



Bharat Heavy Electricals Limited
Heavy Electrical Equipment Plant, Haridwar-249403

Department: WEX-WCS

Tender Document

Name of Work: Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System

Tender Enquiry No. : BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt .14.02.17

Due date of Tender Opening : 17.03.2017

Techno-commercial Bid (Part-1)

Place of Submission of Tender / Bid: Tender Room, Purchase Deptt., 4th floor, Main Administrative Building, BHEL, HEEP, Haridwar-249403 (Uttarakhand)

Contact Person: Mr. Manish Kumar (Sr. Engineer, WEX-WCS)

Contact Address: ADM-4, Ground Floor, WEX-WCS, HEEP, BHEL, HARIDWAR

Email: omanish@bhelhwr.co.in

ppaul@bhelhwr.co.in

azadd@bhelhwr.co.in

Phone: 01334-284543/1332/1022

Fax: 01334-226460

Name of Tenderer:

Address:

Pin code:

Phone No:

Email ID:

Name of Work: Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System	NIT No: BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt . 14.02.17
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NOTICE FOR TENDER (NIT)

BHARAT HEAVY ELECTRICAL LIMITED
HEEP, Haridwar-249403(UTTARAKHAND)

Name of Department	WEX-WCS		
Phone	+91-1334-284543/1332/1022	Fax	+91-1334-226460
Email Address	omanish@bhelhwr.co.in		
Contact Person	Manish Kumar (Sr. Engineer, WEX-WCS)		
NIT Key.	20160160	Dated :	14.02.17
NIT No.	BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt . 14.02.17		
NIT No. on www.bhel.com	31545		
NIT No. on www.bhelhwr.co.in	2467		
Type Of Tender	Open Tender		
#Tender Cost (in INR)	500/- (Exempted for valid MSME & tender downloaded from BHEL website)		
Estimated cost (FOB BHEL Haridwar basis)	-		
EMD (in INR)	33000 /-		
Period of completion of work	12 month		
Two Part Bid /single bid	Two Part Bid		
NIT Value (in Rs.)	16.46 Lacs		
Last Date of Sale of Tender	16.03.2017	Time :	3:30 PM
Last Date of submission of Tender	17.03.2017	Time :	1:45 PM
* Date and Time for opening of Techno Commercial Bid	17.03.2017	Time :	2:00 PM
Place Of submission of Tender	Tender Room, Purchase Deptt., 4th floor, Main Administrative Building, BHEL , HEEP, Haridwar-249403 (Uttarakhand)		

*In case of two part bid, date of opening of Tender means the date of opening of Techno-commercial bid. However date of opening of price bid shall be intimated to technically qualified parties. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working Tuesday/Friday.

Tender cost & EMD shall be submitted either in form of cash receipt issued by cash section, BHEL, HEEP, Haridwar (subject to provision of Income tax act) or Demand draft issued by any nationalised bank in favour of **Sr. Accounts Officer (Cash), BHEL, HEEP, Haridwar** separately in two different envelopes superscribed as Tender cost and EMD respectively. However Tender cost is non-refundable.

Note: Tender Cost shall not be charged if tender documents is downloaded from BHEL website.

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Contracting Executive Name: Manish Kumar
Date:

- BHEL reserves the right to accept or reject any/ all application(s) without assigning any reason thereof.
- If any document submitted by tenderer found false at any stage, the tender/ work order will be cancelled immediately and the financial loss to BHEL if any in making alternative arrangement will be recovered from the contractor.
- BHEL will not be responsible for the loss or delay of tenders in transit in any case.
- All further corrigenda, addenda, amendments, time extensions, clarifications & etc. to the tender, if any shall only be notified on BHEL websites (www.bhelhwr.co.in, www.bhel.com) as applicable. Please visit our website before submitting your offer.
- For detailed instructions/information refer the tender document on BHEL website.

