


REQUEST FOR QUOTATION

	BHARAT HEAVY ELECTRICALS LIMITED Electronics Division PB No. 2606, Mysore Road Bangalore - 560026 INDIA	RFQ NUMBER: AKSPROP031 RFQ DATE : 05.09.2022	Due Date/Day: 19.09.2022 MON Time : 13:00 HRS <div style="background-color: black; width: 100px; height: 15px; margin: 5px auto;"></div> <div style="background-color: black; width: 100px; height: 15px; margin: 5px auto;"></div>
MMI:PU:RF:003			
(address for communication) :		(for all correspondence) Purchase Executive : ABHISHEK Phone : 26998102 Fax : 00918026989215 E-mail: singh.abhishek@bhel.in	

1) This RFQ is for entering into Rate contract (RC) with BHEL for the tendered item. Validity of the RC will be 1 year from the award of rate contract. Firm orders will be placed during the tenure of rate contract. Prices will remain firm till the validity of RC or till the completion of supplies against the Purchase Orders placed against this rate contract whichever is later. Please note that these quantities are projections based on the current business scenario and expected orders from customers. In the eventuality of business not coming through, BHEL is not obligated to exhaust the ordering of RC quantities.




2) Reverse Auction Clause: BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

SI No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	TI0668104295 Male M XXXXXXXXXX quick couplin * HSN/SAC : 3921 <div style="background-color: black; width: 300px; height: 15px; margin: 5px 0;"></div> Male XXXXXXXXXX quick coupling XXXXXX <div style="background-color: black; width: 300px; height: 15px; margin: 5px 0;"></div> As per Specification PS4452693 Rev No 00	9,000	NO	9,000	<div style="background-color: black; width: 50px; height: 15px;"></div>

Total Number of Items - 1

- 1.
- 2.

NOTES: 1. This RFQ is governed by: a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions) b) Any other specific Terms and Conditions mentioned. <div style="background-color: black; width: 500px; height: 15px; margin: 5px 0;"></div> <div style="background-color: black; width: 150px; height: 15px; margin: 5px 0;"></div> * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.	For and On behalf of BHEL. ABHISHEK Control Equipment 1 OF 1
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		 A4-10	<h1>Pre-Qualification Criteria</h1>		TE/445/LOCO- HQRC	
					Rev. : 01	
					Page : 01 of 01	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> COPY RIGHT AND CONFIDENTIAL THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY. </p>		<p>Introduction :</p> <p>These hydraulic quick release couplings are being used for locomotive traction panels supplied by BHEL to Indian Railways. Hydraulic quick release couplings are made from CS treated with QPQ /SS304.They are also subjected to intense shock and vibration loads in service.</p> <p>Clause:</p> <ol style="list-style-type: none"> Bidder should have a clean track record. i.e. the Bidder should not be under hold or blacklisted by any of the BHEL units / any Govt. of India PSU / Govt of India as on bid submission date. Supporting Document: A self-declaration shall be submitted by the Bidder along with the quotation. <ol style="list-style-type: none"> Bidder should have supplied hydraulic quick release couplings as per specification PS/445/2693 to traction Converter Panel with liquid cooling circuit/Equivalent, directly to Indian Railways or indirectly to Indian Railways through Sub Vendors. Supporting Document: <ol style="list-style-type: none"> Proof of supply such as Invoice / P.O. copy shall be furnished with the Offer. (or) Bidders who have not supplied above hydraulic quick release couplings earlier shall be considered for only Development order and not for this tender. Development PO will be placed only if BHEL is satisfied with capability of vendor to manufacture this product. Vendor should have achieved minimum annual Turnover Rs 0.72 Cr during each of the last 3 years. Supporting Document: Certificate from Chartered Accountant in this regard should be submitted along with the offer It is preferred that the bidder is the manufacturer of this item. If the bidder is importing the item, then minimum value addition in India shall be 20%. Bidder to confirm this in the offer. Value addition less than 20% is not acceptable. Supporting Document: A self-declaration shall be submitted by the Bidder along with the quotation. Vendors, who are not registered in BHEL EDN for supply of hydraulic quick release couplings at the time of quoting, shall submit following document along with the quotation. BHEL representatives may inspect the vendor's works to ascertain their capability of executing the tender. <p>Documents:</p> <ol style="list-style-type: none"> Details regarding the facilities (Machineries, Tools, Manpower-Welders etc.) available at their works. QS Related documents such as PQR, QAP etc. 				
		<p>Note:</p> <p>1)Clause wise confirmation to above PQC shall be mandatorily submitted with Offer in format-Annexure- A. Offers without same will be summarily rejected and Bidder's Technical offers / proposals will not be evaluated.</p>				
		<p>REVISIONS:</p> <p>01)Clause added for local content.(Date:27.08.22)</p>			<p>APPROVED BY</p> <div style="text-align: center;">  DEVANAND.V </div>	
			<p>PREPARED BY</p> <div style="text-align: center;">  Narasimha Yadav </div>	<p>ISSUED</p> <p style="text-align: center;">445</p>	<p>DATE</p> <p style="text-align: center;">22.08.2022</p>	

