



BHEL
Tenders

Government eProcurement System

Tender Details

Date : 02-Jan-2026 04:44 PM

Print

Basic Details

Organisation Chain	Bharat Heavy Electricals Limited HEP - Bhopal Transportation 354 - Material MGT-Tract. Machines		
Tender Reference Number	E5953071, RATE CONTRACT FOR INSULATION WASHER TOP		
Tender ID	2026_BHEL_56649_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Supply
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	Yes
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	SIGNED COPY OF NIT
		.pdf	DULY FILLED FORMAT FOR TECHNO COMMERCIAL ANNEXURE
		.pdf	SIGNED COPY OF BHEL GTC BP200102B AND PO TERMS
		.pdf	DULY FILLED AND SIGNED ANNEXURE-IX
		.pdf	DULY FILLED AND SIGNED ANNEXURE-A
		.pdf	UDYAM REGISTRATION CERTIFICATE FOR MSE BIDDER
2	Finance	.xls	PRICE BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	No
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Nil	EMD Payable At	Nil

[Click to view modification history](#)

Work /Item(s)

Title	E5953071, RATE CONTRACT FOR INSULATION WASHER TOP				
Work Description	RATE CONTRACT FOR SUPPLY OF INSULATION WASHER TOP				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	No				
Tender Value in ₹	15,000	Product Category	Electrical Work/ Equipment	Sub category	NA
Contract Type	Rate Contract	Bid Validity(Days)	90	Period Of Work(Days)	120
Location	BHEL BHOPAL	Pincode	462022	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	BHEL BHOPAL

Should Allow NDA Tender	No	Allow Preferential Bidder	No	
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Critical Dates

Publish Date	02-Jan-2026 05:00 PM	Bid Opening Date	12-Jan-2026 05:00 PM
Document Download / Sale Start Date	02-Jan-2026 05:00 PM	Document Download / Sale End Date	12-Jan-2026 05:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	02-Jan-2026 05:00 PM	Bid Submission End Date	12-Jan-2026 05:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	NIT	1102.01	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	TenderDocuments.rar	COMPLETE TENDER DOCUMENTS IN RAR FILE	5683.05
	2	BOQ	BOQ_61251.xls	Price BoQ	351.00

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	manojdubey@bhel.in	MANOJ KUMAR DUBEY	Manoj kumar Dubey
2.	ratna1@bhel.in	RATNA RAKESH DAS	Ratna Mandal
3.	ranjana1@bhel.in	RANJANA PARTE	Ranjana Parte
4.	manendra1@bhel.in	Manendra Singh	Manendra Singh

GeMARPTS Details

GeMARPTS ID	CTH2HXJ8RNN9
Description	INSULATION WASHER TOP
Report Initiated On	26-Dec-2025
Valid Until	25-Jan-2026

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	3
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Not Applicable	value less than 5 lakh
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	MANENDRA SINGH
Address	MM TPTN

Tender Creator Details

Created By	Manendra Singh
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Designation	Dy Mgr
Created Date	02-Jan-2026 04:23 PM

 ENQUIRY TWO PART BID BPC 0007 E-TENDER	भारत हेवी इलेक्ट्रिकल्स लिमिटेड, पिपलानी, भोपाल- ४६२०२२ (भारत) सामग्री प्रबंधन विभाग BHARAT HEAVY ELECTRICALS LIMITED, PIPLANI, BHOPAL-462022 (INDIA) MATERIALS MANAGEMENT DIVISION		ENQUIRY NO E5953071 ENQUIRY DATE 02/01/26 ENQUIRY DUE DATE 12/01/26
	TIN NO- 23573000001 ECC NO- AAACB4146PXM009 MPCT NO- HEL/05/01/0001/S15/11/79 PHONE NO : 91-755-2500100 FAX : 91-755-2500023 www.bhel.com		

SUPP NAME AND ADDRESS	SUPP CODE	REV CD	REV NO	REV DATE	NO OF CATY2	NO OF CATY3	ENQ NO OF ITEMS	INDENT NO
	0	1	0	NA	1	2	1	121354581
	GUARANTEE CERTIFICATE		Y	SUPPLY CONDITION SUPPLIER'S IDENTIFICATION MARK SHOULD BE ON EACH JOB.				
	TEST CERTIFICATE		Y					
	INSTRUCTION BOOKLET		N	TECHNICAL CONDITION AS PER DRG./ SEPC.				
	SAMPLE		N					
	GATE PASS		Y	INSPECTION CONDITION AT BHEL BHOPAL				

NOTE: QUOTE PRICE BOTH IN FIGURES & WORDS. IN CASE OF MISMATCH PRICE IN WORDS WILL BE VALID, QUOTATIONS NOT BEARING ENQUIRY NO AND DUE DATE LIABLE TO BE REJECTED.

