



CFFP HWR, BHEL, Haridwar, POSTAL CODE :700091, HARDWAR, UTTARANCHAL, INDIA

RFQ/NIT HEADER DETAIL

ORGANIZATION NAME	CFFP HWR, BHEL	RFQ FLOATED UNDER THE	PURCHASE POLICY
RFQ/NIT REFERENCE	201703651 / 6028	POLICY	
CODE/ENQUIRY NO		RFQ OWNER/NIT	MR AMIT KUMAR GUPTA(Dy.
RFQ/NIT TYPE	OPEN TENDER	OFFICER/ENQUIRY OWNER	MANAGER)
NUMBER OF ITEMS ALREADY	1		
ATTACHED			
CURRENCY	ANY		
DESCRIPTION	ARC FURNACE REGULATOR PANEL		
DETAILED DESCRIPTION	ARC FURNACE REGULATOR PANEL		
NUMBER OF BID PART(S)	2	PUBLISHED DATE	31 Oct , 2017 3:19:28 PM

ATTRIBUTE(S)

ATTRIBUTE NAME	ATTRIBUTE VALUE
Inspection Required	Y
Validity of the Offer (In days- Excluding Tender Opening Date)	120 days
Remarks-I	1.Kindly submit the offer only on e-procurement portal. No need to submit hard copy of offer against this enquiry. 2. Offer must be submitted strictly in line with specification, terms & conditions of enquiry else offer is likely to be ignored. 3. All taxes/duties/levies etc. must be specified correctly in amount or in percentage in respective fields. Incomplete offer shall not be accepted.
Remarks-II	1-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. 2- In case of rejection of material after receipt at CFFP, vendor / supplier is required to take back the rejected material at their cost within 45 days from the date of rejection memo / note. If vendor / supplier fails to take back the rejected material from CFFP within 90 days from the date of rejection memo / note, CFFP has the right to dispose off the rejected material at the risk & cost of the vendor / supplier and no further claim for the rejected material will be entertained.
Remarks-III	Open tender documents are attached. Conditions to break ties in landed price Cases where landed price of two or more vendors are same then while ordering preference will be given to Vendor whose conditions are favorable to CFFP. If all conditions are same for vendors then the vendor whose SPR is more shall be given preference. First time vendor (new vendor) or vendor who has not executed any PO in material category of tender enquiry item/s, their Supplier performance rating (SPR) will be treated as zero. In case, SPR of vendors are equal, then quantity will be distributed equally between those vendors who have quoted lowest landed rate. If quantity ordered is only one piece or where quantity can't be divided equally then preference will be given to vendor whose quality rating is more. If quality rating is also same then ordering will be on vendor whose delivery rating is better.
Minimum Quotation Validity Required(In Days)	120 (VALUE)





CFFP HWR, BHEL, Haridwar, POSTAL CODE :700091, HARDWAR, UTTARANCHAL, INDIA

DATE-TIME DETAIL(S)

BID START DATE
BID OPEN DATE
(SCHEDULED)

31 Oct , 2017 3:20:39 PM
20 Nov , 2017 2:00:05 PM

BID DUE DATE

20 Nov , 2017 2:00:00 PM

PRE-BID DISCUSSION DETAILS

PRE-BID DISCUSSION TYPE NOT REQUIRED

ALTERNATE BID DECRYPTOR(S)

USER DETAILS

MR Rohit Varshney(MANAGER)
MR RAJ KISHORE(Sr. MANAGER)
MR AMIT KUMAR GUPTA(Dy. MANAGER)

TERM AND CONDITION DETAIL(S) - SPECIAL TERM(S)

SL. NO.	CATEGORY	DESCRIPTION
1	SPECIAL TERM(S)	SPECIAL TERM(S) TEST CERTIFICATE IS REQUIRED. GURANTEE CERTIFICATE IS REQUIRED FOR ONE YEAR. KINDLY QUOTE THE OFFER AS PER ATTACHED ANNEXURE, PQC , SPECIFICATION ETC. EARLY DELIVERY SHALL BE ACCEPTABLE. ACCEPTANCE OF MATERIAL SHALL BE AFTER FINAL INSPECTION AT CFFP, BHEL, HARIDWAR. DELIVERY SCHEDULE:- FOR, Destination (Door delivery basis). Destination will be C. Store, CFFP, BHEL, Haridwar. DELIVERY IN ONE LOT WITHIN 2 MONTHS FROM P.O. DATE
2	SPECIAL TERM(S)	SPECIAL TERM(S) GST WILL BE APPLICABLE AS PER GOVT. RULES AT THE TIME OF DISPATCH. TAXES AND DUTIES WILL BE EXTRA AS PER GST RULES. In case of any issue related to GST & pertaining to CFFP, BHEL, kindly send query on mail id: gst.cffp@bhelhwr.co.in GST WILL BE REIMBURSED TO VENDOR AGAINST GST COMPLIANT INVOICE, FILLING OF ONLINE RETURN AND DEPOSIT OF SAME TO GOVT. ACCOUNT. KINDLY CONFIRM THE RA ACCEPTANCE AS PER ATTACHED ANNEXURE