<div>Annexure -A<div>Reference- TE/445/Loco-HQRC</div></div>					
Name Of the Vendor					
Address & Contact No.					
BHEL Registration No.					
RFQ Detail					
PQC Compliance					
PQC Clause No.	Clause Description	Complied	Supporting Document Detail		Remarks
		Yes/No	Detail	Doc. No.	
1					
2					
3					
4					
5					
Signature and Seal of Vendor					



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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

P.S NO. : PS/445/2693

REV. NO : 00

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SPECIFICATION FOR

High pressure fluid Coupling for Traction application

REVISION HISTORY:

REV.No.	DATE	NATURE OF CHANGE	REASONS	PREPARED BY	APPROVED BY
00	16.12.2020	FIRST ISSUE	--	Narasimha	Devanand V

ANY DEVIATIONS TO THIS DOCUMENT TO BE BROUGHT OUT CLEARLY BY VENDOR ALONG WITH TECHNICAL OFFER.

Revision 00

Dated 16.12.2020

APPROVED BY:

Devanand V, DGM (TE)

PREPARED BY:

Narasimha

Issued By

TE

DATE

16.12.2020

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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

P.S NO. : PS/445/2693

REV. NO: 00

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SPECIFICATION FOR High pressure fluid Coupling for Traction application

1.0 SCOPE:

This technical specification covers the requirements of design, manufacture, testing at works, packing and dispatch of High pressure fluid coupling as per ISO 16028.

2.0 APPLICATION:

High pressure fluid Coupling mentioned in this Purchase Specification is required to be used in various Traction Loco Projects.

3.0 ELIGIBILITY CRITERIA:

The Bidder should be approved by BHEL and should have supplied the offered item for Indian Railways projects of EMU/MEMU/DEMU or Locomotives or Metros operating in India.

4.0 CLAUSE BY CLAUSE COMPLAINT:

Vendor to submit clause by clause compliance to complete Purchase specification along with the technical bid.

5.0

Offered Male and Female components shall be independently interchangeable with Couplings of other make.



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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

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6.0 ITEMS COVERED UNDER THIS PURCHASE SPECIFICATION

Sl. No.	BHEL Material Code	Cable Details
		Description
1	TI0668104295	High pressure fluid Coupling for Traction application (Male)
2	DV0688171710	High pressure fluid Coupling for Traction application (Female)