SL NO	MATERIAL CODE	DESC	UNIT	ITEM QTY	QTY VR%	LOT NO	LOT QTY	DEST	DELIVERY DATE
1	BP9094822741	TA7009AZ/BZ, TA7003DV/BX/CW INSU. WASHER (TOP) TO DRG. NO.44303281005 REV. 04. TO BE SUPPLIED IN PROPER PACKING. PO NO, DRG.NO.& TYPE OF MACHINE SHOULD BE MARK OF EACH JOB.	NO	180.000	30	1	90.000	213	26/02/26
						2	90.000	213	28/03/26

REMARK REFER NIC E-TENDER PORTAL FOR DETAILS.

DRAWING	Y	PURCH SPEC	Y	CATALOUGE	N	Quality Surveillance Pl:	N	TWO PART BID	Y
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NOTE:BHEL,BHOPAL'S Standard Terms & Conditions BP200102 (Latest Revision) form a part of this Enquiry. Bidders may obtain from us copies of these terms and conditions if not already available.

Note: During Bid Evaluation, No loading of price with regard to preferential payment of within 45 days will be made on vendore falling under MSMED ACT - OCT 06

Please submit your lowest quotation in sealed envelop essentially superscribed with ENQUIRY NO, DUE DATE AND PARTY'S NAME so as to reach at TENDER ROOM, GROUND FLOOR, ADM BUILDING, BHEL, PIPLANI BHOPAL-462022 by 11.00 am of due date.	SPECIAL REMARK: Bid to be submitted through e-procurement. Refer eproc link on BHEL Bhopal B2B site.	
	Documents Enclosed 1.Drawing. 3.Purchase specification. 2.Catalogue. 4.Quality Surveillance Plan.	NAME : SHRI MANENDRA SINGH DESG : DY.MANAGER 0755-2505880 manendra1@bhel.in SIGN & SEAL

**MATERIAL MANAGEMENT - TRACTION MACHINES****HEAVY ELECTRICAL PLANT, BHOPAL****BHARAT HEAVY ELECTRICALS LIMITED****BHEL ENQUIRY NO. E5953071****DUE ON 12/01/2026**

NIT TERMS & CONDITIONS:

SL. NO.	DESCRIPTION	DETAILS
1.	RATE CONTRACT TERMS	We intend to enter into a Rate Contract (RC) for ordering up to 12 months from RC freeze date, i.e. RC is to be kept valid for ordering up to 12 months from RC freeze date. Purchase Ordering shall be done as per BHEL requirement against the finalised rate contract & within its validity. Dispatches to be made against our purchase order (computerized) only, which will be issued against this Rate Contract. BHEL reserves the right to cancel/ short close the Rate Contract for unordered qty at any point of time even before the expiry of RC validity without assigning any reason whatsoever it may be.
2.	ITEM DESCRIPTION	TA7009AZ/BZ, TA7003DV/BX/CW INSU. WASHER (TOP) TO DRG. NO. 44303281005 REV.04. TO BE SUPPLIED IN PROPER PACKING. PO NO, DRG.NO. & TYPE OF MACHINE SHOULD BE MARK OF EACH JOB.
3.	TECHNICAL CONDITION	As per attached Drgs, SPECS & PQR.
4.	QUANTITY	Item 01:- 180 Nos.
5.	QUANTITY VARIATION	± 30% .
6.	SPLITTING OF ORDER	Not Applicable
7.	DELIVERY SCHEDULE REQUIREMENT	For the first lot of 90 Nos scheduled delivery date shall be within 60 days from the PO date and thereafter for each subsequent lot of 90 Nos. scheduled delivery date shall be within 30 days from the scheduled delivery date of the previous lot. Early delivery acceptable
8.	DELIVERY TERMS	FOR Destination (BHEL Bhopal)
9.	DELIVERY INSTRUCTION	IDENTIFICATION MUST
10.	QAP	Not Applicable
11.	INSPECTION CONDITION	At BHEL Bhopal
12.	SAMPLE	As per attached Drgs, Specs. (As applicable)
13.	TEST CERTIFICATE	All Material TC to be supplied along with material as per drg, Spec. and TC should incorporate Spec.
14.	GUARANTEE / WARRANTY	As per BHEL GTC of ENQUIRY (BP200102B, Cl. No. 18)
15.	GUARANTEE/ WARRANTEE CERTIFICATE	GUARANTEE/ WARRANTEE Certificate to be supplied along with each lot of the material.
16.	PAYMENT TERMS	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 16)