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IMPORTANT INSTRUCTIONS

1. **The offer shall be submitted as per the instructions of tender document. One set of tender document signed by authorized representative of tenderer and stamped on each page & annexures shall be submitted.** Price shall not be mentioned anywhere in the techno-commercial offer. Price shall be quoted in the relevant price bid only and must be submitted in separate sealed envelope. In case of any clarification, bidder may contact the office of undersigned. Overwriting / correction in tender documents shall not be allowed. However if correction is unavoidable, the same may be signed by authorized signatory.
2. **Tender must be submitted in two parts, i.e., (i) Techno-Commercial bid and (ii) Price Bid. Both the offers i.e., “Techno-Commercial bid” and “Price Bid” must be sealed in separate envelopes super scribed with NIT no. and name of the contractor. EMD and Tender cost DD/Cash receipt must be submitted in two different envelopes super scribed as Tender cost and EMD respectively. All the Four envelopes must be sealed in another envelope super scribed with NIT no. , name of the contractor and name of work.**
3. Offer without requisite EMD (earnest money deposit) & Tender cost will not be considered.
4. BHEL reserves the right to accept or reject any or all offers without assigning any reason thereof. BHEL also reserve the right to cancel the tender wholly or partly without assigning any reason thereof. BHEL will not entertain any correspondence with bidders in this regard (**except for the refund of EMD**).
5. For any clarification w.r.t. tender document, bidders may seek the same through telephone/ e-mail to the undersigned before submission of tender document. Last moment queries may be avoided and will not be entertained. BHEL will not be responsible for acknowledging of such queries i.e. ample time should be there to address any query.
6. In the event of any typing error / other clerical errors in the tender documents, noticed by the tenderer, the same must be pointed out before submission of offer, or else, BHEL’s interpretation shall prevail & binding on the tenderer.

Signature of Tenderer with stamp

Opening Officer

Accounts Representative

'ANNEXURE-A'

SCOPE OF SUPPLY AND COMMISSIONING OF DC DRIVE AND PLC SYSTEM ON RUSSIAN PLANER, MODEL- 7A256T, PLAN NO. 1-001, BLOCK-1

A. SCOPE OF SUPPLY:

S.No.	Description	Qty.	Vendor's Remarks	Compliance (Yes/No)
1.0	<p>Four-Quadrant, Digitally-controlled DC Drive of Siemens / ABB with regenerative braking, suitable for following 2 nos. DC motors (to be connected in series), Armature voltage of each motor : 220 V DC, Armature current of each motor : 252 A DC, Field Voltage of each motor: Fixed field at 220 V DC. Required field current rating of the drive: 25 Amps.</p> <p>Drive shall have adequate nos. of digital inputs (minimum 6 nos.), digital outputs (minimum 4 nos.), analog inputs (minimum 2 nos.) and analog outputs (minimum 2 nos.) required to Interface with PLC and field elements (like Ammeter, drive status, indication lamps etc.).</p> <p>Reference signal +/-10V DC (which shall be given to the drive through a potentiometer) should be available in the electrical cabinet either from the drive itself or on a separate electronic card generating +/-10V DC.</p> <p>Note: A Three phase transformer of suitable capacity for 220 V operation of drive, if required; Primary 415VAC +/-10%, Secondary 220VAC enclosed in a ventilated cabinet should be offered</p>	01 No.		
2.0	PLC System (Siemens/ABB) having 104 inputs and 72 Relay type outputs.	01 Set		
2.1	Licensed Software and communication cable for PLC offered against Sl. No.2.0 above.	01 Set		

