

# HEAVY ELECTRICAL PLANT, BHOPAL

**BHARAT HEAVY ELECTRICALS LIMITED** 

BHEL ENQUIRY NO. E5153068
DUE ON 14-06-2025

### **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 date, i.e. RC is to be kept valid for ordering up to 12 months from RC freeze date. Ordering shall be done against firm requirement as & when needed by BHEL. BHEL reserves the right to cancel/ short close the RC at any point of time even before the expiry of RC validity without assigning any reason whatsoever it may be.			
2.	ITEM HILFSSTOFF 38.HZN 451560P AUXILIARY MATERIAL OR EQUIVALENT MATERIAL DESCRIPTION AUXILIARY ADDITIVE 3A 333 TO TM11516 REV 01.			
3.	QUANTITY	350 Kgs		
4.	QUANTITY VARIATION	± 30%		
5.	DELIVERY SCHEDULE REQUIREMENT	Delivery for the 1st lot of 100 Kgs shall be within 60 days from the PO dt. & thereafter for each subst. lot of 100 Kgs, scheduled dely. dt. shall be within 30 days from the scheduled dely. dt. of the prev. lot. Early delivery acceptable.		
6.	DELIVERY TERMS	FOR Destination (BHEL Bhopal)		
7.	DELIVERY INSTRUCTION	IDENTIFICATION MUST		
8.	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 16)  i.e. 100% payment in 90 days of receipt (45 days for Micro & Small and 60 d  Medium enterprises as registered in Udyam Certificate as per relevant MSME force) and subject to acceptance of material and relevant documents at BHEL. Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded base rate + 6% for the purpose of bid evaluation.			
9.	Rate contract to be finalized on two sources with quantity distribution ratio of 65% & 3 to L-1 vendor and the other bidder accepting L-1 rates respectively, subject to minimum qualified bidders. For ascertaining bidder for 35% quantity, HESG equivalent rates of bidder will be sequentially counter-offered to L-2, L-3 and so on bidder until a bid accepts the same. In case of only 2 qualified bidders, BHEL reserves the right distribution/ non-distribution between 2 bidders. In case of only one qualified bidder ocase no bidder agrees to accept the counter offered HESG equivalent rates of L-1, Bl may decide to award entire 100% quantity to L-1 bidder. Distribution in compliance we latest guidelines for MSE and MII will also be followed further.			
10.	TECHNICAL PQR (T-PQR)	Technical Pre-Qualification Requirements (T-PQR) for procurement of the items is attached with the NIT.  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.  Duly filled T-PQR with desired documents shall be submitted by the Vendor along with the offer.  Information/ compliance/ documents submitted by vendor shall be authentic in all aspects. In case any deviation/ false information/ forged documents are observed / revealed later		



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		on, BHEL is free to initiate appropriate punitive proceeding against the Vendor as per Prevalent Processes and Guidelines of Company.		
		Applicable.		
11.	FINANCIAL PQR (F-PQR)	Average Turnover of last three years should be at least Rs. 53 Lacs. Documents to be submitted by the vendor: Audited Statement of P & L accounts or CA certificate of		
		Turnover for FY 2021-22, 2022-23 and 2023-24.		
12.	QAP	Not Applicable		
13.	BID PARTS	Offer shall be submitted by the bidders in Two Parts, i.e. Part-I Technical cum Commercial bid & Part-II Price bid.		
		As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 9)		
14.	PENALTY / LD	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.		
15.	PRICE BASIS	Firm Price basis		
16.	PRICING TERMS	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 12)		
17.	PRICE VALIDITY	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.		
18.	TAXES & DUTIES	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 14)		
19.	TECHNICAL CONDITION	As per attached PQR & SPEC.		
20.	SAMPLE	As per attached Spec		
21.	INSPECTION CONDITION AT BHEL			
22.	TEST All Material TC to be supplied along with material as per Spec. and TC should incorpor Spec.  CERTIFICATE Spec.			
22	GUARANTEE /			
23.	WARRANTY	As per BHEL GTC of ENQUIRY (BP200102B, Cl. No. 18)		
24.	GUARANTEE CERTIFICATE	GC to be supplied along with the material		
25.	EVALUATION CRITERIA	Overall L1 basis		
26.	BID SECURITY/ Earnest Money	Not Applicable		
20.	Deposit (EMD)	THE PRODUCTION OF THE PRODUCTI		
27.	PERFORMANCE SECURITY (PBG)	Not Applicable		
28.	REVERSE AUCTION	Not Applicable		
29.	MSE PREFERENCE	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 29)		
30.	PUBLIC PROCUREMENT  For this procurement, Public Procurement (Preference to Make in India) Order (PPP-II Order), 2017 vide No. P-45021/2/2017-B.EII dated 15.06.2017, 28.05.2018, 29.05.2019 04.06.2020 and subsequent Orders issued by the respective Nodal Ministry shall			



