कदम कदम मिलाना है ग्राहक सफल बनाना है

ENQUIRY

TWO PART BID

E-TENDER

भारत हैवी इलेक्ट्रिकल्स लिमिटेड, पिपलानी, भोपाल— ४६२०२२ (भारत)

सामग्री प्रबंधन विभाग

BHARAT HEAVY ELECTRICALS LIMITED, PIPLANI, BHOPAL-462022 (INDIA) **MATERIALS MANAGEMENT DIVISION**

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

ENQUIRY NO ENQUIRY DATE

E5953003

25/04/25

ENQUIRY DUE DATE

05/05/25

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	121351052
	GUARANTEE C	ERTIFICATE	Y	SUPPLY CONDIT	TION SUPPL	IER`S IDENTIFICA	TION MARK SHOULD BE	E
	TEST CERTIFIC	CATE	Y		ON EA	АСН ЈОВ.		
	INSTRUCTION	BOOKLET	N	TECHNICAL CO	NDITION AS PER	R DRG.		
	SAMPLE		N					
	GATE PASS		Y	INSPECTION CO	NDITION BY BH	EL AUTHORISED	TPIA AT VENDORS WOR	K
NOTE: QUOTE PRICE ROTH IN FIGURES & W	ODDS IN CASE OF N	MISMATCH DD	ICE IN WOL	DOS WILL BE VALI	D OHOTATIONS N	OT READING FNO	HIDV NO AND DUE DA'	rr

LIABLE TO BE REJECTED.

SL	MATERIAL	DESC	UNIT	ITEM	QTY	LOT	LOT	DEST	DELIVERY
NO	CODE			QTY	VR%	NO	QTY		DATE
1	BP9094675935	TA 9901AZ BEARING HOUSING TO DRG. NO.24304476001 V00 REV.05. PART DRG.NO.34304476008 REV.02. TO BE SUPPLIED IN PROPER PACKING.	NO	50.000	30	1	25.000	213	23/06/25
		DRG.NO.34304470000 REV.02. TO DE SUPPLIED IN PROPER PACKING.				2	25.000	213	23/07/25

REMARK TERMS & CONDITIONS AS PER NIC TENDER

DRAWING	Y	PURCH SPEC	Y	CATALOUGE	N	Quality Surveillance Pl ft $ m Y$	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.

3.In case you are not making an offer against this Enquiry, we request you to post a regret letter.

Documents Enclosed

3. Purchase specification. 1.Drawing. 2.Catalogue. 4.Quality Surveillance Plan. NAME: SHRI MANENDRA SINGH

SPECIAL REMARK: Bid to be submitted through e-procurement. Refer eproc link on BHEL Bhopal B2B site.

DESG: DY.MANAGER

0755-2505880

manendra1@bhel.in

SIGN & SEAL

1. This is only a request for Quotation & not an order.

4.Indian vendors to please indicate GSTIN on their quotation.

2.Small Scale industries should indicate SSI Regn. No. in Ouotation/invoice.

DRAWING

Marching Towards Business Excellence

कदम कदम मिलाना है ग्राहक सफल बनाना है

ENQUIRY

TWO PART BID

E-TENDER

भारत हैवी इलेक्ट्रिकल्स लिमिटेड, पिपलानी, भोपाल— ४६२०२२ (भारत) सामग्री प्रबंधन विभाग

BHARAT HEAVY ELECTRICALS LIMITED, PIPLANI, BHOPAL-462022 (INDIA) MATERIALS MANAGEMENT DIVISION

TIN NO- 23573000001 ECC NO- AAACB4146PXM009 FAX: 91-755-2500023 PHONE NO: 91-755-2500100 www.bhel.com

MPCT NO- HEL/05/01/0001/S15/11/79

ENQUIRY NO

E5953003

ENQUIRY DATE

25/04/25

 \mathbf{E}

ENQUIRY DUE DATE

05/05/25

SUPP NAME AND ADDRESS	SUPP CODE	REV CD	REV NO	REV DATE	NO OF CAT	Y2 NO OF CATY3	ENQ NO OF ITEMS	INDENT NO
		1	0	NA	1	2	1	121351052
	GUARANTEE C	CERTIFICATE	Y	SUPPLY CONDIT	TION S	SUPPLIER'S IDENTIFICA	TION MARK SHOULD B	Е
OFFICE COPY	TEST CERTIFIC	TEST CERTIFICATE INSTRUCTION BOOKLET			(ON EACH JOB.		
	INSTRUCTION			TECHNICAL CO	NDITION A	AS PER DRG.		
	SAMPLE		N					
	GATE PASS		Y	INSPECTION CO	NDITION E	BY BHEL AUTHORISED T	PIA AT VENDORS WOR	K

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.

