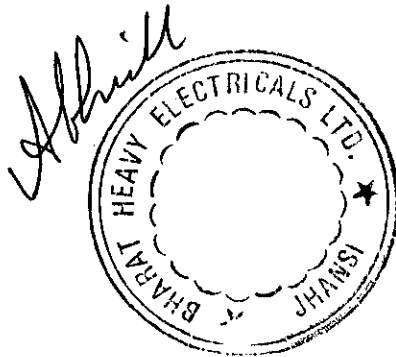


Ref: E3559012

SCHEDULE-VIII

**CALCULATION TO DERIVE JPC PRICE EXCLUDING ED &VAT OF 10 MM PLATE
FOR DELHI**

- (a)- JPC market steel price (retail) declared =Rs. 32.50 per kg (JPC rate enclosed)
in beginning of Aug-2016 for Delhi including Excise Duty & VAT
- (b)- Present rate of Excise Duty =@ 12.5 %
- (c)- Present rate of VAT for Delhi =@ 4 %
- (d)- Therefore JPC price excluding ED & VAT =JPC price (retail) for Delhi including ED & VAT
(1.125 x 1.04)
- = $\frac{32.50}{(1.125 \times 1.04)}$
- = Rs 27.78 per kg



Ref: E3559012



ज्वाइन्ट प्लान्ट कमिटी
(भारत सरकार द्वारा गठित)
JOINT PLANT COMMITTEE
(Constituted by Govt. of India)
An ISO 9001 : 2008 Certified Organisation

DATE: 08TH AUGUST 2016

JPC MARKET PRICE (RETAIL) AS ON 01-AUG-2016

Rs. per tonne

Sl.	ITEM	Kolkata	Delhi	Mumbai	Chennai
1	PIG IRON	23726	24700	22000	18900
2	BILLETS 100 MM	25500	24000	25706	27629
3	BLOOMS 150X150 MM	27000	27000	26600	26145
4	PENCIL INGOTS	23067	23800	24706	25200
5	WIRE RODS 6 MM	30399	30000	34429	36225
6	WIRE RODS 8 MM	30399	29500	34429	35875
7	ROUNDS 12 MM	29169	30000	31769	31259
8	ROUNDS 16 MM	29598	30000	31769	31259
9	ROUNDS 25 MM	29534	30000	31769	31287
10	TMT 10 MM	30304	29836	29723	32124
11	TMT 12 MM	30054	29668	29546	32124
12	TMT 25 MM	29836	29668	29546	31948
13	ANGLES 50X50X6 MM	31101	30000	31822	32124
14	ANGLES 75X75X6 MM	31136	30000	31596	32228
15	JOISTS 125X70 MM	31694	30000	39900	31238
16	JOISTS 200X100 MM	31024	30000	32572	32876
17	CHANNELS 75X40 MM	31352	30000	31874	32068
18	CHANNELS 150X75 MM	30872	30000	32173	31816
19	PLATES 6 MM	33225	32500	34627	35175
20	PLATES 10 MM	33225	32500	34568	35175
21	PLATES 12 MM	33350	32500	34204	36750
22	PLATES 25 MM	33813	32500	34204	37275
23	H. R. COILS 2.00 MM	35663	33500	34921	37013
24	H. R. COILS 2.50 MM	34938	32500	35030	35963
25	H. R. COILS 3.15 MM	33563	32500	35030	35963
26	C. R. COILS 0.63 MM	48750	36000	38063	41213
27	C. R. COILS 1.00 MM	48000	35500	37800	41213
28	G. P. SHEETS 0.40 MM	45000	45000	42263	52238
29	G. P. SHEETS 0.63 MM	44500	43000	41738	51975
30	G. C. SHEETS 0.40 MM	44750	45500	42394	51975
31	G. C. SHEETS 0.63 MM	44500	43500	41869	52283
32	MELTING SCRAP H.M.S - I	18400	17500	19369	16800
33	MELTING SCRAP H.M.S - II	17000	17000	18719	16275
34	SPONGE IRON (COAL BASED)	12500	12000	20000	15225