7.0 TECHNICAL SPECIFICATION :

Sl. No.	Description	Requirement
1	Material	CS/SS
2	Treatment	QPQ for CS
3	Sealing	EPDM
4	Style	Flat Surface
5	Backup Ring	PTFE
6	System Connection	Push
7	Locking Mechanism	Ball locking system
8	Interchangeable	Yes
9	Application Fluid	Water(70%)+Glycol(30%) (Antifrogen N44%)
10	Size inch	3/8 BSPP
11	Rated Pressure (bar)	7.5
12	Max operating pressure (bar)	10
13	Working temperature range max	80 degree cecius
14	Working temperature range min	-20 degree cecius
15	Rated Flow (l/min)	23
16	Max Flow (l/min)	46
17	Burst (ISO 18869)	>40
18	Connect force (ISO 18869):N-m	58.8
19	Disconnect force (ISO 18869):N-m	186.2
20	Spillage (ISO 18869) cc	0.01
21	Pressure Loss at rated flow(bar)	1

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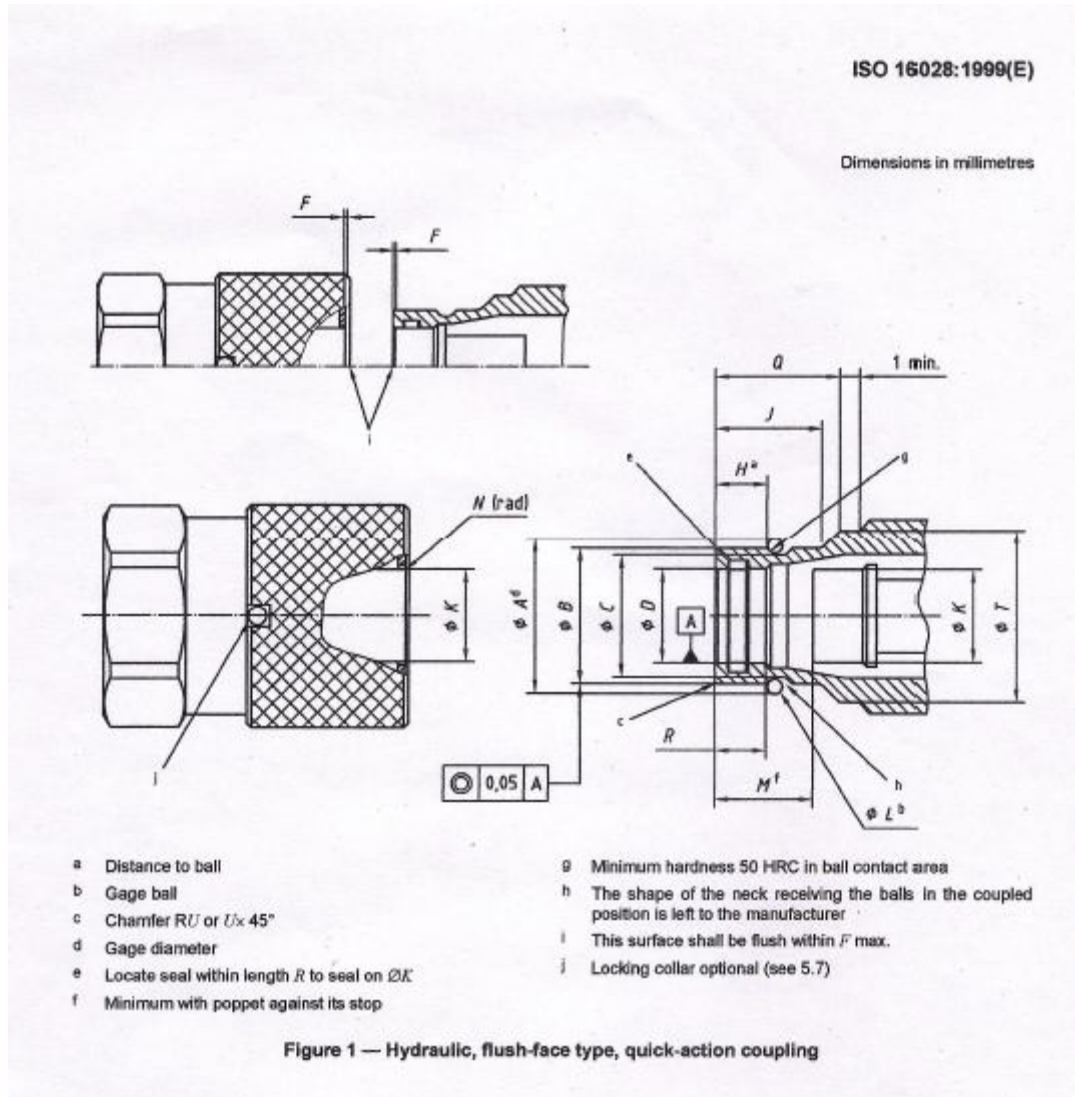
PURCHASE SPECIFICATION
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Drawing and Dimensions:



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PURCHASE SPECIFICATION **GROUP: TRACTION ENGINEERING**

P.S NO. : PS/445/2693

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Table 1 — Dimensions for hydraulic, flush-face type, quick-action couplings

Size	Dimensions in millimetres															
	A	B	C	D	F	H	J	L	M	N	R	T	U	K	Q	
6,3	20,50	16,10	14,05	9,70	0,6	5,70	11,56	3,175	10,80	0,18	7,65	20,70	0,25	9,55	13,85	13,95
10	24,10	19,66	17,53	12,70	0,6	4,68	16,25	3,175	15,60	0,25	9,65	23,24	0,25	12,50	18,11	18,21
12,5	30,15	24,45	21,90	15,62	0,7	9,75	17,35	3,969	16,90	0,25	10,40	30,40	0,5	15,51	20,30	20,40
16	32,65	26,95	24,40	17,82	0,7	9,75	17,35	3,969	17,50	0,30	10,50	32,90	0,5	17,48	20,30	20,40
19	36,68	29,87	26,80	20,87	0,9	11,30	23,20	4,762	21,50	0,30	11,25	36,00	0,5	20,46	27,30	27,40
25	44,65	35,94	32,10	23,67	1,1	10,80	23,20	6,350	22,60	0,43	13,05	45,25	0,75	23,48	29,85	29,95



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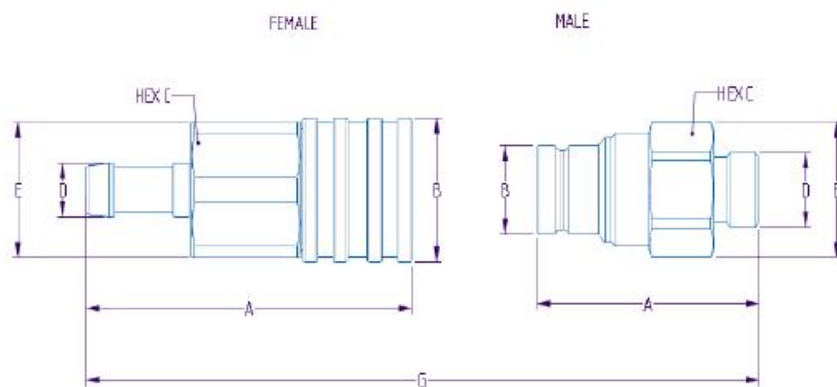
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DIMENSIONAL DETAILS

PART NO	PART NAME	A	B	C	D	E	G
	MALE	59.6	19.7	27	3/8" BSP	30	130
	FEMALE	87.6	31.8	30	3/8" H	31.9	



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8.0 CLIMATIC & ENVIRONMENTAL CONDITIONS:

Offered Items should comply with the following environmental conditions.

- (a) Relative Humidity: up to 98% saturation during rainy season which may be as long as five (5) months.
- (b) Altitude: At any altitude between 0 and 1776 m above mean sea level.
- (c) Rainfall: Very heavy and continuous (up to 2500mm during rainy season)
- (d) Atmosphere during hot weather: Extremely dusty, humid and salty. The EMU/MEMU shall be working in coastal area also and thus shall be continuously exposed to highly corrosive, salty atmosphere along with industrial pollutants.