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3.0	Rotary Incremental Encoder (2500 PPR; TTL/1Vpp) of Heidenhain/ Siemens make, along with suitable coupling, pre-assembled cable and a matching connector for extension cable for connection at the drive end.	01 No.		
4.0	Pre-assembled encoder cable (shielded and armoured) for connecting encoder to Drive – 10 mts.	01 No.		
5.0	Main incoming MCCB Siemens/ABB/L&T (400 Amps.)	01 No.		
6.0	Completely wired up Electrical cabinet (2000mmx1600mmx800mm) with two nos. EBM /Rital -make exhaust fans (1800 m ³ /hr) on both side and fitted with accessories as stated below. Note: Electrical panel component should have enough space for maintenance purpose.	01 Set		
6.1	Semiconductor fuses of suitable rating for AC as well as DC sides of the drive	01 Set		
6.2	Power contactor of suitable rating for drive incoming	01 No.		
6.3	Suitable rating Three Phase High frequency line reactor on input side of drive	01 No.		
6.4	MCB's Siemens/ABB/L&T/BCH make for drive and auxiliary items	01 No.		
6.5	The cabinet shall have digital energy meter, RPM meter, current and voltage meters.	01 No. each		
6.6	Cabinet to be equipped with door operated panel lights with by-pass switch and 5 Amp 3-pin service socket and switch	01 Set		
6.7	Switched Mode Power Supply 24V DC, 10 Amps of Siemens/Meanwell make (one for PLC I/O's and one for auxiliary circuit)	02 No.		
6.8	±10 V DC Power Supply of Siemens/Meanwell make for drive reference	01 No.		
6.9	Suitable rating MCBs, Contactor, MPCBs, terminations etc. of Siemens/ABB/L&T/BCH make required for the control of following induction motor for different machine operations as per existing Electrical Schematic i) Cross Rail Traverse motor (7 kW, 400V) - 01 No. ii) Right Head Feed motor (1.7 kW, 400V) - 01 No. iii) Left Head Feed motor (1.7 kW, 400V) - 01 No. iv) VerticalHead Feed motor (1.7 kW, 400V) - 01 No. v) Milling Head Feed motor (7.5 kW, 400V) - 01 No. vi) Side Head Feed motor (1.5 kW, 400V) - 01 No.	01 Set		

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	vii) Rail Clamp/Unclamp motor (1 kW, 400V) - 01 No. viii) Blower Fan motor (0.5 kW, 400V) - 02 No. ix) Lubrication motor (1.5 kW, 400V) - 01 No.			
6.10	Two winding Transformer (400VA, Pri. 400V / Sec. 36V) with bridge rectifier (10 Amps & PIV 2200 V) mounted on proper heat sink for braking of left head, right head and vertical head.	04 No.		
6.11	Two winding Transformer (1000VA, Pri. 400V / Sec. 220V, 110V tapping) for Main contractor, Blower, 24 V Power supply and PLC.	01 No		
6.12	Two winding Transformer (1200VA, Pri. 400V / Sec. 220V) with bridge rectifier (10 Amps & PIV 2200 V) mounted on proper heat sink FOR TOOL LIFTING	01 No		
6.13	Two winding Transformer (400VA, Pri. 400V / Sec. 110V) with bridge rectifier (10 Amps & PIV 2200 V) mounted on proper heat sink for feed relay of left head, right head and vertical head.	01 No		
6.14	Single phase 16Amps MCB DB box mounted on outer right side of panel	01 No.		
6.15	3 phase 16Amps MCB DB box mounted on outer left side of panel	01 No.		
6.16	Cabinet shall be supplied with a set of additional keys & arrangement for keeping the key when not in use.	01 Set		
7.0	Machine light (Magnetic base portable type) having LED lamp (24 V, 10W) with electronic lamp transformer (220/24V) to be installed on the machine.	02 No.		
8.0	Design and supply of Hanging operator panel (400x180x100 mm) & its engraved front plate (Anodized Aluminium 3 mm thick) and its control switchgears such as push buttons, LED indicating lamps, selector switches, POTs(single turn 10k) with suitable Vernier dial knob etc. as per requirement of different machine operations	01 set		
8.1	Hanging operator panel door shall be mounted on hinge & no component shall be mounted on the door.			
9.0	Conduit for hanging operator panel	4 meter		
10.	Pressure/Flow switch(0.25 GPM) for low pressure indication of table lubrication	02 No.		
11.	Following accessories for wiring of machine, control cabinet & operator pendant - Insulated pin type lugs(0.5, 1.0, 1.5 sqmm) - 200 nos. each - Insulated pin type lugs (2.5, 4.0 sqmm) - 100 nos. each	01 set		