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agent/dealer.
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	EVALUATION IN CASE OF MORE	g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; or h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. " 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. In case more than one bidder happens to occupy the L-1 status even after soliciting
36.	THAN ONE L-1	discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the
	BIDDER	respective L-1 bidder(s) or their representative(s).
		Ranking will be done accordingly. Decision of BHEL in such situations shall be final and
-		binding.  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.
		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.
	SPECIAL	Identification must. Soon after rejection of material, it is to be ensured by supplier that
37.	CONDITIONS	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.
		Offers of suppliers who are in 'HOLD/BANNED' status in BHEL Bhopal PMD shall not be
		considered.
		Unregistered vendors to submit documents required for registration to BHEL Portal Online
		(https://bhel.com/supplier-registration).
		Other Terms & Conditions as per attached BHEL GTC of ENQUIRY (BP200102B)
38.	OTHER TERMS	Any deviation of NIT, BHEL GTC of ENQUIRY (BP200102B) and BHEL PO Terms, where
	& CONDITIONS	vendor response is not affirmative to be clearly indicated, else BHEL will consider that all
		above Terms & Conditions are acceptable to vendors.  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
30	GEM	Departments/ Organizations/ PSUs.
39.	REGISTRATION	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
	BID	No request for extension of tender due date will be entertained at the time of tender
	SUBMISSION	opening and after due date under any circumstances. Hence, all bidders are requested to
41.	WITHIN DUE	submit their bid well within due date and time only.
	DATE & TIME	BHEL reserves the right for extension of tender based on the situation without assigning
		any reason whatsoever it may be.



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		Signed and Sealed copy of:
42.	DOCUMENTS TO BE FURNISHED ALONG WITH YOUR QUOTATION	<ul> <li>NIT</li> <li>BHEL GTC of ENQUIRY (BP200102B)</li> <li>BHEL PO Terms</li> <li>Duly Filled, Signed and Sealed copy of:         <ul> <li>T-PQR along with all supporting documents</li> <li>Annexure-IX in Company Letterhead</li> <li>Filled &amp; Signed Techno-Commercial Annexure</li> <li>Make in India (MII) certificate</li> </ul> </li> <li>Others:         <ul> <li>Documents against Financial POR (Audited Statement of P. &amp; Laccounts or CA)</li> </ul> </li> </ul>
		certificate of turnover for FY 2021-22, 2022-23 and 2023-24).
		<ul> <li>Documents against Financial PQR (Audited Statement of P &amp; L accounts or certificate of turnover for FY 2021-22, 2022-23 and 2023-24).</li> <li>UDYAM Registration Certificate (as applicable for MSME bidders only)</li> </ul>

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

<u>Techno-Commercial Annexure</u> (To be filled by supplier and submit with offer)

Tende	er No.	E5153068 due on 14/06/2025				
		RATE CONTRACT FOR HILFSSTOFF 38 .HZN 451560P AUXILIARY MATERIAL OR EQUIVALENT MATERIAL AUXILIARY ADDITIVE 3A 333 TO				
		TM11516 REV 01	•			
Descr	iption :	TENDER QTY.: 350 Kgs, +/- 30%				
		Delivery required as per NIT.				
Sr. No.	ELEMENTS			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 (Also provide supplier code at BHEL Bhopal, If registered)	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, Drawings 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				
	SGST RATE (IN %)	As per supplier				
	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)				

<u>Techno-Commercial Annexure</u> (To be filled by supplier and submit with offer)

Fender No.		E5153068 due on 14/06/2025				
Descri	iption :	RATE CONTRACT FOR HILFSSTOFF 38 .HZN 451560P AUXILIARY MATERIAL OR EQUIVALENT MATERIAL AUXILIARY ADDITIVE 3A 333 TO TM11516 REV 01				
		TENDER QTY.: 350 Kgs, +/- 30%				
Sr.	ELEMENTS	Delivery required as per NIT.  Standards	To be offered/confirmed by supplier	Remarks, if any		
No.	- Lieuwenia	Standards	To be offered, committee by supplier	Remarks, it arry		
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 relevan MSME act in force) and subject to acceptance of material and relevant documents at BHEL. PI 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				
27	Details of location of value addition / manufacturing	As per supplier				
28	Other Charges (If any)	Applicable / Not Applicable. (If applicable please mention percentage (%) / Value (along with type of charges).				
29	Penalty for delayed performance as per BP200102B & NIT	Yes / No (In case of "No", your offer will be loaded suitably)				
30	Confirmation that documents pertaining to technical PQR & Financial PQR has been submitted	Yes / No				
31	Acceptance to "REVERSE AUCTION" if conducted (As per BHEL's RA policy)	Yes / No	Not Applicable			
32	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.				
33	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).				
34	Quotation Validity will be 90 days from the date of techno-commercial bid opening.	Yes				
35	Tender fees submitted	Yes / Not Applicable	Not Applicable			

### **Technical Pre-Qualification Requirement**

Date: 8.05.25

Technical Pre-Qualification Requirement of Auxiliary Material or equivalent Filler as per specification TM11516 of Three Phase AC Traction Motor type IM3302:

		Vendor to comment		
SI. No.	Description	Complied / Not complied	Supporting relevant document to be submitted	
1.	Auxiliary Material or equivalent Filler should be exactly as per specification mentioned in enquiry/NIT	Yes/No	<ul> <li>Technical data sheet &amp; Material Safety Data Sheet (MSDS) of offered material.</li> <li>Storage &amp; handling instructions.</li> </ul>	
2.	Supply experience in preceding 5 years (from original tender opening date) of same/similar item to Indian railway / Traction machines manufacturers. (Development /Trial order shall not be considered)	Yes/No	<ul> <li>Detail of Plant &amp; Machinery.</li> <li>Un-price PO copies &amp; corresponding proof of supply (Delivery Challan/invoice etc.) of same/similar item in preceding 5 years from original tender due date.</li> </ul>	
3.	Availability of Testing facilities required to conduct property test as per specification mentioned above.  List of outsourced testing facility (if used) to be submitted. Testing lab/ firms should necessarily be accredited by NABL or equivalent international agency.	Yes/No	<ul> <li>List of in-house testing facilities to be submitted.</li> <li>Outsourced facility used (if any) to be submitted.</li> </ul>	

### **Notes:**

- 1. Compliance of all the points in above PQR is mandatory. In absence of compliance of above, vendor's offer is liable to be rejected.
- 2. Declaration by vendors regarding information / compliance submitted by vendor should be correct in all respect. In case any deviation/false information is revealed later on, BHEL is free to initiate appropriate punitive proceeding as per prevalent processes and guidelines of company.
- 3. Auxiliary material compatible with for Silicon Impregnating Resin H62C shall be considered as same/similar item.

(F) 405/25	0 5/15
S. S. Patel	Vikas Rawtiya
Manager/TME	SDGM/TME



# PRODUCT STANDARD TME DIVISION, BHOPAL

TM 11516

REV 01

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### SPECIFICATION FOR THE SUBSTANCE FILLER/AUXILARY MATERIAL

### 1.0 General

This specification governs technical requirements of filler/ Auxiliary material to be used with Silicone Impregnating Resin. The material shall comply with specification instructions properties and all other listed requirements in this specification.

### 1.1 Filler/Auxiliary material

Filler/ Auxiliary material is a liquid compound used in Silicone Impregnating Resin for VPI. When mixture of Filler/ Auxiliary material and Silicone Impregnating Resin cured by heat through catalyzed addition cross linking without the formation of cleavage products. It also cures in thick layers, even contact with air, tack free and without formation of bubbles.

Mixture contains no decomposable and physiologically problematic components.

### 2.0 Application

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Used as an additive along with Silicone Impregnating Resin for vacuum pressure impregnation of traction machines winding.

### 3.0 Technical Requirements

### 3.1 Filler/ Auxiliary material Properties

Filler/ Auxiliary material properties					
S. No.	Characteristics	Typical Requirement	Test Method		
1	Color	Transparent	-		
2	Refractive index at 20 °C	1.467 ± 0.003	DIN 53491		
3	Shelf life at room temperature (≤ 25 deg C) in original airtight container	More than 12 months	IEC 60455-2 Section 14		

### 4.0 Storage & Shelf Life

The shelf life of Filler/ Auxiliary material (if any) should be more than 12 months or above when stored at room temperature (<25°C). The 'Best use before end' date should be mentioned on each drum/ container.

### 5.0 Test Certificate

Three copies of test certificates shall be supplied for each lot, unless otherwise specified on order. In addition, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information: TM11516, BHEL Purchase Order No., Supplier's Name/Grade/Identification No., Weight, and Packet/Container/Drum No., Properties of test as per this standard.

1					
Revision: 01	Distribution	Qty	Approved:	(Vikas	Rawtiya)
Dt:	TME	1	Prepared:	Checked:	Date:
08/05/2025	QTM	1			
	MNX	1	(1=105/25	FU BIOS	
	TXM	1	(105/2)		
		1	(P Telang)	(S S Patel)	08/05/2025

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# PRODUCT STANDARD TME DIVISION, BHOPAL

TM 11516

**REV 01** 

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## 6.0 Approved Grades

The material shall be ordered on BHEL approved grade only. At present following grade is approved by BHEL:

Filler/ Auxiliary material	Auxiliary Material 38 (HILFSSTOFF 38) as per ABB identification no. HZN451560, specification HZLK 605002
Auxiliary material	Auxiliary material 3A-333 of 3A Associates incorporated

### Notes:

- Any other grade can be offered against this specification, subject to meeting material properties as per
  this specification and prior evaluation & approval of BHEL. Evaluation and approval of any other grade
  shall be taken up separately.
- For any other grades supplier to submit Technical data sheet, MSDS, test certificate as per this specification from NABL/ any internationally accredited lab.
- If any deviation in product data, firm may seek approval of same submitting detail justification regarding properties.
- Firm should submit compatibility test report of their product vs Existing Silicone based resin combination for Vacuum Pressure Impregnation (VPI) indicating that there will be no adverse effect on existing insulation scheme.
- Supplier to confirm that offered material is compatible with existing silicon impregnating resin. Supplier to submit report of test conducted for compatibility with existing silicon impregnating resin.

### 7.0 Revision History

S. No.	Revision No.	Date	Description
1	00	15/11/2011	Original issued
2	01	08/05/2025	Specification updated

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