


REQUEST FOR QUOTATION

	BHARAT HEAVY ELECTRICALS LIMITED Electronics Division PB No. 2606, Mysore Road Bangalore - 560026 INDIA	RFQ NUMBER: REDM000140 RFQ DATE : 05.04.2021	Due Date/Day: 19.04.2021 MON Time : 13:00 HRS Tender Box : Reception Area Opening Venue: NEW ENGG. BLDG
MMI:PU:RF:003			
(address for communication) :		(for all correspondence) Purchase Executive : REDDEPPA ANGAJALA Phone : 26998280 Fax : 00918026744227 E-mail: angajala@bhel.in	

SI No.	Description	Qty	Unit	Delivery qty	
1	TI0668103310 AXIAL FAN 250M3/H 9,5W 48VDC <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> AXIAL FAN 250M3/H 9,5W 48VDC as per specification P.S NO. : PS/445/2698 Rev 00 Dated 18.12.2020 <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div>	2,000	NO	2,000	<div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div>

Total Number of Items - 1

- 1.
- 2.

This tender is for entering into rate contract for one year. The terms are as per Commercial terms and conditions.

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS

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.
 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same.
- * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

REDDEPPA ANGAJALA
Control Equipment

1 OF 1

**PRE-QUALIFICATION CRITERIA (PQC)****For DC Axial Fan (AC LOCO)****GROUP: TRACTION ENGINEERING**

Ref: 445/LOCO/PQC-DC FAN

Rev. No.: 00

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COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED.
It must not be used directly or indirectly in anyway detrimental to the interest of the company.**1.0 PRE QUALIFICATION CRITERIA (PQC)**
with respect to BHEL Purchase Specification No. PS/445/2698

1. The Bidder should be manufacturer / Supplier of AC fans for Rolling Stock applications of Indian Railways for Traction equipment.
2. Offered Axial fan should be approved by RDSO/ICF/RCF/CLW/DLW or any other Railway Agency.

2.0 DOCUMENTS SUBMISSION

1. Bidder to submit clause by clause compliance to complete technical specification (Specification no. PS4452698 Rev. No.00, dated 18-12-2020).
2. Proof of supply of Axial fans used in traction applications directly or through any agency to Indian Railways during the last 5 years to be submitted as per the attached format of Performance Statement.
3. Offered Axial Fan model should be approved by RDSO/ICF/RCF/CLW/DLW or any other Railway Agency. Letter of Approval should be submitted.

3.0 REFERENCE DOCUMENT

- a) Purchase Specification No PS4452698, Rev. No. 00

Revision 00

Dated:23-12-2020

APPROVED BY

Devanand V, DGM (TE)

PREPARED BY

Narasimha

ISSUED BY

Traction Engg.

DATE

23-12-2020



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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

P.S NO. : PS/445/2698

REV. NO : 00

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SPECIFICATION FOR

DC Axial Fan of Traction Converter for AC LOCO Projects

REVISION HISTORY:

REV.No.	DATE	NATURE OF CHANGE	REASONS	PREPARED BY	APPROVED BY
00	18.12.2020	FIRST ISSUE	--	Narasimha	Devanand

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

Revision 00

Dated 18.12.2020

APPROVED BY:

Devanand V, DGM (TE)

PREPARED BY:

Narasimha

Issued By

TE

DATE

18.12.2020

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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

P.S NO. : PS/445/2698

REV. NO: 00

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SPECIFICATION FOR DC AXIAL FAN OF TRACTION CONVERTOR FOR AC LOCO

1.0 SCOPE:

This technical specification covers the requirements of design, manufacture, testing at works, packing and dispatch of Axial Fan of Traction Convertor.

2.0 APPLICATION:

Axial Fan mentioned in this Purchase Specification are required to be used in various AC LOCO Projects.

3.0 ELIGIBILITY CRITERIA:

The Bidder should be approved by RDSO 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.

P.S NO. : PS/445/2698

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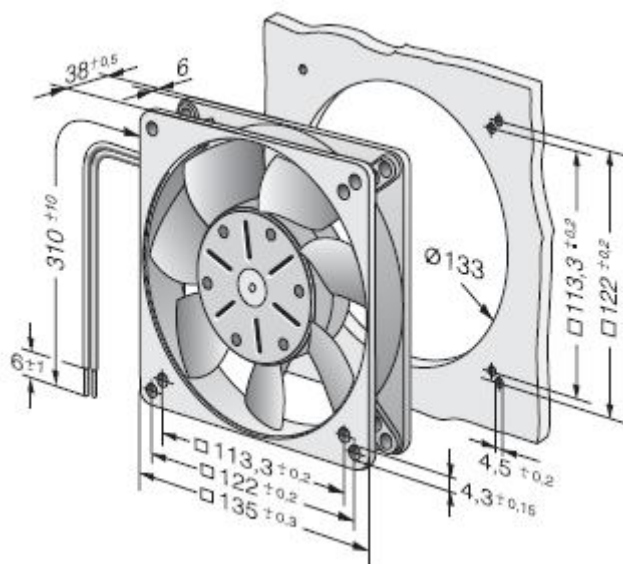
5.0 ITEMS COVERED UNDER THIS PURCHASE SPECIFICATION