CATALOUGE

SL	MATERIAL	DESC	UNIT	ITEM	QTY	LOT	LOT	DEST	DELIVERY
NO	CODE			QTY	VR%	NO	QTY		DATE
1	BP9094675935	TA 9901AZ BEARING HOUSING TO DRG. NO.24304476001 V00 REV.05. PART DRG.NO.34304476008 REV.02. TO BE SUPPLIED IN PROPER	NO	50.000	30	1	25.000	213	23/06/25
		PART DRG.NO.34304476008 REV.02. TO BE SUPPLIED IN PROPER PACKING.				2	25.000	213	23/07/25

REMARK TERMS & CONDITIONS AS PER NIC TENDER

PURCH SPEC

Y

SUPP CD.	SUPP NAME	MSME	STATUS.	PMD	Cust Appr	S.NO	INDENT NO	ITEM NO	CATEGORY	ENQUIRY QTY.
						1	121351052	1	4000	50.000

PLAN

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.

SPECIAL REMARKS: Bid to be submitted through e-procurement. Refer eproc link on BHEL Bhopal B2B site. NAME: SHRI MANENDRA SINGH

DESG: DY.MANAGER

TWO PART BID Y

0755-2505880 manendra1@bhel.in

SIGN & SEAL



HEAVY ELECTRICAL PLANT, BHOPAL BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003 DUE ON 05-05-2025

NIT TERMS & CONDITIONS:

SL.	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. 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 DESCRIPTION	TA 9901AZ BEARING HOUSING TO DRG. NO.24304476001 V00 REV.05. PART DRG. NO. 34304476008 REV. 02. TO BE SUPPLIED IN PROPER PACKING.
3.	QUANTITY	50 Nos
4.	QUANTITY VARIATION	± 30%
5.	DELIVERY SCHEDULE REQUIREMENT	FOR FIRST LOT OF 25 NOS. SCHEDULED DELIVERY DATE OF SHALL BE WITHIN 60 DAYS FROM THE PO DATE THEREAFTER FOR EACH SUBSEQUENT LOT OF 25 NOS. SCHEDULED DELIVERY DATE SHALL BE WITHIN 30 DAYS FROM THE SCHEDULED DELIVERY DATE OF THE PREVIOUS LOT. EARLY DELIVERY ACCEPTABLE.
6.	DELIVERY TERMS	FOR Destination (BHEL Bhopal)
7.	DELIVERY INSTRUCTION	SUPPLIER'S IDENTIFICATION MARK SHOULD BE ON EACH JOB.
8.	PAYMENT TERMS	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 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. Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ SBI base rate + 6% for the purpose of bid evaluation.
9.	SPLITTING OF ORDER	RATE CONTRACT TO BE FINALIZED ON TWO SOURCES WITH QUANTITY DISTRIBUTION RATIO OF 65% & 35% TO L-1 VENDOR AND THE OTHER BIDDER ACCEPTING L-1 RATES RESPECTIVLEY, SUBJECT TO MINIMUM 3 QUALIFIED BIDDERS. FOR ASCERTAINING BIDDER FOR 35% QUANTITY, HESG EQUIVALENT RATES OF L-1 BIDDER WILL BE SEQUENTIALLY COUNTER-OFFERED TO L-2, L-3 AND SO ON BIDDER UNTILL ANY BIDDER ACCEPTS THE SAME. INCASE OF ONLY 2 QUALFIED BIDDERS, BHEL RESERVES THE RIGHT FOR DISTRIBUTION/ NON-DISTRIBUTION BETWEEN 2 BIDDERS. IN CASE OF ONLY ONE QUALFIFIED BIDDER OR IN CASE NO BIDDER AGREES TO ACCEPT THE COUNTEROFFERED HESG EQUIVALENT RATES OF L-1, BHEL MAY DECIDE TO AWARD ENTIRE 100% QUANTITY TO L-1 BIDDER. DISTRIBUTION IN COMPLIANCE WITH 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.



HEAVY ELECTRICAL PLANT, BHOPAL

BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003 DUE ON 05-05-2025

		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 on, BHEL is free to initiate appropriate punitive proceeding against the Vendor as per Prevalent Processes and Guidelines of Company.
11.	FINANCIAL PQR (F-PQR)	Not applicable
12.	QAP	Applicable as attached with tender documents
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.
14.	PENALTY / LD	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.
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 List of Tools, Drawings, PQR, SPEC & QAP.
20.	SAMPLE	As per attached Spec
21.	INSPECTION CONDITION	BY BHEL AUTHORISED TPIA AT VENDOR WORKS
22.	TEST CERTIFICATE	All Material TC to be supplied along with material as per Spec. and TC should incorporate Spec.
23.	GUARANTEE / 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 Deposit (EMD)	Not Applicable
27.	PERFORMANCE SECURITY (PBG)	Not Applicable
28.	REVERSE AUCTION	Not Applicable



HEAVY ELECTRICAL PLANT, BHOPAL BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003