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	- Printed ferrules (0-9 of 1.0 & 1.5 sqmm) - 200 nos. each - Printed ferrules (A-Z of 1.0 & 1.5 sqmm) - 100 nos. each		
12.	Any material not specified in scope of supply but required for successful commissioning of the machine shall be provided by the vendor free of charge.		
13.	Spares: Following items shall be offered priced item wise:		
13.1	Complete PLC system as offered & supplied against SI.No.2.0	01 set	
13.2	Complete drive system as offered & supplied against SI.No.1.0	01 set	
13.3	Switched Mode power supply as offered & supplied against SI. No. 6.7.	01 No.	
13.4	Switched Mode power supply as offered & supplied against SI. No. 6.8.	01 No.	
13.5	Encoder with coupling as offered & supplied against SI.No.3.0.	01 No.	

B. Scope of work:

1.0	All the connections (wiring, ferruling and inserting of lugs / thimbles) of different machine components.		
2.0	Drive & PLC system shall be commissioned incorporating all the operational requirements of the machine and the same shall be demonstrated by the vendor. PLC programming required for all the operational requirements of the machine has to be developed by the vendor.		
3.0	Trial run to be done to ensure smooth functioning of machine after installation and commissioning of all supplied parts and successful handing over of machine.		

C.	<u>DOCUMENTATION:</u>	Qty.	Vendor's Remarks	Compliance (Yes/No)
1.0	Following documents shall be supplied by the Party:			
1.1	Commissioning and service manuals of the drive installed on the machine.	02 Sets		
1.2	Commissioning and service manuals of the PLC	02 Sets		
1.3	PLC program hard copy with comments.	03 Sets		
1.4	New electrical schematic of the machine.	03 Sets		
1.5	All documents including PLC program & modified electrical schematic on CD/pen drive	02 Sets		

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D.	WARRANTY:	
	Vendor shall stand warranty for all the supplied material and work done for a period of one year from the date of successful commissioning of the machine.	
E.	TRAINING:	
1.0	Vendor shall provide training to BHEL staff for operation & maintenance of the system supplied by them during installation & commissioning.	
2.0	Vendor shall provide one week training for maintenance and commissioning of Drives at Manufacturers Training center/Manufacturer Authorized <i>training</i> center for one BHEL Engineer	
3.0	Vendor shall provide one week training in PLC programming at Manufacturers Training center/Manufacturer Authorized <i>training</i> center for two BHEL Engineers	
F.	ACCEPTANCE:	
	Vendor shall demonstrate operation of all parts of the system supplied along with all the features as specified above. Final Acceptance shall be at BHEL, Hardwar after successful commissioning, testing of the supplied system for all operations of the machines.	
G.	DELIVERY:	
1.0	Material: Max. 5 months from the date of award of contract. Early delivery shall be acceptable subject to prior approval by BHEL.	
2.0	Work : Within 30 days from the date of release of machine for work.	
2.1	An activity chart shall be submitted by the vendor detailing all the activities scheduled and time taken to complete the commissioning of the machine.	
H.	LATE DELIVERY (LD) CLAUSE:-	
1.0	LD @ ½% per week subject to a maximum of 10% of the Material cost including spare parts shall be applicable for delay in deliveries. The time period from invitation date for Pre dispatch inspection from vendor to the date of arrival of Pre Dispatch Team to vendor's works and delay for any other reasons attributable to BHEL will not be accounted for in delivery period. This period will be excluded for the purpose of calculating LD. Vendor should intimate BHEL about PDI at least seven days in advance.	
2.0	LD @ ½ % per week subject to a maximum of 10% of the Commissioning Charges shall be applicable for delay beyond scheduled commissioning date for reasons attributable to the vendor.	
I.	PRE-DISPATCH INSPECTION	
1.0	Pre-dispatch inspection of all the items covered under Scope of Supply at Para (A) shall be carried out by BHEL at vendor's works.	
2.0	Vendor shall invite BHEL for carrying out pre- dispatch inspection min. one week in advance.	

