



TENDER TERMS & CONDITIONS OF Medium Voltage MCCB Distribution Board

[Address: BHEL Industrial Valve Plant: 433, Industrial Complex, Goindwal Sahib,
Distt Tarn Taran, Punjab-143422]

THIS TENDER IS THROUGH E-PROCUREMENT MODE.

Online bids in two parts are invited for the “Supply of Medium Voltage MCCB Distribution Board”. The relevant documents can be downloaded from <https://eprocurebhel.co.in>.

Tender Enquiry No	2122-019E
Enquiry date	14-July-21
Last time and date of tender submission	1400 Hrs 27-July-21
Tender opening time and date	1530 Hrs 27-July-21
Quotation Parts	<u>Two-part Bid</u>
Item Description	Medium Voltage MCCB Distribution Board
Item Qty	1 No
Item Specification	<u>As mentioned in Technical Specification (Annexure-A)</u>
Validity of offer (In days)	<u>90 days</u>

PRE-QUALIFICATION CRITERIA

As per Annexure-A & B attached.

SPECIAL TERMS

Design, manufacture and supply of Medium Voltage, Floor mountable, indoor & cubicle type distribution board comprising of MCCBs, busbar chamber, cable alley and conforming to the specification and features given below and in the scope of supply. All the MCCBs and changeover should be provided with rotary handle on the front side of the panel for manual operation, as per technical specification attached (Annexure-A).

Delivery of Medium Voltage MCCB Distribution Board should not be later than 90 days from date of release of PO/LOI

These Special terms & conditions and GCC collectively are the part of tender terms and conditions.



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ANNEXURE-A :

TECHNICAL SPECIFICATIONS OF Medium Voltage Distribution Board REQUIRED AT: BHARAT HEAVY ELECTRICALS LIMITED, INDUSTRIAL VALVES PLANT, GOINDWAL SAHIB, PUNJAB

Technical Specification for Medium Voltage MCCB Distribution Board				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Design, manufacture and supply of Medium Voltage, Floor mountable, indoor & cubicle type distribution board comprising of MCCBs, busbar chamber, cable alley and conforming to the specification and features given below and in the scope of supply. All the MCCBs and changeover should be provided with rotary handle on the front side of the panel for manual operation.	Vendor to confirm		
1.0	Specification of MCCBs to be used			
1.1	Current rating per way at 415V, 50Hz	63 A/ 100A/ 125A/ 200A/ 400A/ 630A		
1.2	Configuration	Three poles and neutral. Vendor to confirm		
1.3	Breaking Capacity	25kA/35kA at Ics=100% Icu as mentioned itemwise below. Vendor to confirm		
1.4	Type of Release	Thermo-magnetic release. Vendor to confirm		
1.5	Accessories for each MCCBs circuit :- Spreader links, auxillary contacts, control MCBs & neutral links	Of suitable current rating and size. Vendor to confirm		
1.6	Type of Enclosure	CRCA Sheet Steel		
1.7	Accepted Make at Type of MCCB- Siemens, Schneider, L&T, ABB, Legrand	Vendor to specify.		
2.0	Busbar Rating Specification-			
2.1	Configuration	Three poles and neutral. Vendor to confirm		
2.2	Material	100% Copper		
2.3	Busbar Chamber	CRCA Sheet Steel		
3.0	Accessories to be provided- Digital Ammeter, Digital Voltmeter, Digital Energy meter for main-incomer with suitable capacity current transformer. Selector switches to be provided.	Vendor to confirm.		
3.1	Accepted Make of measuring meters- L&T, Conzerv, Selec, Mutlispan.	Vendor to confirm		
3.2	Indication Lamp (LED Type)	Three lamps for all phases and on/off indication for each outgoings & incomer.		
4.0	Approx. Overall Dimesions of the panel	Vendor to specify dimensions		