**MATERIAL MANAGEMENT - TRACTION MACHINES****HEAVY ELECTRICAL PLANT, BHOPAL****BHARAT HEAVY ELECTRICALS LIMITED****BHEL ENQUIRY NO. E5953071****DUE ON 12/01/2026**

		<p>i.e. 100% payment in 90 days of receipt (45 days for Micro & Small and 60 days for Medium enterprises as registered in Udyam Certificate as per relevant MSME act in force) and subject to acceptance of material and relevant documents at BHEL.</p> <p>Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ REPO rate + 4% for the purpose of bid evaluation.</p>
17.	INVOICE SUBMISSION THROUGH SUVIDHA PORTAL	<p>For supply orders placed on Indian Suppliers, irrespective of the value of the invoice amount, the bidder / vendor should necessarily upload the despatch & invoice details on BHEL SUVIDHA portal at https://suvidha.bhel.in/suvidha/, prior to despatch. All documents as per PO checklist, along with additional documents (if any), must be uploaded on the portal. It is mandatory that tax invoices with a net amount (including taxes) exceeding Rs five lakhs uploaded on the portal are digitally signed using a Class 3 Digital Signature Certificate (DSC) issued by a licensed Certifying Authority. Submission of invoice document in hard copy is allowed for invoices with a net amount (including taxes) equal to and upto Rs five lakhs, in case they were not digitally signed and uploaded on the portal. The material will not be accepted inside BHEL in absence of the above.</p>
18.	TECHNICAL PQR (T-PQR)	<p>Technical Pre-Qualification Requirements (T-PQR) for procurement of the items is attached with the NIT.</p> <p>Compliance of all the points in T-PQR is mandatory. In absence of compliance of above and non-submission of documents required against the T-PQR, the Vendor's offer is liable to be rejected.</p> <p>Duly filled T-PQR with desired documents shall be submitted by the Vendor along with the offer.</p> <p><i>Information/ compliance/ documents submitted by vendor shall be authentic in all aspects. In case any deviation/ false information/ forged documents are observed / revealed later on, BHEL is free to initiate appropriate punitive proceeding against the Vendor as per Prevalent Processes and Guidelines of Company.</i></p>
19.	FINANCIAL PQR (F-PQR)	Not Applicable
20.	BID PARTS	<p>Offer shall be submitted by the bidders in Two Parts, i.e. Part-I Technical cum Commercial bid & Part-II Price bid.</p>
21.	PENALTY / LD	<p>As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 9) i.e. 0.5% of the undelivered portion per week of delay or part thereof, subject to a maximum of 10% of the undelivered order value owing to delayed delivery.</p> <p>Any deviation from the above terms, if accepted (by BHEL), shall be loaded to the extent to which it is not agreed to, by the bidder (at offered value) for the purpose of bid evaluation.</p>
22.	PRICE BASIS	Firm Price basis
23.	PRICING TERMS	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 12)
24.	PRICE VALIDITY	<p>As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 13) i.e. Offer shall be valid for a period of 90 days from the date of Techno- commercial (Part-I) bid opening date.</p>
25.	TAXES & DUTIES	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 14)

**MATERIAL MANAGEMENT - TRACTION MACHINES****HEAVY ELECTRICAL PLANT, BHOPAL****BHARAT HEAVY ELECTRICALS LIMITED****BHEL ENQUIRY NO. E5953071****DUE ON 12/01/2026**

26.	EVALUATION CRITERIA	Item wise L1 basis
27.	EVALUATION IN CASE OF MORE THAN ONE L-1 BIDDER	<p>In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders.</p> <p>In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L-1 bidder(s) or their representative(s).</p> <p>Ranking will be done accordingly. Decision of BHEL in such situations shall be final and binding.</p>
28.	BID SECURITY/ Earnest Money Deposit (EMD)	Not Applicable
29.	PERFORMANCE SECURITY (PBG)	Not Applicable
30.	REVERSE AUCTION	Not Applicable
31.	MSE PREFERENCE	Applicable as per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 29)
32.	PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)	Not Applicable
33.	INTEGRITY PACT (IP)	Not Applicable
34.	RESTRICTION UNDER RULE 144 (xi) GFR	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 34)
35.	CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS AND THEIR DECLARATION	<p>A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests.</p> <p>Bidders having a conflict of interest shall not be eligible to participate in the tender process.</p> <p>Treatment of cases regarding conflict of interest: -</p> <p>The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations: -</p> <ul style="list-style-type: none">i) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;iii) Procurement of goods directly from the manufacturers /suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/