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3.0	Deputed BHEL persons shall do pre acceptance at vendor works and give despatch clearance.	
4.0	Expenses of Boarding and lodging of BHEL personnel during PDI shall be borne by BHEL.	
J.	<u>SUBMISSION OF BILL OF MATERIAL (BOM)</u>	
	Before inviting BHEL for Pre-dispatch inspection, vendor shall submit the Bill of Material (BOM) to BHEL at least 7 days in advance.	
K.	<u>EARNEST MONEY DEPOSIT (EMD):</u>	
1.0	Vendors have to deposit Rs. 33,000/- as EMD. The EMD will be accepted only in the following forms: i. Cash deposit as permissible under the extant Income Tax Act (before tender opening) ii. Electronic Fund Transfer credited in BHEL account (before tender opening) 7. Banker's cheque / Pay order/ Demand draft, in favour of Sr. Accounts Officer (Cash), BHEL, HEEP, Haridwar . (along with offer)	
2.0	EMD shall be converted to security deposit if the work is awarded.	
3.0	EMD of unsuccessful bidders shall be refunded back normally within fifteen days of acceptance of award of work by the successful bidder.	
4.0	EMD shall not carry any interest.	
5.0	EMD by bidder will be forfeited as per tender document, if	
i)	After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.	
ii)	The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/ Contract.	
iii)	EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines.	

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6.0	<p>Offers without EMD will be rejected and will not be considered for evaluation. However “The units registered under Single Point Registration Scheme of NSIC are eligible to get the following benefits under “Public Procurement Policy for Micro & Small Enterprises (MSEs) Order 2012” as notified by the Government of India, Ministry of Micro Small & Medium Enterprises, New Delhi vide Gazette Notification dated 23.03.2012.</p> <ul style="list-style-type: none"> Issue of the Tender Sets free of cost; Exemption from payment of Earnest Money Deposit (EMD). <p>Note: - MSE suppliers can avail the intended benefits only if they submit along with their offer, attested copies of EM-II certificate having deemed validity (five years from date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM-II certificate along with attested copy of a CA certificate (Format enclosed Annexure – ‘C’ attached where deemed validity of EM – II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiencies in above required documents are not submitted before price bid opening. If tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal.” Documents should be notarized or attested by Gazetted officer.</p>	
L.	<u>SECURITY DEPOSIT (SD):-</u>	
1.0	<p>Successful vendor shall deposit security. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.</p>	
	<p>The balance amount to make up the required Security Deposit of 5% of the contract value should be submitted before the start of work in the following forms :</p> <ol style="list-style-type: none"> Cash (as permissible under the extant Income Tax Act) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL) <p>(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)</p>	