Sl. No.	BHEL Material Code	Description
1	TI0668103310	Axial Fan for Traction Converter for AC LOCO

6.0 TECHNICAL SPECIFICATION:

DC AXIAL FAN FOR TRACTION CONVERTOR		
Sl No	Parameters	
1	Air Flow (m3/hr)	260
2	Nominal Voltage (VDC)	48
3	Sound Pressure Level dB(A)	48
4	Power Consumption(W)	9.5
5	Nominal Speed (/min)	2900
6	Temperature Range(°C)	-25 to +72
7	Weight (g)	650-660
8	Dimensions(mm)	135x135x38

Dimensions of Fan





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PURCHASE SPECIFICATION
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7.0 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.

8.0 DESIGN REQUIREMENTS/ DOCUMENTS TO BE PROVIDED BY SUPPLIER

Drawings, weights, etc.	To be provided by supplier
Proof of approval by RDSO	To be provided by supplier
Technical Manual / Catalogue	To be provided by supplier
QAP for approval	To be provided by supplier



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PURCHASE SPECIFICATION
GROUP: TRACTION ENGINEERING

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9.0 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.

10.0 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.	REDM000140
			Bidder Name:	
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	DDL, BHEL EDN, Bangalore (Free delivery to EDN/BHEL Bangalore including packing & forwarding charges)		
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. For Supply, date of receipt of material at BHEL EDN will be treated as delivery for purpose of penalty.		
4	Payment Term	100% within 45 days from the date of receipt of material at EDN Stores.		
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%. For Supply, date of receipt of material at BHEL EDN Stores will be treated as date of delivery for purpose of penalty calculation		
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	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)		
9	Validity	Quotation should remain valid for a period of 90 days from the due date.		
10	Reverse Auction	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.		
11	Declaration for GFR 2017 Rule 144(Xi)	Declaration to be uploaded (Format attached)		
12	Declaration for Make in India	NOT APPLICABLE		
13	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 extant policies/guidelines.		
14	Warranty	12months from date of commissioning or 18 months from the date of supply whichever is earlier		
15	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		

Sr. No	DESCRIPTION	Details	Bidder's Acceptance / Response	Remarks if any
16	Rate Contract Acceptance	This RFQ is for entering into Rate contract (RC) with BHEL for the tendered item. Validity of the RC will be 12 months 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.		
17	Rescheduling of Deliveries	BHEL reserves the right of postponement, rescheduling or staggering of delivery based on the project schedule.		
18	Non acceptance of RC	Offer will be liable for commercial rejection for non acceptance of clause no 16 & 17		
19	Tolerance	Not applicable		
20	Documents for bill processing (after supply)	<p>Complete set of despatch documents (original + 1 photocopy set) as per Purchase Order shall be submitted to Purchase Officer directly on below address for bill processing -</p> <p>REDDEPPA ANGAJALA, SR. MANAGER /CE-MM, NEB 2ND FLOOR, BHEL-EDN, BANGALORE - 560026, KARNATAKA</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, angajala@bhel.in & arunml@bhel.in</p> <p>Depending upon the PO, despatch documents may include one or more documents from the following:</p> <ol style="list-style-type: none"> 1. Invoice for payment (original) 2. Invoice for payment (extra copy) 3. Packing list mentioned items in each box number 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. <p>The precise list of despatch documents needed for the project will be specified in the Purchase Order.</p> <p>One set of Invoice, Packing List and L/R or AWB shall be e-mailed/faxed immediately to BHEL-EDN after despatch.</p>		
	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: angajala@bhel.in & arunml@bhel.in</p> <p>(4) The evaluation currency for this tender shall be INR.</p> <p>(5) Provision of Tax Collected at Source (TCS) is applicable for this tender</p> <p>(6) For the purpose of availment of GST amount as Input Tax Credit (ITC), time limits are mentioned and as of now it is September of the subsequent Financial Year. If complete set of invoice and other supporting billign document required as per PO is not submitted to concerned Purchase Officer at least 45 days prior to this cut-off date, BHEL will not be able to avail Input Tax Credit and hence corresponding GST amount will not be paid to the vendor / contractor.</p>			

On Bidder Letter Head

Date:

To,

M/s Bharat Heavy Electricals Ltd.
Electronics Division, Mysore Road,
Bangalore – 560026

Sub: Model Clause / Certificate as per Annex-III (Tenders) of Restrictions Under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, Dated 23.07.2020.

Ref: BHEL Tender / RFQ / NIT Number

I (authorized signatory for M/s) have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India , we certify that this bidder M/s[Vendor Name & address] is not from such a country or , if from such a country , has been registered with the competent authority . We hereby certify that we fulfill all requirements in this regard and is eligible to be considered [attach evidence of valid registration certificate with competent authority].

For M/s

Authorized Signatory
(with company seal & Name)