9.0 DESIGN REQUIREMENTS/ DOCUMENTS TO BE PROVIDED BY SUPPLIER

Drawings, weights, etc.	To be provided by supplier
Type test protocol & procedure/ Type test reports	Supplier to submit the complete reports of type test conducted on the proposed/offered cable.
Technical Manual / Catalogue	To be provided by supplier
QAP	To be provided by supplier



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10.0 TESTING:

- (a) The Purchaser, his duly authorized representative and/or outside inspection agency acting on behalf of the Purchaser shall have, at all reasonable times, free access to the Contractors premises or Works and shall have the power, at all reasonable times, to inspect and examine the materials and workmanship of the works during its manufacture or erection. If part of the ordered material is being manufactured or assembled at other premises or works, the manufacturer shall obtain permission to inspect as if the material were manufactured or assembled on the manufacturer's own premises or works. Inspection may be made at any stage of manufacture, dispatch or at site as per option of the Purchaser and the equipment if found unsatisfactory due to bad workmanship or quality, material is liable to be rejected.
- (b) The inspection by Purchaser and issue of Inspection Certificate thereon shall in no way limit the liabilities and responsibilities of the Manufacturer in respect of the agreed quality assurance program forming a part of the Contract.

11.0 NOTE FOR BIDDERS:

- (a) Offers from only the Suppliers approved by RDSO are acceptable. Supplier to submit approval letter along with Technical Offer to meet this criteria.

End of the Document

COMMERCIAL BID				
Tender department: CE- MM, EDN, BHEL, BANGALORE			RFQ/NIT/Enquiry no.	AKSPROP031
		Bidder Name:		
Item: MALE QUICK COUPLING				
Tender floated through NIC e-Procurement system Website - https://eprocurebhel.co.in/nicgep/app . Vendor to submit offer only through NIC e-Procurement system.				
Sr. No	DESCRIPTION	Details	Bidder's Acceptance / Response	Remarks if any
1	Price Basis	The quoted prices will be firm till supply completion of the tendered quantity.		
2	Terms of Delivery	Indigenous vendors -DDL, BHEL EDN, Bangalore (Free delivery to EDN/BHEL Bangalore including packing & forwarding charges) Foreign Vendors - FCA to International Airport(Airport Name to be indicated).		
3	Delivery Period	Total quantity requirement is for 1 year, Indicate the best possible delivery schedule from the date of issue of Purchase order with Best possible quantity per month. BHEL will consider the production program and release order accordingly.		
4	Payment Term	Indigenous vendors - 100% within 45 days from the date of receipt of material at BHEL EDN Stores. Foreign Vendors - 100% against Sight draft with 45 days credit.(45 days from the receipt of documents at our Bank will be considered)		
5	Evaluation of L1 vendor	Evaluation will be done on item wise, lowest bidder will be considered for ordering.		
6	Penalty for delay in delivery	Penalty of 0.5% per week at the basic price of the good for undelivered quantity of supply portion, subject to a maximum of 10%.If PSI is indicated in PO, then date of call letter with the test reports will be considered as the delivery date for penalty . If no PSI(Foreign vendors), then date will be as per NIT terms for supply of material.(i.e., Invoice date or date of intimation to freight forwarder which ever is earlier)		
7	Loading towards Penalty for delay in delivery	For any deviation in penalty term, the offer will be liable for loading as per Clause No. G, Point No.(b) of ITB.		
8	Pre shipment inspection	Not Applicable .Test Certificate required as per Specification.		
9	Other terms & conditions	For detailed Terms and Conditions, kindly refer to the following:A: INSTRUCTIONS TO BIDDERS/SELLERS(Doc No :BHEL:EDN:ITB-SHOP) available at www.edn.bhel.com (RFQ-PO Terms & Conditions)B: GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no :BHEL:EDN:GCC-SHOP)available at www.edn.bhel.com (RFQ-PO Terms & Conditions)		
10	Validity	Quotation should remain valid for a period of 90 days from the due date.		
11	Reverse Auction	Applicable.		
12	Declaration for GFR 2017 Rule 144(Xi)	Declaration to be uploaded (Format attached)		
13	Declaration for Make in India (MII)	Declaration to be uploaded (Format attached).		
14	Declaration	The bidder declares that they will not enter into any illegal or undisclosed agreement of understanding, whether formal or informal with other bidder(s). This applies in particular to prices, specifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extent policies/guidelines.		
15	Warranty	12months from date of commissioning or 18 months from the date of supply whichever is earlier.		
16	No Deviation	We hereby confirm that all the terms & conditions of tender are accepted without any deviation and any . Any additional commercial term or deviation in commercial term mentioned anywhere else shall be ignored and not be considered for evaluation		
17	Rate Contract	This RFQ is for entering into Rate contract (RC) with BHEL for the tendered item. Validity of the RC will be 1 year from the award of rate contract. Firm orders will be placed during the tenure of rate contract. Prices will remain firm till the validity of RC or till the completion of supplies against the purchase orders placed against this rate contract whichever later. Please note that these quantities are projections based on the current business scenario and expected orders from customers. In the eventuality of business not coming through, BHEL is not obligated to exhaust the ordering of RC quantities.		
18	Non acceptance of RC	Offer will be liable for commercial rejection for non acceptance of RC.		
19	MSME	Submit UDYAM certificate if applicable		
20	Authorization letter	Valid authorization letter from OEM to be provided if dealer.		