MATERIAL MANAGEMENT - TRACTION MACHINES

HEAVY ELECTRICAL PLANT, BHOPAL

BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953071

DUE ON 12/01/2026

		<p>supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.</p> <p>iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.</p> <p>The Bidder declares that they have read and understood the above aspects, and the bidder confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. This applies in particular to prices, specifications, certifications, 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, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.</p>
36.	ANNEXURE-IX	<p>The Bidder/Supplier/Contractor will, when presenting his bid, declare whether other Family Firms or Sister Concern Affiliates/Subsidiary firms are participating in the same tender, so as to eliminate the possibility of cartel formation. Format for declaration is available in the NIT documents for this enquiry (Annexure-IX). Same is to be submitted with the offer.</p>
37.	SPECIAL CONDITIONS	<p>Bidders who fall under MSE (Micro & Small Enterprises only) and fail to upload 'UDYAM Registration Certificate (URC)' shall automatically be considered as Non-MSE supplier for this tender.</p> <p>Further, it is to be noted that MSE benefits are not being extended to Agent/ Dealer/ Trader/ Distributor (i.e. Other than manufacturer). Supplier has to also provide supporting document(s) such as Agreement Between OEM & Bidder(s) etc.</p> <p>Identification must. Soon after rejection of material, it is to be ensured by supplier that material should be taken back maximum within two weeks after communication for rectification/ replacement & supply back the rectified/ fresh material to BHEL Bhopal within 30 days from rejection. In the event of non-lifting of rejected material by supplier, BHEL will not be responsible for loss of such items to the supplier in any case.</p> <p>Offers of suppliers who are in 'HOLD/BANNED' status in BHEL Bhopal PMD shall not be considered.</p> <p>Unregistered vendors to submit documents required for registration to BHEL Portal Online (https://bhel.com/supplier-registration).</p>



MATERIAL MANAGEMENT - TRACTION MACHINES
HEAVY ELECTRICAL PLANT, BHOPAL
BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953071
DUE ON 12/01/2026

38.	OTHER TERMS & CONDITIONS	Other Terms & Conditions as per attached BHEL GTC of ENQUIRY (BP200102B). Any deviation of NIT, BHEL GTC of ENQUIRY (BP200102B) and BHEL PO Terms, where vendor response is not affirmative to be clearly indicated, else BHEL will consider that all above Terms & Conditions are acceptable to vendors.
39.	GEM REGISTRATION	As you are kindly aware that Government e-Marketplace (GeM) is a one stop portal to facilitate Online Procurement of Goods & Services required by various Government Departments/ Organizations/ PSUs. BHEL being a PSU, would like that its suppliers/ contractors also have visibility on this portal so that GeM can be used for procurement by BHEL. Hence, you are requested to get yourselves registered on GeM.
40.	TENDER FEE	Not applicable
41.	BID SUBMISSION WITHIN DUE DATE & TIME	No request for extension of tender due date will be entertained at the time of tender opening and after due date under any circumstances. Hence, all bidders are requested to submit their bid well within due date and time only. <i>BHEL reserves the right for extension of tender based on the situation without assigning any reason whatsoever it may be.</i>
42.	DOCUMENTS TO BE FURNISHED ALONG WITH YOUR QUOTATION	Signed and Sealed copy of: <ul style="list-style-type: none">- NIT- BHEL GTC of ENQUIRY (BP200102B)- BHEL PO Terms Duly Filled, Signed and Sealed copy of: <ul style="list-style-type: none">- Techno-Commercial Annexure- T-PQR along with all supporting documents- Annexure-IX in Company Letterhead- Annexure-A - OEM & MSE Declaration Others: <ul style="list-style-type: none">- UDYAM Registration Certificate (<i>as applicable for MSME bidders only</i>)

IT IS HEREBY MENTIONED THAT THIS IS E-TENDER SO OFFER SUBMITTED THROUGH E-PROCUREMENT PORTAL (www.eprocurebhel.co.in) SHALL ONLY BE CONSIDERED.