DUE ON 05-05-2025

	MSE	
29.	PREFERENCE	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 29)
30.	PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 33) For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Non-local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT. The local content to categorize a supplier as a Class-I local supplier / Class-II local supplier / Non-Local supplier and purchase preference to Class-I local supplier, is as defined in above circular issued by DPIIT/ Nodal Ministry. Bidders to also inform the Actual Percentage of the Local Content and the Complete Address of the Location of Local Value Addition as per the attached MII format, failing which no purchase preference shall be granted. In case the bid value is more than Rs. 10 Crore, the declaration relating to the Actual Percentage of the Local Content and the Complete Address of the Location of Local Value Addition shall be Certified by the Statutory Auditor or Cost Auditor, if the OEM is a Company and by a Practicing Cost Accountant or a Chartered Accountant for OEM other than Companies as per the above circular. For contracts valuing more than Rs 10 Crores, local content (in cases of self-certification submitted by bidders at the time of tendering) will be re-verified during execution of contract by Cost/ Chartered Accountant/ Statutory Auditor/Cost Auditor (as applicable) and in case of defaults, penalty upto 10% of the contract value shall be imposed. However, contract once awarded shall not be terminated on this account. Bidders or successors can be debarred for false declarations for up to 2 years. Debarred suppliers not eligible for preference in any other procuring entity.
31.	INTEGRITY PACT (IP)	Not Applicable
32.	RESTRICTION UNDER RULE 144 (xi) GFR	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 34)
33.	ANNEXURE-IX	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.
34.	BIDDER'S DECLARATION	The bidder declares that they will not enter into any Illegal or Undisclosed Agreement or Understanding, whether Formal or Informal with other bidder(s). 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, suitable action shall be taken by BHEL as per extant Policies/ Guidelines.



HEAVY ELECTRICAL PLANT, BHOPAL

BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003 DUE ON 05-05-2025

35.	CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS	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. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if: a) they have controlling partner (s) in common; or b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or c) they have the same legal representative/agent for purposes of this bid; or d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; or f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following: 1. The principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/foreign agent on behalf of only one principal; or 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 dec
36.	EVALUATION IN CASE OF MORE THAN ONE L-1 BIDDER	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 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). Ranking will be done accordingly. Decision of BHEL in such situations shall be final and binding.
37.	SPECIAL CONDITIONS	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. 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



HEAVY ELECTRICAL PLANT, BHOPAL

BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003 DUE ON 05-05-2025

		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 9 Conditions as you attached DUEL CTC of ENOLUDY (DD300103D)
	OTHER TERMS	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
39.	GEM	Departments/ Organizations/ PSUs.
	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
	DATE & TIME	any reason whatsoever it may be.
		Signed and Sealed copy of:
		- NIT
	DOCUMENTS	- BHEL GTC of ENQUIRY (BP200102B)
	TO BE	- BHEL PO Terms
	FURNISHED	Duly Filled, Signed and Sealed copy of:
42.		- T-PQR along with all supporting documents
	ALONG WITH YOUR	- Annexure-IX in Company Letterhead
		- PPP-MII Certificate for local content
	QUOTATION	- Techno-Commercial Annexure
		Others:
		- UDYAM Registration Certificate (as applicable for MSME bidders only)
		OD THIS REGISTRATION CERTIFICATE (as applicable for INSINE bladers offly)

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.	E5953003 due on 05/05/2025								
		RATE CONTRACT FOR TA 9901AZ BEA	RING HOUSING TO DRG. NO.24304476001 V00 REV. 05. PART D	DRG.NO.34304476008 REV.02. TO BE						
		SUPPLIED IN PROPER PACKING.								
Descr	iption :	TENDER QTY.: 50 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 (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)

Tende	er No.	E5953003 due on 05/05/2025							
Descr		RATE CONTRACT FOR TA 9901AZ BEARING HOUSING TO DRG. NO.24304476001 V00 REV. 05. PART DRG.NO.34304476008 REV.02. TO BE SUPPLIED IN PROPER PACKING. TENDER QTY.: 50 Nos, +/- 30%							
		Delivery required as per NIT.							
Sr. No.	ELEMENTS	Standards	To be offered/confirmed by supplier	Remarks, if any					
25	registered in Udyam certificate as per relevant	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						

<u>Duly filled Technical Pre-Qualification Requirements to be submitted along with the offer</u> <u>by vendor</u>

For uploading along with enquiry Dated: 18/04/2025

Ref No: TME/PQR/TA9901/Bearing Housing

Technical Pre-Qualification Requirements (PQR) for "Bearing Housing"

<u>Vendor should comply with the following clauses (duly filled PQR shall be submitted along with the offer by vendor):</u>

CI.	Description	Vend	lor to comment
No.		Complied / Not complied	Supporting relevant document to be submitted along with offer
1.	Vendor shall supply item as per drawing no. & description mentioned in the enquiry.	Yes/No	Not required.
2.	Vendor should be a machinist with in-house CNC machining & CMM (coordinate measuring machine) facility and not a trader.	Machinist with in- house facility/ Trader	Not required.
3.	 a) Vendor shall confirm compliance of QA plan no.TM12545 (latest revision). 	Yes/No	Not required.
	 Vendor to confirm submission of 3D CMM report of items along with the consignment as per QA plan (TM12545 latest revision) requirement. 	Yes/No	Not required.
4.	Vendor should have past experience to machine & supply any component having machined diameter of min. 425 mm by turning operation in preceding 5 years from enquiry opening date.	Yes/No	a. PO copy.b. Drawing of supplied item.c. Supply proof i.e. invoice.
	(Vendor to ensure that documents submitted against b), c) shall correlate with the submitted P.O. copy). If desired, price details in PO, invoice may be hidden.		
5.	For verification of information furnished by vendor, additional documents proofs etc. may be required by BHEL. Vendor to confirm providing the same.	Yes/No	Not required.