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2.0	Security Deposit shall not carry any interest.	
3.0	100% of the Security Deposit amount shall be refunded to the vendor after post commissioning successful running of the machine for one month. SD shall be released after the submission of Performance Bank Guarantee(PBG) by the vendor	
M.	<u>Performance Bank Guarantee (PBG):</u>	
1.	Vendor shall be required to submit a Performance Bank Guarantee (PBG) for 10% of the total work order/ contract value which shall be valid for a period of 13 months from the date of final acceptance of the machine.	
2.0	The PBG shall be submitted on a non-judicial stamp paper of value not less than Rs.100/- issued by any one of the nationalised banks.	
N.	<u>PAYMENT TERMS:</u> (Note: No advance payment shall be made to the vendor.)	
1.	Part payment will be made after completion of following milestones	
1.1	First payment of 80% of material cost along with 100% taxes & duties shall be payable after receipt and acceptance of material at BHEL store.	
1.2	Final payment of balance 20% of material cost, 100% of commissioning cost and refund of 100% of the Security Deposit amount will be made after post commissioning successful running of the machine for one month, subject to submission of PBG as per Para 'M'	
2.	All the payments shall be made through e-payment after submission of following documents along with first bill i) E-payment form duly filled (Form will be provided by BHEL) ii) Income tax exemption letter(if applicable)	
3.	Excise duty & CST/VAT will be paid on material cost and service tax will be paid on commissioning charges at actual. Related original documents to be submitted for availing MODVAT credit by BHEL.	
4.	Timely Submission of CENVATABLE invoices along with necessary documents to enable CENVAT (Excise duty, Service Tax & VAT) credit by BHEL. <u>Note:-Whenever CENVAT credit cannot be availed within given time limit due to delay in submission of invoices or, any other reasons attributed to vendor, loss of such CENVAT credit will be recovered from such vendor</u>	
O.	<u>COMMERCIAL TERMS :-</u>	
1.	Prices shall be quoted on "Firm Price" basis only. The prices should only on F.O.R BHEL, Haridwar basis inclusive of Packing & Forwarding charges. Applicable % of ED & Sales Tax, Freight & Insurance, Installation & Commissioning Charges should be clearly indicated in attached Price bid format as per "Annexure-B"	
2.	Validity of offer shall be for a minimum period of 120 days from the date of Tender Opening	
3.	Freight & transit insurance charges from Dispatching station to BHEL, Haridwar shall be borne by vendor	

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4.	“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.	
P.	<u>QUALIFYING CRITERIA:-</u>	
1.	Average Annual financial turnover during the last 3 years, ending 31st March 2015, should be at least 5.0 Lacs. Vendor should submit Audited balance sheets for the last three years.	
2.	Experience of having successfully completed similar works within last 7 years should be either of the following. i) Three similar completed projects with each project costing not less than 6.5 Lacs. OR ii) Two similar completed projects with each project costing not less than 8.0 Lacs. OR iii) One similar completed project with project costing not less than 13.0 Lacs.	
2.1	Definition of Similar works: Retrofitting of machine tools/equipment (Horizontal Borer/ Vertical Borer/ HMC / VMC/Planer Centre Lathe machine) with drive and PLC system within last 7 years from the date of inquiry.	
2.2	Above retrofitted machines should be running satisfactorily for at least 6 months after successful commissioning (on or before tender opening date).	
2.3	Vendor to provide P.O. / W.O copies and commissioning/ performance certificates/handing over minutes of meeting for satisfactory operation of the above retrofitted systems along with name, address & contact details of their customer. BHEL reserves the right to verify the information provided.	
Q.	<u>BHEL'S OBLIGATION:</u>	
1.	Existing electrical schematic of the machine shall be provided by BHEL to the vendor.	
2.	Crane facility and lifting tackles like slings, rope, D-Shackles shall be provided.	
3.	Any machining facility required for rectification/fitting of supplied material, subject to the extent available in BHEL, shall be provided.	
4.	Any civil work required for the erection of panel shall be done by BHEL.	
5.	Electricity, water, fasteners, welding sets, Gas cutting equipment, general purpose welding rods and holders required during commissioning shall be provided.	
R.	<u>GENERAL CONDITIONS</u>	
1.	A point wise compliance statement shall be submitted by the party with reference to the above scope of supply against each clause/ sub-clause with relevant details & comments. Non-compliance to any of the clauses & quoting inadequate quantity can lead to dis-qualification of the offer.	