RFQ SPECIFIC REQUIRED ATTACHMENT(S)

PREQUALIFICATION

SL. NO.	SUPPORTING DOCUMENT NAME	MANDATORY	ALLOW EXEMPTION	GROUP
1	PQC	YES	NO	EXPERIENCE
2	SRF FOR NEW VENDOR	NO	NO	PERSONAL
3	KINDLY ATTACH INVOICE CPY AND CFORM AGAINST PQC OF PO PLACED	NO	NO	FINANCIAL

RFQ/NIT ITEM DETAILS

SL. NO.	CODE	DESCRIPTION	QUANTITY	RFQ/NIT U.O.M	OFFER U.O.M
1	FF8122542832	CONTROL PANEL FOR VAD 1PLC BASED DC DRIVE CONTROLLED ARC FURNACE REGULATOR PANEL FOR CONTROLLING ELECTRODE MOVEMENT IN MANUAL AND AUTO MODE CONSISTING OF ALL THE ELECTRICAL ITEMS AS PER DETAIL GIVEN IN ANNEXURE:VAD-EAF.	01.00	NO	NO
ATTRIBUTE DETAILS		ATTRIBUTE NAME	ATTRIBUTE VALUE		
		Lot 1	1		
		Lot Date	2 months from PO		
		Lot Qty	1		





CFFP HWR, BHEL, Haridwar, POSTAL CODE :700091, HARDWAR, UTTARANCHAL, INDIA

IMPORTANT NOTICE

PLEASE READ THE FOLLOWING ATTACHMENT(S) [SEPARATELY DOWNLOADABLE] ALONG WITH THIS RFQ/NIT/ENQUIRY .

RFQ/NIT/ENQUIRY - ATTACHMENTS

LABEL	FILE NAME
4 MSE Suppliers	4 MSE Suppliers.pdf
CA CERTIFICATE FOR MSE VENDOR	CA CERTIFICATE FOR MSE VENDOR.pdf
Reverse Auction terms conditons	Reverse Auction terms conditons.docx
TENDER ENQUIRY CONDITION FINAL	TENDER ENQUIRY CONDITION FINAL.pdf
Annexure	Annexure.pdf
Commercial Terms	Commercial Terms.pdf
Price Bid Format	Price Bid Format.pdf
Guidelines for Foreign Vendors	Guidelines for Foreign Vendors.pdf
Guidelines for Indian Vednors	Guidelines for Indian Vednors 19092017.pdf
19092017	
LC Terms	LC Terms.pdf
pgc	PQC.pdf



Price bid Format

Annexure- E

Sr.No.	Parameters	Cost per unit
1	Main Equipment cost complying all parameters of technical specification. Annexure : VAD - EAF	
2	Spare cost as per 6.1 of technical Specification Aneexure : VAD - EAF	
3	Freight and transit insurance charges upto CFFP, BHEL, Haridwar Stores .	
4	Applicable Taxes (on 1+2+3).	GST.....
		Any other.....

NOTE:

A.	Copy of this sheet without price part must be submitted alongwith techno-commercial offer.
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Signature with seal of company.

Commercial Terms

Annexure: /

Item - Arc Furnace Regulator Panel

Qty - 01 No.

Confirmation/comments on the conditions given below are mandatory. Please confirm the following or else your offer is liable to be rejected.

Sr. No.	Description	Vendor Confirmation
1	Material shall be supplied as per tender enquiry no 201703651/6028 in all respects without any deviation. Point wise reply / confirmation of attached Annexure : VAD-EAF is required to be submitted along with offer.	
2	Pointwise confirmation of PQC is required along with offer.	
3	Supplier will provide Guarantee or Warranty for the period of one year.	
4	Delivery Term: a) For Indian supplier: FOR Destination basis, destination being Stores/CFFP/BHEL Haridwar. b) For Foreign supplier: Delivery CIF, Mumbai: - Date of B / L. Quoted rate should be inclusive of the charges like freight, service tax on freight, insurance, packing & forwarding etc. for the delivery term given above or else proper loading.	