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5.0	General Features of the MCCB Distribution board:			
5.1	The panel shall be of cubicle type construction with enclosed busbar chamber in the middle and MCCB units mounted on the front side of panel. The CRCA sheet steel should be of atleast 16 SWG.	Vendor to confirm		
5.2	Busbars shall be made of high conductivity copper.	Vendor to confirm		
5.3	The neutral busbars shall have a continuous current rating of 50% of the busbars. All busbars shall be insulated, colour coded for easy identification of individual phases and neutral.	Vendor to confirm		
5.4	The earth busbar of size 3x25 mm G.I. Flat shall run through out the length of panel and be terminated at the two ends of panel.	Vendor to confirm		
5.5	High Tensile bolts & spring washers shall be provided on all busbars & connection joints.	Vendor to confirm		
5.6	All sheet metal used in the panel shall undergo a rigorous metal treatment process involving alkaline degreasing, descaling in dilute sulphuric acid, phosphating and painting.	Vendor to confirm		
5.7	The MCCBs shall be provided with cable adapter box for cable termination.	Vendor to confirm		
5.8	Adequate number of busbar supports shall be provided to withstand short circuit current.	Vendor to confirm		
5.9	The panel shall be provided with minimum IP52 protection.	Vendor to confirm		
5.10	The distribution board shall be provided with suitable arrangements for floor mounting arrangement.	Vendor to confirm		
5.11	The connections from the busbars to the MCCBs shall be through copper bus bar of adequate cross section. Neutral link to be provided with in-comer and each out goings.	Vendor to confirm		
5.12	The distribution board shall be powder coated with pure polyester powder of Light grey shade RAL 7032.	Vendor to confirm		
5.13	The construction of the panel shall generally conform to the Indian Electricity Rules & MCCBs shall conform to relevant IS.	Vendor to confirm		
5.14	Air natural through vents/louvers should be provided with filters for cooling of panel.	Vendor to confirm		
5.15	All doors shall be provided with heavy-duty locks & three set of keys shall be provided.	Vendor to confirm		
5.16	Lifting arrangement i.e. hooks to be provided for lifting & shifting of panel board.	Vendor to confirm		
6.0	Reference List/ Qualifying Conditions:			
6.1	Only those manufacturer should quote who have supplied similar or higher capacity/size similar equipment, PO & LR copy to be provided of such supply which shall be of within last five years period.	Vendor to confirm		



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7.0	Documentation-			
7.1	Two copies of documentation containing the drawing with dimension, component details & operation & maintenance manual to be provided with supply.	Vendor to confirm		
8.0	ACCEPTANCE: (Tests / Activities to be Performed by Vendor)			
8.1	Technical specifications requirement compliance will be checked by BHEL representative at supplier's works before dispatch. Pre-dispatch inspection call to be raised by vendor for above inspection work.	Vendor to confirm		
8.2	IP Conformance test certificate, technical specifications compliance report and Calibration certificates of electrical measuring instruments.	Vendor to confirm		
9.0	Scope of Supply	Quantity		
9.1	<u>MCCB Distribution Board I-</u> Incomer- 630 amps TPN MCCB, 35 kA - 01 no. Outgoings- 1. 400 amps TPN MCCB, 35 kA - 01 no. 1. 200 amps TPN MCCB, 35 kA - 03 no. 1. 125 amps TPN MCCB, 35 kA - 02 no. 1. 100 amps TPN MCCB, 25 kA - 02 no. 1. 63 amps TPN MCCB, 25 kA - 02 no. Main Bus Bar Rating- 1000 amps	01 no.		



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ANNEXURE-B

COMMERCIAL TERMS AND CONDITIONS CONFIRMATION SHEET

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this Compliance Form is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed, the offer is liable for rejection)

Please note that the conditions indicated in the commercial terms and conditions applicable for the tender are applicable only to the extent they are not superseded by the following conditions

Description of the item: Procurement of Medium Voltage MCCB Distribution Board

BHEL tender no. & Date: 2122-019E dated 14.07.2021

Sl. no.	Description	Vendor's confirmation
1.0	Price Bid: Price Bid should contain the schedule of price particulars and to be correlated to the technical details provided in Part I. The prices contracted shall be firm till the execution of the contract in full and in all respects. The evaluation of tender shall be on the basis of "NET CASH OUTFLOW VALUE (total cost to BHEL)."	
2.0	Validity: Validity of the offer should be 90 days from the date of tender opening.	
3.0	Payment terms: 100% payment, within 30 to 45 days, after successful commissioning & acceptance of equipment at BHEL, Goindwal, Punjab. Payment will be released only after receipt of Performance Security. NOTE: In case of any deviation from standard payment term mentioned above, BHEL may load on the item price at Benchmark Prime Lending Rate (BPLR) of SBI as applicable on the scheduled date of tender opening (Part-I bid in case of two part bid) + 6%, for the amount & period of relaxation sought by bidder.	
4.0	Currency of payment: The currency shall be Indian Rupees.	
5.0	Taxes & Duties: a. Documents to be submitted (if applicable) i. Tax invoice (Invoice shall be GST compliant and should contains all the required information such as GST No, HSN code etc.) i. Transporter copy along with material/consignment. ii. Material Test Certificates (MTC) and iii. Compliance Certificate. a. GST registration number is to be submitted by qualified vendor as per GST law. b. It is mandatory to mention proper material codes in the invoices and separate invoices to be raised for different POs. c. BHEL releases payment through EFT mode ONLY. Necessary details may please be submitted by filling required format before release of payment.	