Notes:

- 1. Compliance of all the points in above T-PQR is mandatory. In absence of compliance of above, vendor's offer is liable to be rejected.
- 2. Information / compliance / documents submitted by vendor shall be authentic in all aspects. In case any deviation / false information / forged documents are observed, BHEL is free to initiate appropriate punitive proceeding against the supplier.

Important: This document is to be filled and submitted along with the offer. This document must be signed by authorized representative of the vendor and should contain the name of representative & seal of the company.

(Sign and Seal of Authorized representative of vendor)

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL QUALITY CONTROL TRANSPORTATION QUALITY ASSURANCE PLAN (QAP)

Ref.: TM12545 Rev. 07 Dt.06.08.22

QA Plan for fully finished components (with finish dimensions final machined on CNC machines) with mandatory requirement of checking on 3D CMM, supplied on fully finish basis or labour basis

Note: Components to be finished machined on CNC are Stator frame, Bearing assy. components (including end shields), Suspension tube & its assy. components

SI. No.	Name of the Process	Parameters of Inspection	Quantun	of Check*	Mode of Inspection/	Drawing No./Spec./Std.	Acceptance Norms***	Remarks
	Tiocess	mspection	TP (Supplier)	Inspection Agency **	Equipment		Norms	
1.	Raw material	Applicable only in	case order is execute	ed on fully finish basis			MARKET AND	
	a. If the raw material is casting.	components, only cast/integrally ca	y record verification of st as per specification	OR/13-14/001 (latest rematerial testing/checking to be supplied along ugh machined dimensions)	ng parameters a with consignm	and verification of ent.) as per raw	3 test samples (ke	el blocks separatel
	b. If the raw material is fabrication/	Applicable QAP parameters and	No: QTM/QAP/FABRI	CATED ITEMS/VENDO plate used for fabricati pection/record verificat	PR/18-19/01 (late	est revision) [Only nt (to be supplied	along with consid	nment) as per rav
	plate.							
	c. If the raw material is forging.	Applicable OAP verification of 3 to	No QTM/QAP/VEND	OOR/13-14/002 (latest blied along with consign mensions as per forging	revision) [Only nment) as per ra	record verification w material QAP to	n of testing/checki be done by TPI. N	ng parameters an
2.	c. If the raw material is	Applicable OAP verification of 3 te verification for for A) Critical to quality (CTQ) dimensions as marked in	No QTM/QAP/VEND	olied along with consign	revision) [Only nment) as per ra	record verification w material QAP to As per relevant BHEL Drawing	n of testing/checki b be done by TPI. N As per relevant BHEL Drawing	\$- In case of TM 6FRA bearing components inspection on 3D CMM, inspection
2.	c. If the raw material is forging.	Applicable OAP verification of 3 te verification for for A) Critical to quality (CTQ) dimensions	No: QTM/QAP/VEND est samples to be supp ge/rough machined di	olied along with consign mensions as per forging	revision) [Only nment) as per ra g QAP.]	w material QAP to	As per relevant	\$- In case of TM 6FRA bearing

SI.	Name of the Process	Parameters of Inspection	Quantum o	f Check*	Mode of Inspection/	Drawing No./Spec./Std.	Acceptance Norms***	Requirement from supplier
			TP (Supplier)	Inspection Agency	Equipment used			
3.	Visual Inspection	Free from visual defect.	100%	100%	Visual		Component to be free from any abnormality such as blow hole, pin hole, dent etc.	
4.	Identification marking	Identification marking at machining stage on the location shown in drawing or location may be taken from BHEL Engg. Dept.	100%	10%	Verification	As per relevant BHEL drawing/ specification TM12548	Identification marking as per BHEL drawing/spec. TM12548	
5.	Paint (Visual, Dry paint thickness and Adhesion test)	Epoxy primer paint (specification AA56113) on um-machined surfaces.	100%	100%(Visual) & 10% per lot (DFT and adhesion test)	Visual and Instruments	As per relevant BHEL Drawing/ specification TM94217 (Latest Rev)	As per relevant BHEL Drawing/ specification TM94217 (Latest Rev)	Report to be submitted for- • Visual • DFT • Adhesion
	व्य टी एम् किना	R/G.S. RATHORE PLAManager MATIM DIVISION RA/BHEL, BHOPAL						

No. Pro	Name of the Process	Parameters of Inspection	Quantum of	Check*	Mode of Inspection/ Equipment used	Drawing No./Spec./Std.	Acceptance Norms***	Requirement from supplier
			TP (Supplier)	Inspection Agency				
6.	Packing	Packaging suitability for transit & storage	100%		Visual			Each component shall be suitably packed & wrapped to avoid any damage to components during transit and ingress of water. Note: In case any damage to machined surface found during inspection at BHEL, job will be liable to be rejected.

