

कदम कदम मिलाना है ग्राहक सफल बनाना है

Marching Towards Business Excellence



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

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

E5953003

ENQUIRY DATE

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 CERTIFICATE		Y	SUPPLY CONDITION SUPPLIER'S IDENTIFICATION MARK SHOULD BE ON EACH JOB.				
	TEST CERTIFICATE		Y					
	INSTRUCTION BOOKLET		N	TECHNICAL CONDITION AS PER DRG.				
	SAMPLE		N	INSPECTION CONDITION BY BHEL AUTHORISED TPIA AT VENDORS WORK				
	GATE PASS		Y					

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	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
						2	25.000	213	23/07/25

REMARK TERMS & CONDITIONS AS PER NIC TENDER

DRAWING	Y	PURCH SPEC	Y	CATALOUGE	N	Quality Surveillance Pl:	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.

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

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

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

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

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

ENQUIRY

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ENQUIRY

TWO PART BID

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E-TENDER

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, पिपलानी, भोपाल- ४६२०२२ (भारत)

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SUPP NAME AND ADDRESS	SUPP CODE	REV CD	REV NO	REV DATE	NO OF CATY2	NO OF CATY3	ENQ NO OF ITEMS	INDENT NO
OFFICE COPY		1	0	NA	1	2	1	121351052
	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.				
	SAMPLE		N					
	GATE PASS		Y	INSPECTION CONDITION BY BHEL AUTHORISED TPIA AT VENDORS WORK				

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
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REMARK TERMS & CONDITIONS AS PER NIC TENDER

DRAWING Y PURCH SPEC Y CATALOUGE N PLAN Y TWO PART BID 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

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

0755-2505880

manendra1@bhel.in

SIGN & SEAL

ENQUIRY



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

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

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 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 RESPECTIVELY, 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 QUALFIED 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.



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BHEL ENQUIRY NO. E5953003

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		<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>
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



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29.	MSE PREFERENCE	As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 29)
30.	PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA)	<p>As per attached BHEL GTC of ENQUIRY (BP200102B, Cl. No. 33)</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><i>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.</i></p>
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	<p>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.</p> <p>In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant Policies/ Guidelines.</p>



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BHARAT HEAVY ELECTRICALS LIMITED

BHEL ENQUIRY NO. E5953003
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35.	CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS	<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. 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:</p> <p>a) they have controlling partner (s) in common; or</p> <p>b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or</p> <p>c) they have the same legal representative/agent for purposes of this bid; or</p> <p>d) they have relationship with each other, directly or through common third parties, <u>that puts them in a position to have access to information about or influence on the bid of another Bidder;</u> or</p> <p>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. <u>However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid;</u> or</p> <p>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:</p> <p>1. The principal manufacturer directly or through one Indian agent on his behalf; and</p> <p>2. Indian/foreign agent on behalf of only one principal;</p> <p style="text-align: center;">or</p> <p>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</p> <p>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. "</p>
36.	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>
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</p>



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		<p>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>
38.	OTHER TERMS & CONDITIONS	<p>Other Terms & Conditions as per attached BHEL GTC of ENQUIRY (BP200102B)</p> <p>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.</p>
39.	GEM REGISTRATION	<p>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.</p> <p>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.</p> <p>Hence, you are requested to get yourselves registered on GeM.</p>
40.	TENDER FEE	Not applicable
41.	BID SUBMISSION WITHIN DUE DATE & TIME	<p>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.</p> <p><i>BHEL reserves the right for extension of tender based on the situation without assigning any reason whatsoever it may be.</i></p>
42.	DOCUMENTS TO BE FURNISHED ALONG WITH YOUR QUOTATION	<p>Signed and Sealed copy of:</p> <ul style="list-style-type: none"> - NIT - BHEL GTC of ENQUIRY (BP200102B) - BHEL PO Terms <p>Duly Filled, Signed and Sealed copy of:</p> <ul style="list-style-type: none"> - T-PQR along with all supporting documents - Annexure-IX in Company Letterhead - PPP-MII Certificate for local content - Techno-Commercial Annexure <p>Others:</p> <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 and submit with offer)