5	Payment Terms: Indigenous Supplier: 80% payment of Supply value plus 100% Taxes & Duties shall be made within 45 days from the date of receipt of material at CFFP / BHEL. Balance 20% of Supply value will be paid after commissioning of equipment at CFFP, BHEL Haridwar. For foreign supplier: 80 % Payment of Supply value plus 100% Taxes & Duties shall be made through USANCE L/C on 70th day of bill of lading date (B/L date) and balance 20% of supply value of purchase order will be through trunk transfer after commissioning of equipment at CFFP, BHEL Haridwar Note : Any deviation, in Payment Terms by bidder w.r.t. tender conditions following loading shall be applicable: (a) Base rate of SBI (as applicable on the date of bid opening: Techno commercial bid opening in case of two part bids) + 6 %, shall be considered for loading for the period of relaxation sought by bidders.. (b) On account of payment through LC, Bank charges shall also be loaded for the deviation in (i) opening of LC by BHEL and (ii) period and amount of LC as per above MIT terms	
6	Currency of offer: Indian Vendor: Only in Indian Rupee. Foreign Vendor: Only in USD /EURO / POUND STERLING/YEN.	
7	Validity of offer: Minimum 180 days from tender opening date.	
8	Prices shall be firm till execution of Order.	
9	Provide name of contact person, mobile no. & email address.	
10	LATE DELIVERY PENALTY CLAUSE (LD): Penalty for late delivery shall be applicable @ 0.5% per week and part thereof subject to a maximum of 10% of total P.O. value (Total material cost + packing and forwarding + freight) from the date of scheduled delivery of Purchase Order.	
11	Disputes: In event of any dispute arising out of contractual obligation, the order being finalized at Haridwar, India will be subject to Indian laws and falls under jurisdiction of the court of Law at Haridwar, India. The overseas supplier hereafter referred to as "Vendor" shall therefore abide by the verdict of court of Law at Haridwar, India.	
12	Delivery of material will be required within 02 months from the date of purchase order.	

13	Planned time for commissioning work will be 15 days .	
14	Early delivery will acceptable.	
15	Unregisterd vendors have to fill SRF (Supplier Registration Form) of their company online at our website www.bhel.com or www. Bhelhwr.co.in . They cn fill the SRFof their company at this site link : https://supplier.bhel.in/	
16	BHEL will prefer to deal directly with foreign vendor/ original manufacturer. In case, vendor engages any Indian agent or take service of any Indian agent, copy of agent agreement required along with offer in line with Annexure-IV attached.	
17	Risk Purchase: In case of delayed/defective supplies or non-fulfillment of any other terms & conditions given in the purchase order, the purchaser may cancel the purchase order and may also make the purchase of such material at the risk & cost of supplier.	
18	Conditions for opening of Price :- As per Reverse Auction clause attached along with tender documents. Kindly read the same carefully and provide your acceptance for the same.	
19	- In case any column is left blank, it shall be deemed to be accepted by vendor. - If any difference is found for any term and condition in the offer and this annexure "I", the terms quoted in this annexure 'I' shall be deemed as final and binding on vendor. - Evaluation shall be on the basis of delivered cost at CFFP(i.e.) "Landed cost Input Tax Credit (ITC)".	
	Note: Attach separate sheet for additional information if necessary. The above terms & conditons supersedes the terms & conditions found contradictory writtenelse where in the tender enquriy.	

PRE QUALIFICATION CRITERIA (P Q C) FOR PLC BASED DC DRIVE.

S.N.	Description	Instruction	Vendor's Response
1	Supplier must be manufacturer or their authorized dealer.	Enclose relevent supporting documents of being a manufacturer OR Valid authorization certificate from manufacturer in case of dealers.	
2	a. Supplier must have executed minimum 1 No. of purchase order of PLC based DC drive control Panel for electrode regulation in Electric Arc Furnace in last 5 years from tender opening date. Purchase order date will be counted for time period calculation. OR Supplier must have executed at least one number of purchase order for supply, installation & commissioning of electric arc furnace (min. 30 T capacity). b. Copy of Purchase order with their performance certificate to be provided.	Enclose at least ONE purchase order of PLC based DC Drive with performance certificate.	
3	Supplier should have minimum average Turn Over (Annual Sales) of 25 Lacs in last two (02) Financial years (15-16 to 16-17).	Enclose balance sheet highlighting sales turnover figure.	

NOTE:

Name, Designation & contact details (Phone, Fax no. and Email add.) of at least two customers where Water Cooled Cable has been supplied in last 5 years.