NOTE: 1) All prices are in Rs./Tonne and has been compiled on the basis of average of Main & Others producers' price

2) Prices are inclusive of Excise Duty & Sales / Vat Tax

3) All prices are as on day 01 of this month

4) Prices are indicative

रंजन कुमार पांडे
Ranjan Kumar Pandey
प्रबंधक (सूचक एवं वित्तियन सहित)
Manager (DB & AS)
ज्वाइन्ट प्लान्ट कमिटी
Joint Plant Committee
52/1A, बालीगंज सर्कुलर रोड
कोलकाता-700 019
52/1A, Ballygunge Circular Road
Kolkata-700 019



BHARAT HEAVY ELECTRICALS LIMITED
(A Govt of India undertaking)
MATERIALS MANAGEMENT (MM) , JHANSI - 284129

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

ANNEXURE A TO SCHEDULE I

All requirements should be mandatorily filled, relevant documentation enclosed, and every page should be signed and stamped by the bidder.

QUALIFYING REQUIREMENTS FOR THE BIDDERS

SI	Description of Qualifying requirement	Copy encl.									
1.	Average Annual financial turnover during the last three years, ending 31st March of the previous financial year, should be at least 15.28 lakhs approx. The bidder to fill the turnover details as per the format given below: <table border="1" style="margin: 10px auto; width: 60%;"><thead><tr><th style="width: 40%;">Financial Year</th><th style="width: 60%;">To be filled by Bidder Turnover (lakhs)</th></tr></thead><tbody><tr><td>2015-16</td><td></td></tr><tr><td>2014-15</td><td></td></tr><tr><td>2013-14</td><td></td></tr></tbody></table>	Financial Year	To be filled by Bidder Turnover (lakhs)	2015-16		2014-15		2013-14			
Financial Year	To be filled by Bidder Turnover (lakhs)										
2015-16											
2014-15											
2013-14											
	<i>As evidence of the above information, bidder to attach Audited Balance sheet including Profit & Loss Statement of last three financial years. In case the Balance Sheet of the last financial year is not yet audited, the un- audited balance sheet of the last financial year can be enclosed along with certificate of CA.</i>	Yes	No								
2	Work Experience The bidder must have successfully completed at least 18 sets and 19.43MT of similar jobs during last three years (ending last day of month previous to the one in which applications are invited). Similar Jobs means - Dry Type Transformer End frame / ACEMU Main End frame / Single phase Freight loco trfr End frame / 3 phase freight loco trfr main End frame/ Power Transformer End frame/ ESP trfr main End frame. The bidder to mandatorily fill the details of experience as per Annexure A1 to Schedule I, enclose the same, and the summary to be filled by bidder should be as under: <table border="1" style="margin: 10px auto; width: 80%;"><thead><tr><th rowspan="2" style="width: 60%;">Similar Jobs executed in last three years (ending last day of month previous to the one in which applications are invited).</th><th colspan="2" style="width: 40%;">To be filled by Bidder</th></tr><tr><th style="width: 20%;">No of jobs</th><th style="width: 20%;">Tonnage (MT)</th></tr></thead><tbody><tr><td>Total tonnage executed</td><td></td><td></td></tr></tbody></table>	Similar Jobs executed in last three years (ending last day of month previous to the one in which applications are invited).	To be filled by Bidder		No of jobs	Tonnage (MT)	Total tonnage executed				
Similar Jobs executed in last three years (ending last day of month previous to the one in which applications are invited).	To be filled by Bidder										
	No of jobs	Tonnage (MT)									
Total tonnage executed											

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20/7/16

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20/7/16

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20/7/16



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BHARAT HEAVY ELECTRICALS LIMITED
(A Govt of India undertaking)
MATERIALS M SCHEDULE-IB JHANSI - 284129

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

ANNEXURE A TO SCHEDULE I

All requirements should be mandatorily filled, relevant documentation enclosed, and every page should be signed and stamped by the bidder.