Techno-Commercial Annexure
(To be filled by supplier inline with NIT requirement and submit with offer)

Tender No.		E5953071 due on 12/01/2026		
Description :		Item#1: TA7009AZ/BZ, TA7003DV/BX/CW INSU. WASHER (TOP) TO DRG. NO. 44303281005 REV.04. TO BE SUPPLIED IN PROPER PACKING. PO NO, DRG.NO. & TYPE OF MACHINE SHOULD BE MARK OF EACH JOB. TENDER QTY.:- Item 01:- 180 Nos. (+/-30%) Delivery required as per NIT.		
Sr. No.	ELEMENTS	Standards	To be offered/confirmed by supplier	Remarks, if any
1	Quotation reference no. & date	As per supplier		
2	HSN / SAC code	As per supplier		
3	Quotation currency	In INR		
4	Contact person	As per supplier		
5	Phone / Mobile	As per supplier		
6	E-Mail	As per supplier		
7	Order to be placed on, Supplier Name Supplier code, If registered at BHEL Bhopal PAN No., if not registered in BHEL.	As per supplier		
8	Address	As per supplier		
9	Please specify delivery in weeks/ days (Specify item wise, lot wise as per RFQ)	As per NIT/ Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
10	Rate quoted on "Firm" price basis	Yes		
11	Quoted for all the items and full quantity of tender enquiry	Yes / No. (If "No" please mention item number with Qty of regreted items)		
12	Technical specifications	Accepted as per NIT / Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
13	Inspection	As per NIT/ Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
14	Test certificate & Gurantee certificate as per NIT and specification will be submitted along with each consignment	Yes (In case of "No" your offer may be rejected).		
15	Brand name, if any.	As per supplier		
16	Supply from	As per supplier		
17	Terms of delivery ("FOR DESTINATION " means freight & insurance upto destination in supplier's scope (Destination: CRX Divn, BHEL Bhopal)	Accepted/ Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
18	Transit insurance (In supplier's scope)	As per NIT/ Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
19	CGST RATE (IN %)	As per supplier		
20	SGST RATE (IN %)	As per supplier		
21	IGST RATE (IN %)	As per supplier		
22	UGST RATE (IN %)	As per supplier		
23	Are you manufacturer of quoted item (s).	Yes / No		
24	Are you registered under MSMED ACT 2006 as small or micro. NOTE: - Firms registered under medium scale shall not be considered eligible for MSE benefits.	Yes / No (If select Yes, please enclosed valid UDYAM certificate)		

Techno-Commercial Annexure
(To be filled by supplier inline with NIT requirement and submit with offer)

Tender No.		E5953071 due on 12/01/2026		
Description :		Item#1: TA7009AZ/BZ, TA7003DV/BX/CW INSU. WASHER (TOP) TO DRG. NO. 44303281005 REV.04. TO BE SUPPLIED IN PROPER PACKING. PO NO, DRG.NO. & TYPE OF MACHINE SHOULD BE MARK OF EACH JOB. TENDER QTY.:- Item 01:- 180 Nos. (+/-30%) Delivery required as per NIT.		
Sr. No.	ELEMENTS	Standards	To be offered/confirmed by supplier	Remarks, if any
25	Terms of Payment (100% payment in 90 days of receipt (45 days for Micro & Small and 60 days for Medium enterprises as registered in Udyam certificate as per relevant MSME act in force) and subject to acceptance of material and relevant documents at BHEL. Pl refer GTC BP200102B)	As per NIT/ Accepted with deviation (If select Accepted with deviation, please mention the deviation)		
26	SELF CERTIFICATION OF MINIMUM LOCAL CONTENT, IF MORE THAN 50% VALUE ADDITION IS IN INDIA. (Note- In case of tenders worth more than Rs. 10 crores, Suppliers shall necessarily submit certificate from statutory auditor or cost auditor or cost accountant or CA) Please also specify the amount of local content in India. EXAMPLE :if 100% INDIGENOUS (MADE IN INDIA) MARK "Y"/100%	As per supplier	Not applicable	
27	Details of location of value addition / manufacturing	As per supplier		
28	Submission of MII_Certificate with duly sealed & signed (Under Public Procurement Policy)	Yes / No	Not applicable	
29	Other Charges (If any)	Applicable / Not Applicable. (If applicable please mention percentage (%) / Value (along with type of charges).		
30	Penalty for delayed performance as per BP200102B & NIT	Yes / No (In case of "No", your offer will be loaded suitably)		
31	Confirmation that documents pertaining to technical PQR has been submitted	Yes / No		
32	Acceptance to "REVERSE AUCTION" if conducted (As per BHEL's RA policy)	Yes / No	Not applicable	
33	Submission of Declaration format with duly sealed & signed (Annexure IX, refer attached) regarding whether other family firms or sister concern affiliates / subsidiary firms are participating in the same tender.	(Yes / No) If No please specify the reason.		
34	Submission of Declaration format with duly sealed & signed (Annexure-A - OEM & MSE Declaration)	Yes / No		
35	General terms and conditions of enquiry (Form No. BP-200102B) and BHEL PO Terms & Conditions is Acceptable.	Yes (In case of "No" your offer may be rejected).		
36	Quotation Validity will be 90 days from the date of techno-commercial bid opening.	Yes / No		
37	Acceptance to Performance Security	Yes / No	Not applicable	
38	Declaration of conflict of interest by bidder as per NIT.	Yes / No		



BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRACTION MACHINES ENGINEERING DIVISION

Date: 17.12.24

Technical requirement of fiber Glass molding/ sheet-based items is as under:

Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted
1	Fiber Glass based Insulating items shall as per BHEL drawing No. & Specification mentioned in BHEL tender Enquiry	Yes/No	Deviation not accepted
2.	Manufacturing / supply experience in preceding 5 years (from tender opening date) for same or similar item* is required.	Yes/No	Unpriced PO copies, corresponding Challan/Invoice required.
3.	Vendor should be Manufacturer for tendered item not a trader.	Yes/No	-

Note:

3. * Same similar item to be Fiber Glass based molding if tendered item is molding based item and Fiber Glass sheet if tendered item is sheet based item as mentioned in respective drawing and specification with the tender Enquiry.
4. Compliance of all the points in above PQR is mandatory. In absence of compliance of above, vendor's offer is liable to be rejected.

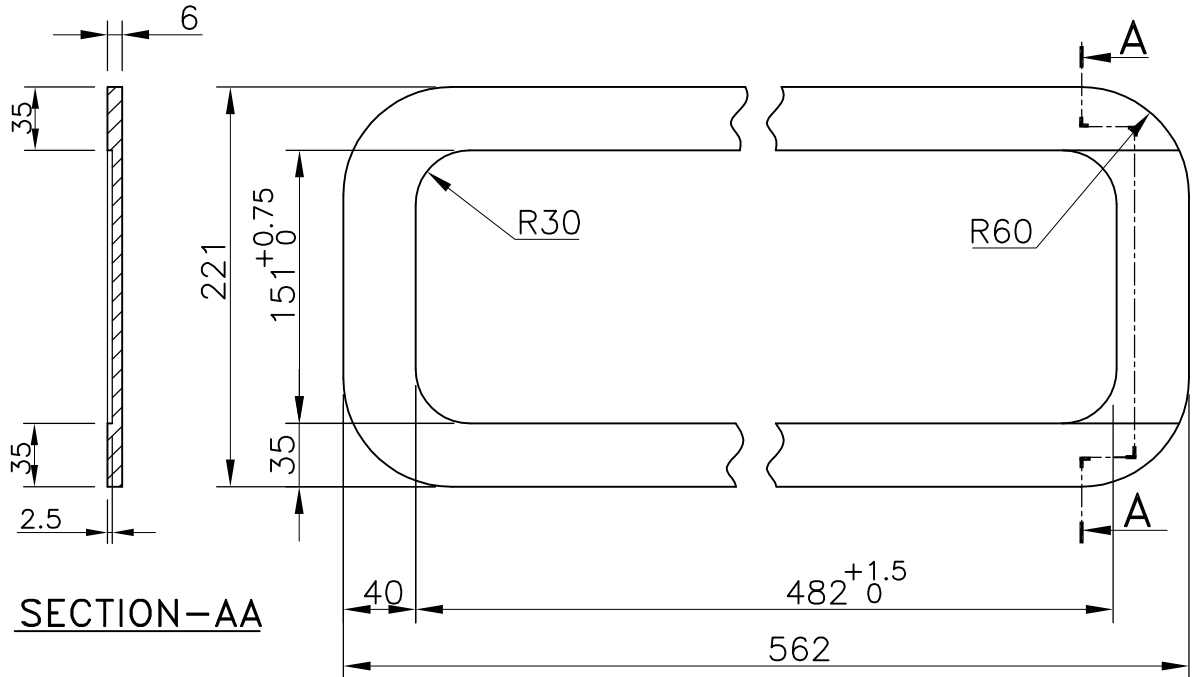
Shishu Pal
Sr.Mgr./TME

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

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 IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

REV.	DATE	ALTERED	REV.	DATE	ALTERED	ADDITIONAL	SIM. DRG.NO.
03	10.09.13	CHECKED <i>M. Kumar</i>	02	04.03.09	CHECKED -SD-	INFORMATION	44303211001
		APPROVED			APPROVED S.P.S.		
DIM.35 (BOTH SIDE) & 30 WERE ON SECTION-AA MODIFIED. DIM.40 WAS 37.			DRG. UPDATED & DIGITISED. STYLE LIST ADDED.			STATUS OF DRAWING	
						DISTRIBUTION OF PRINTS	
						TME-1 TAM-4 CIM-4 TIX-1	




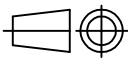
STYLE LIST		
VAR.	IT.NO.	STYLE NO.