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2.	Complete specifications such as part no./Model/Type, power of the drive controllers shall be stated in the offer by the vendor. Ordering brochure/catalogue should be attached in which offered parts are highlighted.	
3.	The Vendor is advised to inspect the machine prior to quoting in order to ascertain all the relevant details required for successful completion of the work.	
4.	The proposed electrical schematic & Bill of material shall be provided by the vendor sufficiently in advance of the delivery date so as to enable BHEL to study the same and comment.	
5.	Vendor must compulsorily quote the quantity exactly as per the Scope of supply. No reduction in quantity as per the above Scope of supply is permissible.	
6.	The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com	
7.	The L1 vendor will be decided on basis of the total cost to BHEL including Material cost, Spare Parts cost, Commissioning charges, Transportation, insurance, P&F and taxes/duties as applicable	
8.	Check List as per Annexure 'D' must be enclosed with techno-commercial bid	
9.	Any material not specified in scope of supply but required for successful commissioning shall be provided by the vendor free of charge.	
10.	Material to be used should be of reputed make or as per IS standards.	
11.	Vendor shall bring all tools and testing equipment with them during erection and commissioning.	
S.	OFFER :- The offer should be submitted in two parts and in following manner.	
1.	Techno-commercial Bid :	
1.1	The envelop shall contain the Techno-commercial Bid with technical details and commercial terms & conditions along with relevant documents like copies of ESI, PF code, PAN No., Service Tax Regn. No., TIN No., CST No., Experience Certificates, Audited Balance Sheet of last 3 years, Un-priced price bid as per Annexure# B of NIT and EMD.	
1.2	The envelop shall be super scribed with "Techno-Commercial Bid", Name of work & NIT No.	
1.3	Point-wise compliance of this scope of supply and work is to be given by vendors while submitting their techno-commercial offer.	
2.	Price Bid :	
2.1	The second envelope shall contain only the price bid with separate price for material & work on Price Bid Format as per ANNEXURE 'B' .	
2.2	Price bid document shall be signed by the bidder at the bottom of the page.	
2.3	The envelope shall be sealed and super scribed with "Price Bid", Name of work & NIT No.	
2.4	Price bids of techno commercially accepted vendors shall be opened.	

Signature of Tenderer with stamp

Opening Officer

Accounts Representative

Name of Work: Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System	NIT No: BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt . 14.02.17
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3.	Both the above two envelopes shall be kept in another sealed cover. The cover shall be super-scribed with "Quotation for (name of work), NIT No. & due date and shall be submitted in Tender Box kept in the Tender room of Purchase department at the 4th floor of the Main Administrative Building of BHEL, HEEP, Haridwar and it should also contain Bidder address.	
4.	Any discount/ revised offer submitted by a bidder on its own shall be accepted provided it is received on or before the due date and time of offer submission (i.e. Part-I bid). The discount shall be applied on pro-rata basis to all items unless specified otherwise by the bidder. Unsolicited discounts/ revised offers given after Part-I bid opening shall not be accepted.	
5.	In case there is no change in the technical scope and/ or specifications and/ or commercial terms & conditions, the bidder/s shall not be allowed to change his/ their price bids after the due date.	
6.	In case of changes in scope and/ or technical specifications and/ or commercial terms & conditions, having price implications, techno-commercially acceptable bidders shall be asked by BHEL (after freezing the scope, technical specifications and commercial terms & conditions) to submit the impact of such changes on their price bid.	
T.	<u>Risk Purchase Clause:</u>	
1.1	In case of delays in supplies / defective supplies or non-fulfilment of any other terms & conditions given in the work order, BHEL may cancel the work order in full or part thereof and may also make the purchase of the material / service from elsewhere / alternative source at the risk and cost of the supplier. If vendor does not agree to above clause, their offer is liable to be rejected. In case any vendor accepts risk purchase clause initially and subsequently declines to honour the term in the eventuality of RISK PURCHASE, they may be banned for business with BHEL.	
U.	<u>PACKING:</u>	
1.	Supplier shall arrange for adequate protection and packing of the consignment so as to avoid loss and damage during transit and also take appropriate measures to prevent metal parts from rusting and corrosion during transit. Handling instructions shall be clearly printed /painted on the packages. Each package should carry a detailed packing slip. Supplier shall be responsible for any loss/damage during transit due to defective/inadequate packing.	