Sr. No	DESCRIPTION	Details	Bidder's Acceptance / Response	Remarks if any
21	Documents for bill processing	<p>Complete set of despatch documents (original + 1 photocopy set) as per Purchase Order shall be submitted as below:</p> <p>1. For Indigenous vendors documents to be sent to the purchase Officer directly on below address for bill processing - Mr. Abhishek, Dy. MANAGER /CE-MM, NEB , 2ND FLOOR, BHEL-EDN, BANGALORE - 560026, KARNATAKA Telephone: 080-26998102</p> <p>If documents are Digitally Signed by Authorized Signatory, submission of Hard copy of document is not required. However digitally signed soft copy of complete set of documents to be sent to below email IDs, singh.abhishek@bhel.in</p> <p>Depending upon the PO, despatch documents may include one or more documents from the following:</p> <p>1. Invoice for payment (original) 2. Invoice for payment (extra copy) 3. Packing list 4. LR Copy 5. Warranty certificate 6. PBG if applicable as per PO 7. Copy of UDYAM certificate for considering MSE, if applicable. 8. Copy of First Inspection call letter along with TC if applicable.</p>		
21	Note -	<p>(1) Any tender condition does not prohibit any bidder to submit their offer along with clause wise deviation from the specification/commercial terms of tender. Changes, if any, in technical specification / Scope etc shall be informed to participating bidders only.</p> <p>(2) Any additional commercial term or deviation in commercial term, if sought by vendor, should be clearly brought out in this commercial bid document. Any additional commercial term or deviation in commercial term mentioned anywhere else shall be ignored and not be considered for evaluation</p> <p>(3) Any technical or commercial clarification for this tender can be raised within one week of floating tender. No clarification will be entertained by BHEL after given cutoff date. Clarifications with regard to the tender shall be addressed to purchase officers whose e-mail IDs are given below: singh.abhishek@bhel.in</p> <p>(4) The evaluation currency for this tender shall be INR.</p> <p>(5) Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 are eligible to bid in this tender. Minimum 50% Local content required for qualifying as Class I Local Supplier and Minimum 20% Local content required for qualifying as Class II Local Supplier.</p> <p>(6) MII Purchase preference and MSE Purchase preference is applicable for this tender.</p> <p>Bidder Sign & Seal</p>		