DETAILS OF ELECTRICAL ITEMS TO BE SUPPLIED FOR THE PLC BASED DC DRIVE ELECTRODE MOVEMENT CONTROL SYSTEM OF VAD

ANNEXURE: VAD-EAF

	ITEM	BHEL Requirement	QTY	Acceptable Makes	Vendor's Comment
1	Control Panel				
1.1	Cabinet	Made of min 2mm Thick sheet steel painted first with corrosion resistant paint followed by suitable no. of coats (min 2) of industrial grey/off-white paint. Cabinet to be provided with protection against reptile/rodent entry and is to be made Dust & Vermin Proof. Suitable Panel AC to be provided for the Cabinet.	01 Set	Rittal/ Schneider	
1.2	Incomer Switch	MCCB of suitable rating (Min 125% of peak load of panel, 50kA Short Circuit Current) with Thermal/Magnetic over current trip (adjustable overload and fixed short circuit), Ground fault protection, tripping relay and Extended rotary drive. Incoming supply will be 415V, 3- ϕ , 50 Hz.	01 No.	Siemens/L&T	
1.3	Switchgear	MCCBs, MPCBs, Contactors, Fuses, Switches including all selector switches and push button actuators (which shall be self illuminated type), O/L Relays (if used) of suitable ratings. Min Power Contactor rating : one step higher than the current rating required considering 25% overload. Only Semiconductor Fuses are to be used with semiconductor devices, all other circuits to be protected through MPCBs/MCCBs/MCBs of suitable rating.	01 Set	Siemens/L&T	
1.4	Meters				
1.4.1	Ammeters for Incomer	Analog Ammeters of suitable rating; one for each phase	03 Nos.	AE/MECO	
1.4.3	CTs	Current Transformers of suitable rating as per need	03 Sets	AE/KAPPA	
	Ammeters for Armature current of winch motor	Analog Ammeters of suitable rating; one for each motor	03 Nos.	AE/MECO	
1.4.4	Voltmeters for Incomer	Analog Voltmeters of suitable rating; one for each phase	03 Nos.	AE/MECO	
1.4.5	Indicators	High Luminosity LED Based indicators for Phase live, Motor Run-Off-Trip and Various Faults of Machine, Drives & PLC.	01 Set	Reputed	
1.5	Power Outlet Sockets	220V, 5/15 Amp Switch Socket	01 Set	Reputed	
1.6	Panel Illumination	CFL based, Door switch operated, Panel Illumination of rating suitable for sufficient illumination of the panel during maintenance work, in each section	01 Set	CFL: Philips/GE/ Crompton Greaves Door/Sw: Reputed	
1.7	Terminals & Wiring				
1.7.1	Terminals	All Power and Control Terminals arranged in different sections (Power & Control), including atleast 10% extra Terminals in each section. All control Terminals to be suitable for pin type Lugs unless otherwise specified by the manufacturer of particular control components	01 Set	LAPP/WAGO/ IGUS/PHOENIX	

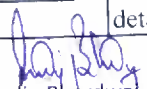
Sudip Bhardwaj
Sr. Engr.(SMS- Maint.)

I.K.Uttam
Manager (SMS-Maint)

27/7/2017

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	ITEM	BHEL Requirement	QTY	Acceptable Makes	Vendor's Comment
1.7.2	Wiring (Wires and Cables)	All wiring including wires/cables within panel and from panel to the Winch Motor, Control Desk and Transformer Tap Changer. Within panel, all wires to be laid in suitable covered wiring (troughs/channels/trays). Between panel and Winch Motor, all wires/cables are to be laid through suitable covered cable trays/drag chains/flexible reinforced conduits etc.	01 Set	General purpose Wires/Cables: Lapp / IGUS/ Finolex, Special Purpose Wires/Cables: Lapp/IGUS or as specified by drive/PLC/ Encoder manufacturer	
1.7.3	Cable Lugs	All wiring termination to be through appropriately sized Copper Crimping Lugs.	01 Set	Reputed	
1.7.4	Cable Marking Ferrules	All wires (Power & Control) to be suitably marked with marking ferrules of appropriate size at each end.	01 Set	Reputed	
1.7.5	Cable Glands	All cabling to be done through Cable Glands, suitable for each individual cable. All cable entry to be through removable gland plate provided at the bottom of the panel.	01 Set	Reputed	
1.7.6	Cable Trays/Troughs/ Channels/Drag Chains /Flexible or Fixed Conduits etc.	Ref 1.7.2 above	01 Set	Reputed	
1.8	Control Supply	All Control and Auxiliary Supplies to be derived from incomer 3-Ø, 3-Wire, 415VAC supply using suitable transformers / Rectifiers / Converters / Regulators / Power Supply Units etc. All contactors and relays except relays driven directly by PLC O/P to be at 220V AC. Relays driven by PLC O/P to be of 24V DC.			
1.9	Transformer Tap Changer	Existing system consist of 1-17 taps (120V-325V). Existing CT's (25KA/5A) are to be used for current feedback.			
2	PLC	Profibus enabled Siemens make Simatic S7-400 PLC including CPU, Centralized (for devices within panel) and Distributed (for devices in field) IO Cards, 64DI, 32DO, 16AI (min. 14 bit), 8AO, Power Supply Cards, Relay Cards, Profibus Cables. All hardware to be of same basic type. Hardwares with mixed basic types (e.g. CPU S7-400 with I/Os of S7-300/200) will not be accepted.	One set	Siemens	
2.1		All the wiring, from PLC Section to the other sections of the panel will be through terminal blocks only.			
2.2	Relay Board	8-Channel, 2-Pole (2NO+2NC), relay boards, prewired to the terminal blocks & DO Modules mentioned at 2 above.	4 Nos.	Same as make of PLC or Phoenix	
3	DRIVE SECTION	All hardwares like Power Transformer (440/220V), Drive, Switchgear, Controlgear, Protectivegear as per following details etc. Available input supply 415V, 3-Ø, 50 Hz	One set		