Notes:

क्यू ते प्रशासनामा OTM Division

- 1) All test records checked by TP, Inspection agency (dully signed & sealed) as per above QAP requirement shall be submitted along with consignment.
- 2) Final acceptance will be based on inspection at BHEL, Bhopal.
- 3) (*) Quantum of inspection shall be in line with QAP unless otherwise mentioned in the drawing.
- 4) (**) Job shall be randomly selected from offered lot, the quantum of check (min. 1 no.) from the offered lot to be checked by Inspection agency. (e.g., If
- 5) (***) Sample inspection of component does not mean that the supplier will not meet drawing & specification requirements in remaining components. In case any defect / non-conformance is observed at any stage (during processing or before and after fitment in any job), the same is liable to be rejected and same shall be replaced immediately by the supplier at BHEL or BHEL Customer site (wherever deficiency is observed) and necessary penal action will be taken as per BHEL norms.

Part II: Requirement of clearance of 1st lot from BH

- 1) First lot of item shall be supplied after meeting all QAP requirements to BHEL Bhopal and supply of subsequent lots shall be undertaken only after clearance of first lot by BHEL Bhopal.
 - 2) Vendor has to initiate the supplies as per PO delivery only. Delay in supply of first lot of components or rejection of components due to any non-conformity/ quality deficiency shall not be considered as reason for delay in supply of components in subsequent deliveries as per PO delivery requirement.
- 3) Initial clearance of 1st lot of items does not absolve the supplier from supply of items as per drawing and specification requirement in subsequent lots.

Meaning of Legends: '#' - Supplier to submit test certificates & reports of above mentioned parameters.

Abbreviation: T P - Task Performer (Supplier), Inspection Agency - Quality Control (QIX / BHEL appointed inspection agency), RDSO-

Prepared by:

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उच प्रकार/Dy. Manager

वच दो एम. प्रिमार्थ/OTM - Division

वी एच ई एल. मोमाल/BHEL, BHOPAL

QTM

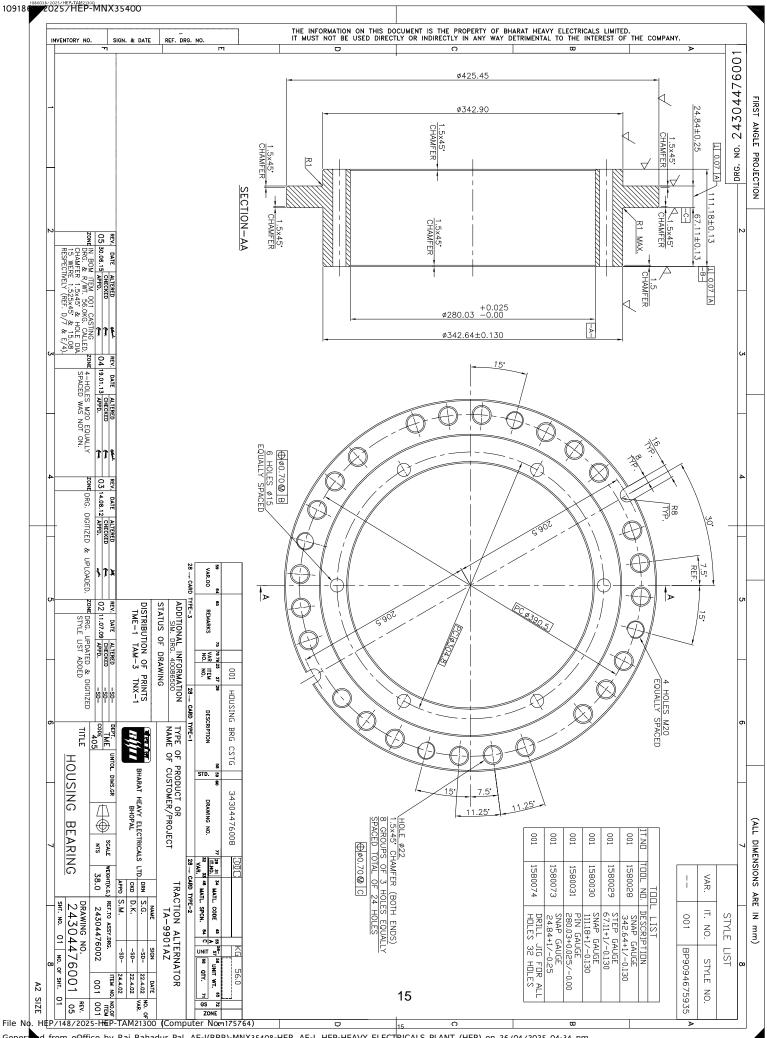
Approved by:

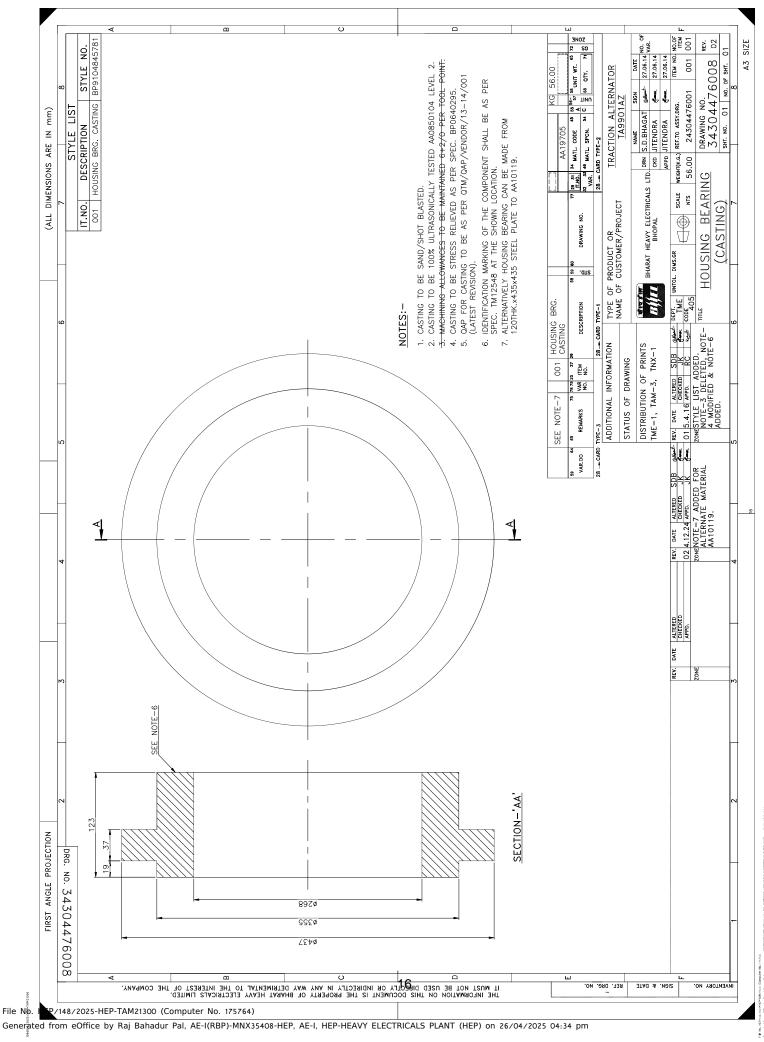
Issued by:

गजन्द सिंह राजीर

प्राचित्र सिंह राजीर

सिंह राजी







CORPORATE PURCHASING SPECIFICATION

AA 197 05

Rev. No. 06

PREFACE SHEET

GREY IRON CASTINGS - Gr: FG 350

FOR INTERNAL USE ONLY REMOVE THIS PREFACE SHEET BEFORE ISSUE TO SUPPLIERS

Comparable Standards:

1. INDIAN : IS: 210 -1993

Gr: FG 350

Suggested / Probable Suppliers and Grades:

Use plant vendor's list

User Plant References:

1. BHOPAL : PS 113111

2. HEEP, HARDWAR : 0500.301, Gr: 35

Revisions: 36 th MOM of M	RC-FCF+HTM		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE-MRC (FC&F+HTM)						
Rev. No. 06	Amd.No.	Reaffirmed	Prepared	Issued	Dt. of 1st Issue				
Dt: 01.10.2005	Dt:	Year:04-11-2011	BHOPAL	Issued Dt. of 1st 1ss					



CORPORATE PURCHASING SPECIFICATION

AA 197 05 Rev. No. 06

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GREY IRON CASTINGS - Gr: FG 350

1.0 GENERAL

This specification governs the quality requirements of Grey Iron Castings having a tensile strength of 350 N/mm².

2.0 APPLICATION

Suitable for general engineering purposes.

3.0 CONDITION OF DELIVERY

As cast or cast and stress relieved or rough machined or rough machined and stress relieved as specified in BHEL order/drawing.

Castings shall not be painted.

4.0 COMPLIANCE WITH NATIONAL / INTERNATIONAL STANDARD

Castings shall comply with the following national standards and also meet the requirements of this specification.

IS: 210-1993 (RA-2004) : Grey Iron Castings

Gr: FG 350

5.0 DIMENSION AND TOLERANCES

Castings shall be true to the pattern / drawing.

Holes for machining up to and including 50mm in diameter are to be cast solid, unless otherwise stated in BHEL order / drawing.