SI	Description of Qualifying requirement			Copy encl.	
	Supplies made to	Documentary Proof to be attached	Bidder to Tick '✓' whichever is applicable	Yes	No
	As evidence of the above information, the bidder to attach the documentary proof as below :				
	BHEL, Jhansi or BHEL, Bhopal or other Units of BHEL	Purchase Order Copies to be submitted			
	Other PSUs / Govt Undertakings	Copy of Performance certificate & Purchase Order issued by Customer for successful execution of the jobs to be submitted			
	Private Sector	Copy of Performance certificate, Purchase Order and relevant Excise Tax Invoice / TDS certificate must be attached.			
3	Proforma for Compliance to Mandatory Resource Requirements as per Annexure B to Schedule I along with the necessary documentary proof (wherever called for) to be mandatorily filled and submitted.			Yes	No
4	Proforma for Compliance to Desirable Resource Requirements as per Annexure C to Schedule I to be mandatorily filled and submitted				
5	Self Certificate/Declaration (as per Annexure A2 to Schedule I) that (a) the bidder is not suspended by BHEL Jhansi or any Unit/Office of BHEL or any other organization, and (b) the the bidder not guilty by a Court of Law in India for any offence involving fraud, dishonesty and moral turpitude.			Yes	No
6	PAN Number of Supplier			Yes	No
7	TIN No of Supplier			Yes	No
8	Part 1 (Techno - Commercial Bid) & Part II (Price Bid)			Yes	No

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 mandatory criteria on Financial Turnover, Experience & Mandatory Resource requirements.

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

ANNEXURE A1 TO SCHEDULE I

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

'Job' means a single descriptive Purchase Order item for which an order has been placed. Sum of different items of a Purchase Order will not constitute a 'Job'.

Experience in Similar Jobs (Dry Type Transformer End frame / ACEMU Main End frame / Single phase Freight loco trfr End frame / 3 phase freight loco trfr main End frame/ Power Transformer End frame/ ESP trfr main End frame.									
Sl	Description	Customer	BHEL / GOVT / PSU / PRIVATE	PO No	PO Dt	PO Qty.	Weight Per job (MT)	PO Completion date	Whether Proof of completion enclosed
1									Yes No
2									Yes No
3									Yes No
4									Yes No
5									Yes No
6									Yes No
7									Yes No
8									Yes No
9									Yes No
10									Yes No

33

Signature
21/07/16

Signature

20/7/16

ANNEXURE A1 TO SCHEDULE I

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

'Job' means a single descriptive Purchase Order item for which an order has been placed. Sum of different items of a Purchase Order will not constitute a 'Job'.

Experience in Similar Jobs (Dry Type Transformer End frame / ACEMU Main End frame / Single phase Freight loco trfr End frame / 3 phase freight loco trfr main End frame/ Power Transformer End frame/ ESP trfr main End frame.

Sl	Description	Customer	BHEL / GOVT / PSU / PRIVATE	PO No	PO Dt	PO Qty.	Weight Per job (MT)	PO Completion date	Whether Proof of completion enclosed
11									Yes No
12									Yes No
13									Yes No
14									Yes No
15									Yes No
16									Yes No
17									Yes No
18									Yes No
19									Yes No
20									Yes No
TOTAL									

We agree that our bid is liable to be rejected in case of incomplete data / false declarations.

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

20/7/16


20/7/16

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ANNEXURE A2 TO SCHEDULE I

TENDER ENQUIRY NO. E3559012

Date :

Self Declaration

1. I / We have never been found guilty by a court of law in India for any crimes of fraud, dishonesty or moral turpitude
2. I / We have never been suspended by BHEL Jhansi or any Unit/Office of BHEL or any other organization.
3. I / We undertake to abide by all statutory and regulatory requirements while carrying out jobs for BHEL Jhansi.