NOTE:-

1. EPOXY GLASS LAMINATE WASHER TO BE MADE IN ONE PIECE EITHER MOULDED OR MACHINED.

REF. DRG. NO.	65		75		25		27		29		58		59		46		54		55		56		68		71	
	VAR. 00		REMARKS		VAR.		ITEM NO.		DESCRIPTION		STD		MATL. CODE		MATL. SPCN.		UNIT		UNIT WT. KG.		QTY.					
	28		CARD TYPE-3		28		CARD TYPE-1		28		CARD TYPE-2															

SIGN. & DATE	 BHARAT HEAVY ELECTRICALS LTD. BHOPAL		NAME	SIGN	DATE	NO. OF VAR.	
			DRN	M.K.S.	-Sd-	28.9.00	-
			CKD	S.P.SINGH	-Sd-	28.9.00	
			APPD	S.P.SINGH	-Sd-	28.9.00	

INVENTORY NO.	DEPT	TME	UNTOL.DIMS. GR.		SCALE	WEIGHT (K.G.)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEM
	CODE	405	AA0230208		NTS	0.63	24303281003	003	001
	TITLE		INSULATION WASHER(TOP)			DRAWING NO.		44303281005	

TA-7003 BX		1	SHT. No. 01	NO. OF SHT. 01
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CORPORATE PURCHASING SPECIFICATION

AA 224 15

Rev. No. 02

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EPOXY LAMINATED GLASS FABRIC BASE SHEET (TEMPERATURE INDEX 155)

1.0 GENERAL:

This specification governs the quality requirements of laminated sheet made from layers of fine and plain woven glass fabric (non-alkaline glass type E) having suitable silane/volan finish with good electrical properties using thermosetting epoxy resin as the bonding medium. The material has a temperature index of at least 155.

2.0 APPLICATION:

This material may be used with discretion for insulating spacers, wedges, packers and pressed parts of electrical machines.

3.0 COMPLIANCE WITH NATIONAL STANDARDS:

The material shall comply, in general, with the requirements of the following standards and also meet the requirements of this specification.

NEMA-LI-1: 1989, Gr. G-11.

4.0 DIMENSIONS AND TOLERANCES:**4.1 Sizes:**

Thickness, width and length shall be as stated on BHEL order.

4.2 Preferred thickness (mm):

0.5, 1, 1.5, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 40, 50 and 70.
Other thickness can also be ordered.

4.3 Tolerances:**4.3.1 Thickness:**

Thickness of the sheet shall not depart at any point from the nominal thickness by more than the appropriate value as shown in the following table:

Revisions :

CI: 32.4.43 of MOM of MRC-E

APPROVED :

INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (E)

Rev. No. 02

Amd.No.

Reaffirmed

Prepared

Issued

Dt. of 1st Issue

Dt:15.01.2003

Dt :

Year :

HYDERABAD

Corp. R&D

May, 1980

AA 224 15	CORPORATE PURCHASING SPECIFICATION	
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Thickness, mm		Permissible variation from nominal thickness, mm
Above	upto & including	
-	0.5	0.10
0.5	2	0.20
2	3	0.25
3	5	0.50
5	7	0.75
7	10	0.90
10	15	1.10
15	20	1.25
20	25	1.40
25	30	1.50
30	40	1.75
40	50	2.00
50	60	2.50
60	70	3.00

4.3.2 Width and Length:

Size, mm	Tolerance, \pm mm
Below 1000	35
Above 1000	50

4.4 Flatness (for sheets 3.0mm and above):

The flatness of sheets shall be such that when a sheet is placed without restraint on a flat surface, concave side, if present, up, departure at any point of the surface from a light straight edge laid in any direction upon it shall not exceed the following:

- 0.50 mm under a 300 mm straight edge.
- 3.00 mm under a 600 mm straight edge.
- 6.00 mm under a 1000 mm straight edge.

5.0 FINISH:

The surface of the sheets shall be even, smooth, free from visible defects like blisters, loose fibres, resin concentration, delamination, wrinkles, local deformation and dents. The materials shall be supplied with trimmed edges.

6.0 TEST METHODS:

Unless otherwise specified the tests shall be conducted in accordance with the relevant methods of BHEL standard AA 085 17 01.