Unless otherwise specified on BHEL order/ drawing, untoleranced dimensions for the casings shall be as per tolerance class 5 of BHEL standard AA 023 04 02.

6.0 MANUFACTURE

The castings shall be cast from the metal melted or refined in any suitable metallurgical plant other than an iron ore smelting furnace.

All castings above five tonnes shall be mould cooled. Under mould cooling process, the mould should not be disturbed until the hottest portion of the casting cools down to 300°C.

7.0 HEAT TREATMENT

Castings shall be artificially aged (stress relieving) by heating in a furnace to a temperature of 520 to 580°C (recommended), whenever specified.

Test pieces shall also be heat treated along with the castings they represent.

Revisions : 36 th MOM of MR	C-FCF+HTM		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE-MRC (FC&F+HTM)				
Rev. No. 06	Amd.No.	Reaffirmed	Prepared	Issued	Dt. of 1st Issue		
Dt:01.10.2005	Dt:	Year:04-11-2011	BHOPAL	Corp. R&D	DEC., 1977		

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8.0 FINISH

All castings shall be properly fettled and dressed and all surfaces shall be thoroughly cleaned. Whenever specified, the machined surfaces shall have the surface finish as indicated in the drawing.

9.0 FREEDOM FROM DEFECTS

Castings shall sound, clean, free from defects such as porosity, blow holes, sand inclusions, shrinkage's, cavities, hard spots, cold shuts, cracks, etc. which may adversely affect machining and utility of castings.

10.0 CHEMICAL COMPOSITION

The composition of iron is left to the discretion of the manufacturer. (But limit of sulphur and phosphorus may be specified by BHEL, if desired). In case of special castings, the detailed chemical composition shall be as agreed between BHEL and the manufacturer.

11.0 TEST SAMPLES:

11.1 Provision of Test Bars:

All the test bars shall be cast separately in sand moulds and the number of test bars required shall be as specified in clause 11.2 below. They shall be cast at the same time and from the same melt as the castings they represent..

The test bar material shall be identifiable with that of the castings represented.

When castings are subjected to heat treatment and the test bars shall be heat treated together with the castings they represent.

11.2 Frequency Of Testing:

The number of tests required for each melt or batch of castings shall be as laid in table 1 below.

Table 1: Number of Tests

Group	Mass of Individual Castings	Test Requirements	Test Samples
* 1	upto 12.5 kg	One test for every 500kg of castings or part thereof.	3
* 2	over 12.5 kg and upto 50 kg	One test for every 1 tonne of castings or part thereof.	3
* 3	over 50 kg and upto 500 kg	One test for every 2 tonnes of castings or part thereof.	3
* 4	over 500 kg and upto 1 tonne	One test for every 3 tonnes of castings or part thereof.	3
5	over 1 tonne	One test for every 4 tonnes of castings or part thereof or one test for every casting weighing 4 tonnes or more.	3

^{*} In group 1, 2, 3 & 4 all castings represented by one test shall be poured from the same ladle or same heat as the bars provided for the test.



CORPORATE PURCHASE SPECIFICATION

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11.3 Size of Test Bars:

A test bar from which the tensile test piece is machined shall be cast as a uniform cylindrical bar of 30mm diameter. The tolerance on the diameter shall be + 2mm, - 0 mm.

The minimum length of the test bar shall be 230mm.

11.4 Dimensions of Test Pieces:

Test pieces shall conform to the dimensions as per IS:210.

Note: Test bars as specified above with proper identification and representative of the castings shall be supplied along with the consignment for testing at BHEL works.

12.0 MECHANICAL PROPERTIES

12.1 Tensile:

The test pieces prepared in accordance with clause 11.0 above shall show a tensile strength of 350 N/mm², minimum, when tested in accordance with IS:1608.

12.2 Hardness (Brinell)

Hardness shall be measured on actual casting at three different places. The castings shall have a Brinell Hardness in the range of 207 to 241 HB, when tested in accordance with IS 1500.

13.0 OPTIONAL TESTS

If specified in the drawing/order, the following tests shall be conducted.

13.1 Non-destructive test:

Magnetic Particle Inspection:

Magnetic Particle Inspection as per BHEL standard AA 085 01 33 and norms of acceptance as per AA 085 01 34 at level 2.

13.2 Hydraulic:

Hydraulic test shall be conducted by the manufacturer. In case hydraulic testing as prescribed on the BHEL order/drawing is not carried out at the manufacturer's works, the same shall be carried out by BHEL after necessary machining. However, the manufacturer shall guarantee against any leakage when tested at BHEL's end.

Test pressure and duration of test shall be as specified in BHEL order/drawing.

14.0 RETEST

Retest shall be done as per IS:210.

15.0 REPAIR OF CASTINGS

Repair of castings shall not be carried out by the manufacturer without the prior permission of BHEL.