Signature of Tenderer with stamp

Opening Officer

Accounts Representative

Name of Work: Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System	NIT No: BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt . 14.02.17
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'ANNEXURE-B'

PRICE BID FORMAT

Name of Work : **Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System**

NIT No. & Date :

Bidder's Offer No. & Date :

Sl. No.	Description of item	Unit	Qty.	Basic Rate (In Rs.)	Excise Duty (In %)	VAT/CST (In %) (VAT with FORM-17 or CST with C-FORM)	Service Tax (In %)	Total Value (In Rs.)	
1	Material	Set	01	Rs.	%	%		Rs.	
2.	Spares	Set	01	Rs.	%	%		Rs.	
3	Installation & Commissioning	Set	01	Rs.			%	Rs.	
4.	Packing & Forwarding charges (in Rs.)								Rs.
5.	Transportation Charges F.O.R. BHEL, Haridwar (in Rs.)								Rs.
6.	Transit insurance charges from Dispatching station to BHEL, Haridwar (in Rs.)								Rs.
TOTAL COST (in Figures)								Rs.	
TOTAL COST (in Words) :									

Signature of Tenderer with stamp

Opening Officer

Accounts Representative

ANNEXURE-'C'

Certificate by Chartered Accountant on Letter Head

This is to certify that M/s (hereinafter referred to as 'company') having its registered office at is registered under MSMED Act 2006, Entrepreneur Memorandum No. Part –IIDtd: Category: (Micro/ small). (Copy enclosed).

Further verified from Books of account that the investment of the company as per the latest audited financial year..... as per MSMED Act 2006 is as follows:

- 1. For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by Ministry of small scale Industries vide its notification No. S.O. 1722(E) Dtd. October 5 , 2006):

Rs. Lacs

- 2. For Service Enterprises:** Investment in equipments (i.e. original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under MSMED Act, 2006):

Rs. Lacs

(Strike off whichever is not applicable)

The above investment of Rs..... Lacs is within permissible limit of Rs.....Lacs for..... (Micro/ small) (Strike off whichever is not applicable) category under MSMED Act 2006.

Or

The company has graduated from its original capacity (Micro/ small) (Strike off whichever is not applicable) and date of graduation of such enterprise from its original capacity is..... (dd/mm/yy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S. O. No. 3322 (E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by ministry if MSME.

Date:
(Signature)
Name-
Membership No.-
Seal of Chartered accountant

Signature of Tenderer with stamp

Opening Officer

Accounts Representative

Name of Work: Retrofitting of Russian planer, Model- 7A256T, Plan No. 1-001, of Block-1 with DC Drive and PLC System	NIT No: BHEL/HEEP/WEX-WCS/16-17/6350/20160160 Dt . 14.02.17
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ANNEXURE 'D'

CHECK LIST FOR TENDER

Vendor shall ensure that following documents / particulars have been enclosed with tender. This check list shall be enclosed with Techno-commercial Bid.

S. No.	Particulars	YES/NO	REMARKS
1.	Sealed Techno-commercial Bid as per Annexure 'A' of NIT		
2	Un-priced price bid as per Annexure# B of NIT alongwith Techno-commercial bid.		
3.	Sealed Price Bid as per Annexure 'B' of NIT		
4.	Compliance to all the points of the Annexure 'A' of NIT		
5.	Audited balance sheets for the last three years should be submitted i.e, 2013-14, 2014-15, 2015-16 required as per clause 'P-1' of Annexure 'A' of NIT		
6.	P.O. copies and Commissioning/ Performance certificates required as per Clause 'P-2.3' of Annexure 'A' of NIT		
7.	Name, address & contact details of their customer required as per Clause 'P-2.3' of Annexure 'A' of NIT		
8.	Tender Fee enclosed		
9.	Earnest Money Deposit (EMD) required as per Clause 'K' of Annexure 'A' of NIT		
10	Complete specifications such as Part no. / Model / Type of Drive and PLC systems. Ordering brochure/catalogue should be attached as per Para 'A-1.0', 'A-2.0' of Annexure 'A' of NIT		

Signature of Tenderer with stamp

Opening Officer

Accounts Representative