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7.0 SAMPLING AND ACCEPTANCE:**7.1 Routine and Acceptance Tests:**

Unless otherwise stated, one sheet chosen at random out of every 20 sheets of a supply shall be subjected to routine tests. One sheet of 300 X 300 mm of 10 mm thickness shall be supplied with each consignment.

The arithmetic mean of the test results for an individual test shall meet the requirement of this specification.

The lowest value obtained for any test shall not be less than 90% at the specified value.

7.2 Type Tests:

Type tests shall be carried out at the time of first approval and subsequently once in two years and whenever doubt arises, on the quality of the material.

8.0 PHYSICAL PROPERTIES:

8.1 Specific Gravity : 1.8 ± 0.1

8.2 Marten's Heat distortion Temperature (Type test)
(For thickness 10mm and above) : 240°C , min


8.3 Water Absorption at 20°C for 24 hours (Type test):

Thickness (mm)		Water absorption %, max.
Above	upto & including	
-	1	0.40
1	1.5	0.30
1.5	3	0.20
3	10	0.15
10	25	0.10
More than	25*	0.10

* Thickness above 25 mm shall be machined to 25 mm keeping one side intact.

8.4 Texture of Glass Fabric:

For laminates upto 20 mm thickness a fine woven glass cloth of 0.18mm thick shall be used. For laminates above 20mm thickness a glass cloth of not more than 0.255 mm thick shall be used. This shall be checked by burning the bonding at 600°C for sufficient time.

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8.5 Heat Shock Test:

A specimen of size 100x100 of ordered thickness is kept in an oven maintained at 250±5⁰ C for 15 minutes. The specimen is removed directly to ambient conditions (ie. Room temperature) after this period and observed. The material is considered satisfactory in this test, if no delamination, cracks, splitting, blistering or resin oozing is observed at the end of the test.

9.0 MECHANICAL PROPERTIES:

9.1 Tensile Strength (For sheets 1.5 mm thick and above) (Type test):
250 N/mm² (25.5 kg/mm²), min.

9.2 Cross Breaking Strength (For sheet 1.5 mm thick and above):

9.2.1 As received condition: 350 N/mm² (35.6 kg/mm²), min.

9.2.2 After heating at 150⁰C for 1 hour and tested at 150⁰C. The reduction shall not be more than 50% of the value obtained in received condition.

9.3 Shear strength (for sheets 1.5 mm thick and above) (Type test):
100 N/mm² (10.2 kgf/mm²), min.

9.4 Compression strength proof (For sheets 5 mm thick & above) (Type test):
400 N/mm² (40.8 kgf/mm²).

9.5 Impact strength Charpy - Flatwise (For sheets 2.5 mm & above) (Type test):

Below 10 mm thick	:	75 kJ/m ² , min.
10 mm thick & above	:	150 kJ/m ² , min.

9.6 Splitting load, Edgewise (For sheets 10 mm thick and above): 2.94 kN (300 kg), min.

9.7 Punching (For sheets below 2.5 mm) (Type test):
When the sheet under test is pierced in a single operation with a pattern shown in IS: 1998. There shall not be excessive lifting or cracking around the holes.

9.8 Machinability (For sheets 3.0mm and above) (Type test):
The sheet shall be capable of being sawn, milled, drilled and tapped with a M3.5 tap and shall be capable of being shaped in a shaping machine without showing any sign of cracking or chipping.

10.0 ELECTRICAL PROPERTIES:

10.1 Insulation Resistance after 24 hours immersion in water at 27⁰C (Type test):
10⁴ Megohms, min.

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3) NEMA - L1-1



BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
TRACTION MACHINES ENGINEERING DIVISION

Date: 17.12.24

Technical requirement of fiber Glass molding/ sheet-based items is as under:

Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted
1	Fiber Glass based Insulating items shall as per BHEL drawing No. & Specification mentioned in BHEL tender Enquiry	Yes/No	Deviation not accepted
2.	Manufacturing / supply experience in preceding 5 years (from tender opening date) for same or similar item* is required.	Yes/No	Unpriced PO copies, corresponding Challan/Invoice required.
3.	Vendor should be Manufacturer for tendered item not a trader.	Yes/No	-

Note:

3. * Same similar item to be Fiber Glass based molding if tendered item is molding based item and Fiber Glass sheet if tendered item is sheet based item as mentioned in respective drawing and specification with the tender Enquiry.
4. Compliance of all the points in above PQR is mandatory. In absence of compliance of above, vendor's offer is liable to be rejected.

Shishu Pal
Sr.Mgr./TME