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16.0 SCOPE OF THIRD PARTY INSPECTION:

Wherever, separate quality plan is not attached, the scope of third party inspection shall be as follows:

- 1. Review of supplier's declared chemical composition.
- 2. Selection of test samples for mechanical tests and witness of mechanical tests.
- 3. Witness of Non-destructive tests as applicable.
- 4. Review of HT charts.
- 5. Dimensional inspection.

17.0 TEST CERTIFICATES

Three copies of test certificates shall be supplied unless otherwise stated in the order, preferably in the test certificate format annexed to this specification (Annexure -1).

In addition, the supplier shall ensure to enclose one copy of the test certificate alongwith their dispatch documents to facilitate quick clearance of the material.

The following details shall be furnished in the test certificate:

- 1. Dimensional inspection
- 2. Detail of heat treatment
- 3. Hardness value
- 4. NDT
- 5. Optional tests called for in the drawing/order.

18.0 PACKING AND MARKING

Castings shall be suitably packed to prevent corrosion and damage during transit. Machined surfaces shall be properly protected with anticorrosive compounds. Each package or casting (when supplied separately) shall be legibly marked with the following information.

AA 19705: Grey Iron Castings-Gr: FG 350 BHEL Order No.

Consignment/Identification No.

Melt No.

Weight

Supplier's Name

19.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. IS: 210 2.

2. IS:1500 3. IS:1608

4. AA 023 04 02

4. AA 085 01 33

5. AA 085 01 34



CORPORATE PURCHASE SPECIFICATION

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ANNEXURE 1 - RECOMMENDED TEST CERTIFICATE FORMAT FOR CASTING

				SUF	PLIERS	'S NA	ME /	AND AD	DRES	s					······
1. Customer: 2. TC No. & Date 3. PO No.: 4. Process of Me 5. Deoxidisation	elling :	s						7. 8. 9.	Cast No Batch N Heat Co Spec., I Test Ba	lo.: ode: No.:	· :	,			
			-	1	. CAST	ING C	OVE	RED BY	T.C.						
SI. No.		Dr	awing N	lo. & i	tem No.			T	Des	criptio	ī		Quan	tity & V	Veight
										•			,		
•			1	2. CH	EMICA	CON	APOS	ITION	(PERC	ENT)					
Element	С	SI	Mn	S	Р										
As per Min. Spec. Max					ļ		_		<u> </u>	<u> </u>		-	ļ 		
					-		_	+-	-	 	 			-	┼
Actual Values.							L	<u> </u>			<u> </u>		<u></u>		
			(To be	ассоп	13. rpanied i			Chart,		r called	for)				
Condition		Te	mp.ºC					Soaking	Time.	Hrs		C	Coolin	g Medie	ım
					4. MEC	HANK	CAL	PROPE	RTIES						
	T.S. N/mm2	2 0.5	Y.S. 70.2% P N/mm2	roof	% E on GL .65 SO	% R Mir	1000000	Hardnes Min. 3 \		Imp Value,		Bend			
As per " Min. Spec. Max.															
Actual Values.				-				_		├──				 	
15. Surface Fir				_ 		i		L						<u>. </u>	
16. DIMENSIO				9)	 					-	-				
					17.NON	-DEST	TRUC	TIVE 1	ESTS						
Nature of Test	Acce	ptano	e Leve	ı Ir	nstrumen	t used		Rar	nge	1	Res	ults	Ar	y other	details
Ultrasonic							1						T		
Radiographic													T		
Dye Penetrant/ Magnetic Partic	le l						T						1		
18. OTHER TE	STS, IF			D-								-			
19. IDENTIFIC															
We hereb accordan	y certify ce with th	thal li he dra	he llems wings,	mentk	oned abov	e have	been	tested a order.	nd Inspe	cted in	our pre	sence an	d are	found to	be in
Signature & Seal (Purchase				er								al of the C			Control
Date :											C	ale :			
instruction: a) if aleel is b) Test Cert -c) All the en d) if testing e) The actus	liicales a tries inci is done b	re to luding by out	be furnis signatur side ag	hed a re shou encles	per Pur lid be in I the origi	chase C clack ir nai TC:	order nk. shall	and Spec	shed.	s, In A4	Size t	ansparer	it pap	er.	



BHARAT HEAVY ELECTRICALS LIMITED - BHOPAL TOOLS REQUIRED FOR INDENT ITEMS INDENT NO 121351052

0 Rev No

23-APR-25 **Rev Date**

Tform Date

Itm No	Indent Item Description	Indent Item Description Tool Description						
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	DRILL JIG FOR ALL HOLES 32 HOLES	1580074	50000				
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	PIN GAUGE	1580031	6000				
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	SNAP GAUGE	1580028	10000				
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	SNAP GAUGE	1580030	10000				
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	SNAP GAUGE	1580073	10000				
1	BEARING HOUSING TO DRG. NO. 24304476001 V00 REV.05	STEP GAUGE	1580029	10000				

PREPARED BY SHRI NUNARAM TUDU ADDL.ENGINEER