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	<p>d. Conditions relating to release of GST portion: Payment of GST portion will be released to vendor only upon completion of statutory requirement and further subject to following: The reimbursement of GST portion of invoice shall be released only upon: -</p> <ol style="list-style-type: none"> 1. vendor declaring such invoice in his GSTR-1 and 1. receipt of goods and Tax invoice by BHEL and 2. Confirmation of payment of GST thereon by vendor on GSTN portal. 3. Above is subject to receipt of goods/service and tax invoice thereof along with vendor declaring invoice in his return and paying GST within timeline prescribed for availing ITC by BHEL. <ul style="list-style-type: none"> - In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied / leviable on BHEL. - In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor alongwith interest levied / leviable on BHEL. 	
6.0	Delivery Period: Delivery Period required by BHEL is 90 days.	
7.0	<p>LIQUIDATED DAMAGES (LD):</p> <p>Delivery terms mentioned in the PO/LOI shall be adhered to. In case of approval of drawings or any other technical documents, a nominal period of 15 days shall be considered as included in the delivery period mentioned. If BHEL is taking more time in such approvals, delivery period can be extended accordingly. All such technical documents to be approved by BHEL shall be submitted within 15 days of release of PO/LOI. Delivery of the goods specified in the purchase order should be made within the time prescribed.</p> <p>Penalty on delay in 'Supply' will be applicable to the delays attributed to vendor. The rate of penalty for delayed Supply shall be @ 0.5% per week of delay of total PO value subject to a maximum of 10% of total PO value.</p> <p>If any vendor does not accept PLD ½% of the supply for each week of delay subject to a maximum of 5%, their offer is likely to be rejected by BHEL and the price bid shall not be opened. Bidders accepting for 10% PLD shall not be loaded on account of PLD. However, bidders who offer any</p>	



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	<p>other % PLD [between 5% to 10%] shall be loaded @ % deviation from 10% and their accepted %. e.g. If a bidder accepts for a max of 7% LD only, their offer would be loaded @ 3% (10 – 7 = 3). As regards LD, the delivery date (FOR dispatching station) shall be considered.</p> <p>In case, any shortage is noticed viz-a-viz PO requirement in the main equipment / spares, such shortages shall be replenished by supplier on FOR destination basis without any cost implication to BHEL i.e. Custom Duty and freight charges etc. up to destination for such short supplies shall be borne by the supplier.</p>	
8.0	<p>SHORT SUPPLY / WARRANTY REPLACEMENT:</p> <p>In case, any shortage is noticed viz-a-viz PO requirement in the main equipment / spares, such shortages shall be replenished by supplier on FOR destination basis without any cost implication to BHEL i.e. Custom Duty and freight charges etc. up to destination for such short supplies shall be borne by the supplier.</p>	
9.0	<p>Risk purchase:</p> <p>If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order.</p> <p>BHEL reserves the right not to consider offers from vendors not accepting the above Risk Purchase terms.</p>	
10.0	<p>Guarantee / Warranty:</p> <p>Vendors shall provide a guarantee of machine performance for 12 months from the date of commissioning of the equipment at BHEL Goindwal and shall provide spares and services during warranty period to maintain the machine in working condition.</p> <p>Offers from vendors not accepting to the requested guarantee period are liable for rejection.</p>	
11.0	<p>Performance Security: Performance Security for 3% of the total order value covering the agreed Guarantee period (with additional 2 months as claim period) has to be furnished by the L1 bidder. Performance Security shall be as per BHEL format and as per mode/bank described by BHEL. In case any bidder does not accept for submission of Performance Security, their offer is likely to be rejected and the technical bid not processed. All bank charges in India and outside India will be to the supplier's account.</p> <p>Performance Security shall be deposited along with supply of material. In case of delay in submission of performance security, enhanced security which would include interest (SBI rate + 6%) for the delayed period, shall be submitted by the bidder.</p>	



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12.0	Contacts: Details of contact person's name, designation, department with complete postal and email address along with phone and fax numbers to be mentioned	
	Name:	
	Designation:	
	Email ID:	
	Phone No.:	
	Mobile No.	
	Fax No.:	
	Address:	
13.0	Terms of Delivery: FOR, BHEL, Stores Industrial Valves Plant 433, Industrial Complex Goindwal – 143 422 District: Tarn Taran (Punjab), India	
14.0	Weight: Approximate Net weight of the total consignment Approximate Gross weight of the total consignment	