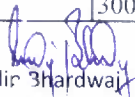

Sudip Bhardwaj
Sr. Engr. (SMS- Maint.)

 I.K. Uttam
Manager (SMS-Maint.)

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ANNEXURE: VAD-EAF

	ITEM	BHEL Requirement	QTY	Acceptable Makes	Vendor's Comment
3.1	DC Drive	Four Quadrant Digital DC Drive for existing winch motor (DC Motor, Type- Separatly Excited, 3/4 Kw/HP, 1500 RPM, Armature Voltage-220 V, Armature Current-15.5 Amp, Field Voltage-220 V Field Current-0.265 Amp.) in Open loop & Closed loop system.	03 Set	Siemens	
5	Tools & Tackles	All the tools and tackles for installing the system including any special tools shall be arranged by the supplier. All the special tools and tackles will be retained by BHEL for the maintenance purposes. BHEL will provide if the need be and subject to availability, only EOT crane facilities, power and water for use during installation of the system			
15	Training	Vendor shall provide adequate training to four BHEL persons on the above Drive (Clause 3.1) & Simatic S7-400 PLC, in its training Center.			
6	General Comments				
6.1		The supplier shall provide a list of spares required for trouble free operation of the machine after completion of the work.			
6.2		All the switchgear components including MPCBs, Contactors, Overload relays, Push Buttons etc. shall be of Siemens/L&T make only unless otherwise specified.			
6.3		All other components shall be of reputed make if not specified above. Vendor to mention exact make(s) for all the items for which specific make is not specified. CFFP reserves the right to select one or more make out of the offered ones. Any deviation from specified makes will render the offer rejected.			
6.4		All the drawings including structural and tentative circuit diagrams, shall be approved by BHEL, prior to commencement of manufacturing of the Panel/Desks/Stations etc. Drawings will be approved within 15 days of their submission to BHEL. However, increase in total time for drawing approval on account of incorrect drawings will not form a basis for increase in delivery time. Please also refer special terms and conditions.			
6.5		The offer must include detailed BOM including makes, types and ratings of all the components. Offers without detailed BOM will be liable to be rejected			
6.6		IT IS STRONGLY RECOMMENDED TO ALL POTENTIAL BIDDERS TO VISIT THE PLANT AND THE MACHINE BEFORE BIDDING. ANY PRESUMPTION BY THE BIDDER REGARDING THE CONDITION OF THE MACHINE, ITS COMPONENTS ETC. SHALL NOT BE ENTERTAINED BY BHEL ONCE THE PRICES ARE FIRMED UP.			
7	Documents:	Soft copy in a pendrive and Three sets of hard Copy of final circuit diagram & PLC Programm will be submitted after commissioning of the Machine.			
8	Ambient Conditions				
8.1	Max temperature	50°C			
8.2	Min temperature	0°C			
8.3	Relative humidity	97% max			
8.4	Altitude	300m above MSL			


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	ITEM	BHEL Requirement	QTY	Acceptable Makes	Vendor's Comment
9	<u>Spares</u>				
9.1		PLC unit as per Clause No. 2	01 Set		
		DC Drive as per Clause No. 3.1	02 Set		
		Panel AC	1 No.		



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9/7/2017