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

[Signature]
mmc

[Signature]
21/12/14

[Signature]
4.8.16



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BHARAT HEAVY ELECTRICALS LIMITED
(A Govt of India undertaking)
MATERIALS MANAGEMENT (MM) , JHANSI - 284129

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

ANNEXURE B TO SCHEDULE I

PROFORMA FOR COMPLIANCE TO MANDATORY RESOURCE REQUIREMENTS

All requirements should be mandatorily filled, relevant documentation enclosed, and every page should be signed and stamped by the bidder.

QUALIFYING REQUIREMENTS FOR THE BIDDERS

Sl	Requirements	To be filled in by Bidder			
A	General				
1	Covered Shed with concrete floor for assembly and fabrication (Minimum area 150 sq.m)	Available Area (sqm)			
B	Manpower				
2	Minimum ONE Qualified Welders as per ASME section IX or AWS D 1.1. for MS to MS Welding - SMAW / GMAW / FCAW (Necessary qualification certificates to be submitted)				
		Name	Experience (yrs)	WPS	PQR
3	Fitter (Minimum one required)	Number Available			
4	Technical staff for reading and understanding the technical documents & inspection of jobs (Min. one employee with ITI or Diploma in Engg)	Name			
		Qualification(s)			
C	Working Facilities				
5	Welding Machines (SMAW / GMAW / FCAW) - Minimum ONE number	Make			
		Rating (KVA)			
		Number Available			
6	Portable Hand Grinding Machines (Minimum ONE number)	Number Available			
7	Electro Plating facilities with tanks size 1.5Meter x1.0 Meter	Whether Available?	Size		
		Yes/ No			
8	Electrode Heating Oven with temperature controller (Min one no)	Number Available			
		Capacity (Kgs)			

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BHARAT HEAVY ELECTRICALS LIMITED
(A Govt of India undertaking)
MATERIALS MANAGEMENT (MM) , JHANSI - 284129

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

ANNEXURE B TO SCHEDULE I

PROFORMA FOR COMPLIANCE TO MANDATORY RESOURCE REQUIREMENTS

All requirements should be mandatorily filled, relevant documentation enclosed, and every page should be signed and stamped by the bidder.

Sl	Requirements	To be filled in by Bidder		
F	Instruments			
9	Plating thickness measuring instrument (Measurement range between 0 - 100 microns.)	Range (upto __ microns)		
10	Vernier Callipers (Calibration from Government accredited agency)	Number Available		
		Range		
		Whether Calibrated	Yes	No
11	Measuring Tape (Calibration from Government accredited agency)	Number Available		
		Size (mm)		
		Whether Calibrated	Yes	No

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 mandatory criteria on Financial Turnover, Experience & Mandatory Resource requirements.

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



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BHARAT HEAVY ELECTRICALS LIMITED
(A Govt of India undertaking)
MATERIALS MANAGEMENT (MM) , JHANSI - 284129

TENDER ENQUIRY NO: E3559012

DATE: 20.07.2016

ANNEXURE C TO SCHEDULE I

PROFORMA FOR COMPLIANCE TO DESIRABLE RESOURCE REQUIREMENTS

All requirements should be mandatorily filled and every page should be signed and stamped by the bidder. Wherever information is sought regarding availability of a facility, strike off whichever is not applicable ' Available / Not Available.' If the facility is outsourced, mention 'OS'.

Sl	Requirements	To be filled in by Bidder		
A	General			
1	Office for storing and referring the documents	Available Area (sqm)		
2	Bed Plates /Surface plate (perfectly levelled)	Whether Available?	Bed plate	Surface plate
		Yes/No		
B	Manpower			
3	Organization Structure (to be submitted)			
C	Working Facilities			
4	Pug cutting machine	Whether Available ?	Available	OS
5	Hot Dip Galvanizing facility	Year of Installation		
		Size of bath		
6	Shot Blasting Set up of suitable size	Whether Available ?	Available	OS
E	Other features			
7	Availability of ISO Certificate	Whether Available ?	Available	Not Available
8	From where is the raw material like Steel Plates sourced.	Indicate the probable sources		

Our offer is liable to be rejected in case we have not filled / not marked / left blanks in the above criteria.

Date:

(Signature of Supplier
with Name, Designation and Seal)