Tender No.		E5953003 due on 05/05/2025		
Description :		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
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		
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 and submit with offer)

Tender No.		E5953003 due on 05/05/2025		
Description :		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	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		
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	

गजेन्द्र सिंह राठौर / G.S. RATHORE
उप प्रबंधक / Dy. Manager
क्यू.टी.एम. विभाग / QTM Division
बी.एच.ई.एल., भोपाल / BHEL, BHOPAL

गजेन्द्र सिंह राठीर / G.S. RATHORE
 डि. एम्. ए. डि. Manager
 क्यू. टी. एम्. विभाग / QTM Division
 बी.एच.ई.एल. भोपाल / B.H.E.L, BHOPAL

ब्यू. व. ए. डी. वि. / QTM DIVISION
बी. एच. ई. एल. नोपाल / B.H.E.L. BHOPAL

- ब्यू. व. ए. डी. वि. / QTM DIVISION
बी. एच. ई. एल. नोपाल / B.H.E.L. BHOPAL

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INVENTORY NO.

SIGN. & DATE

REF. DRG. NO.

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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:

36th MOM of MRC-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

December, 1977



AA 197 05	CORPORATE PURCHASE SPECIFICATION	
Rev. No. 06		
PAGE 2 OF 5		

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.

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CORPORATE PURCHASE SPECIFICATION



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. IS:1500 3. IS:1608 4. AA 023 04 02
4. AA 085 01 33 5. AA 085 01 34

PAGE 5 OF 5

SUPPLIERS'S NAME AND ADDRESS											
1. Customer :						6. Cast No. & Date :					
2. TC No. & Date :						7. Batch No. :					
3. PO No. :						8. Heat Code :					
4. Process of Melting :						9. Spec.. No. :					
5. Deoxidisation Process						10. Test Bar Size					
II. CASTING COVERED BY T.C.											
Sl. No.		Drawing No. & Item No.				Description				Quantity & Weight	
12. CHEMICAL COMPOSITION (PERCENT)											
Element	C	Si	Mn	S	P						
As per Min.											
Spec. Max.											
Actual Values.											
13. HEAT TREATMENT											
(To be accompanied by Recorder Chart, wherever called for)											
Condition		Temp. °C				Soaking Time, Hrs..				Cooling Medium	
14. MECHANICAL PROPERTIES											
	T.S. N/mm2	Y.S. 0.50, 2% Proof N/mm2	% E on GL 5.65 SO	% R.A. Min	Hardness BHN Min. 3 Values	Impact Value, Joules	Bend				
As per Min.											
Spec. Max.											
Actual Values.											
15. Surface Finish (When called for in the order/drg)											
16. DIMENSIONAL INSPECTION											
17. NON-DESTRUCTIVE TESTS											
Nature of Test	Acceptance Level	Instrument used			Range	Results	Any other details				
Ultrasonic											
Radiographic											
Dye Penetrant/ Magnetic Particle											
18. OTHER TESTS, IF ANY (MICRO- Scope, Hydraulic, Etc.)											
19. IDENTIFICATION ON CASTING AS PER CPS.											
<p>We hereby certify that the items mentioned above have been tested and inspected in our presence and are found to be in accordance with the drawings, specifications and purchase order.</p> <p>Signature & Seal of the Inspecting Officer (Purchase Representative)</p> <p>Date :</p> <p style="text-align: right;">Signature and Seal of the Chief of Quality Control Chief Metallurgist of the Supplier.</p> <p style="text-align: right;">Date :</p>											
<p>INSTRUCTION :</p> <p>a) If steel is produced by LD or Oxygen process, Nitrogen content should be furnished and shall not exceed 0.008%</p> <p>b) Test Certificates are to be furnished as per Purchase Order and Specifications, in A4 Size transparent paper.</p> <p>c) All the entries including signature should be in black ink.</p> <p>d) If testing is done by outside agencies, the original TCs shall be furnished.</p> <p>e) The actual Test Certificate may run into more than one A4 size paper, if needed, to facilitate filling up of details.</p>											

INDENT NO 121351052

Tform Date

Itm No	Indent Item Description	Tool Description	Tool No	Tool Value
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

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