



**BHARAT HEAVY ELECTRICALS LIMITED**  
**HEEP HARIDWAR INDIA-PIN 249403**  
**FAX NO: 0091 1334 226462**  
**PHONE NO: 0091 1334 285462**



**REQUIREMENT OF PINION GEAR AS PER DRAWING NO- 37820812123.**

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam and gas turbines, turbo generators, Defense Items and so on.

Details of items details as below:

SLN	MAT CODE	ITEM DISCREPTION	QUANTITY (NOS.)	Dly. Schedule
1	W97015105101	PINION GEAR AS PER DRAWING NO-37820812123 AND TECHNICAL SPEC. NO-DPE/TS/ PINION GEAR_2023_37820812123 SIZE: 37820812123	64	30.12.2024

1. EARLY DELIVERY IS ACCEPTABLE.
2. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF **PRE-QUALIFICATION REQUIREMENT/PQR** FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY.
3. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS (IF APPLICABLE).
4. KINDLY **SUBMIT TECHNO-COMMERCIAL CHECKLIST** ALONG WITH YOUR OFFER.
5. VENDORS TO CONFIRM FOR INSPECTION BY BHEL/BHEL TPJA M/S. QUEST AND INDIAN NAVY (IF REQUIRED) AS PER BHEL AND INDIAN NAVY (IF REQUIRED) APPROVED QUALITY PLAN.
6. VENDOR TO SUBMIT DETAILED QULAITY PLAN COVERING RAW MATERIAL CHECKS, IN PROCESS AND FINAL STAGE CHECKS FOR BHEL AND INDIAN NAVY (IF REQUIRED) APPROVAL AS PER ATTACHED BHEL FORMAT IN-LINE WITH ENQUIRY DRAWING AND SPECIFICATION.
7. IN CASE OF ORDERING, VENDORS TO FOLLOW INSPECTION TERMS AND CONDITION AS PER APPROVED QUALITY PLAN ONLY.VENDOR TO CONFIRM TO PROVIDE TEST CERTIFICATES AS PER MANUFACTURER'S STANDARD PRACTICE INCLUDING DOCUMENTS COFORMING TO ENQUIRY MAKE/MODEL/PART NO. ALONG WITH THE MATERIAL.

**PREQUALIFYING REQUIREMENTS (PQR) FOR PROCUREMENT OF PINION GEAR AS PER  
DRAWING & SPECIFICATION**

SLN.	PQR REQUIREMENT	ACTION REQUIRED	VENDOR REPLY (Yes/No)	Proof attached
1.	Vendor should be manufacturer of Involute Profile Spur gears.	<i>Vendor to Confirm</i>		NA
2.	Vendor should have experience for more than 2 years from the date of enquiry in manufacturing high accuracy gears as per National/ International standards (AGMA/JIS/DIN/ISO) equivalent to Class 7 DIN 3961. To support this, Documentary Proof to be furnished by way of Unpriced Purchase Order Copy to other customers with verifiable details such as name & designation of Issuing Authority and its organization contact number and E-mail Id.	<i>Vendor to Confirm</i>		To attach
3.	Vendor should have in-house gear manufacturing & testing facility as below: a) <u>Manufacturing Facility</u> : Gear Hobbing / Shaping, Gear Grinding / Honing, Gear Shaving etc b) <u>Inspection Facility</u> : Involute profile tester, Motorized Gear roll tester, 3D CMM etc. Documentary proof in this regard to be furnished.	<i>Vendor to Confirm</i>		To attach
4.	BHEL reserves right to visit the Works of the Manufacturer for Physical verification of the Manufacturing & Testing facilities (as declared by them) and assessment of their Quality systems during Technical Evaluation of the Offers.	<i>Vendor to Confirm</i>		NA
5.	Vendor has understood BHEL specifications, standards, drawings.	<i>Vendor to Confirm</i>		NA
6.	Vendor to arrange material as per BHEL drawings and material specifications. Vendor to provide Material Test Certificate (MTC) from NABL certified Lab. In case of deviation/substitution in material grade prior approval is required from BHEL.	<i>Vendor to Confirm</i>		NA
7.	Vendor to submit detailed Manufacturing Process Plan & Quality Assurance Plan (QAP) along-with offer.	<i>Vendor to Confirm</i>		To attach
8.	Vendor to offer first article for BHEL approval. After BHEL approval, batch production will be started.	<i>Vendor to Confirm</i>		NA
9.	BHEL reserves the right to verify information submitted by the vendor. In case information is found to be false/incorrect, the offer shall be rejected.	<i>Vendor to accept</i>		NA
10.	<i>Non Submission of the above requested documents/non compliance to the above points will result in rejection of the Offers without further Notice/Intimation to the Bidder and no correspondence will be entertained at later date.</i>	<i>Vendor to accept</i>		NA



Sunil Kumar Singh

AGM(DPE-DABG)



Rahul Kumar

SM (DPE-DABG)

**TECHNICAL SPECIFICATION****FOR****PINION GEAR P/N 37820812123****FOR****76/62 SUPER RAPID GUN MOUNT (SRGM)**

	Name	Date
<b>Drafted by:</b>	RAHUL KUMAR	23.02.2023
<b>Reviewed by</b>	SUNIL KUMAR SINGH	23.02.2023
<b>Approved by:</b>	UMESH DUTT	23.02.2023

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## REVISION HISTORY

REV.	DATE	DESCRIPTION
0	Feb, 2023	First Issue

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## 1. PURPOSE

This specification deals with the manufacturing of Pinion Gear P/N 37820812123-rev02 as per **APPENDIX-1**.

## 2. SCOPE

The scope includes following:

- Raw Material as per BHEL specification AA10218 (40C8 Quenched & Tempered, IS:5517-1993)
- Finalization of Quality Assurance Plan. Verification of vendor gear manufacturing process as per quality standards class 7 DIN 3961 will be part of QAP.
- Manufacturing, Testing & Inspection of the Pinion Gear P/N 37820812123-rev02 of SRGM as per drawing.
- Tooling, testing & inspection instruments to be arranged by Vendor.
- Protective surface coating on final item as per BHEL Standard AA0673609 or Zinco-Nickel as per OTO standard RS-10.
- Approval of First Article before starting batch production
- Batch Production
- Packaging & Supply

Vendor to ensure following:

- Material shall conform to specifications as per BHEL documents and drawings. Hardening & Tempering of the raw material to be ensured. Any deviation with respect to material specifications to be approved from BHEL before manufacturing.
- Manufacturing plan to be prepared by vendor and furnished to BHEL for approval.
- Quality Assurance Plan (QAP) for manufacturing and inspection to be prepared by vendor and furnished to BHEL for approval.
- Production of Gear will commence only after approved QAP by BHEL.
- To conduct and record all tests and quality checks mentioned as per specifications mentioned at Para 10 (a) and Quality Plan.

## 3. DOCUMENTATION

Following documents are to be provided with supplies.

- Material Test Certificates (MTC) from NABL certified lab: covering chemical analysis and mechanical properties as given in BHEL specifications AA10218. MTC should also include ultrasonic testing AA0850118 with acceptance norms as per category 2.
- Vendor's Quality Inspection reports with respect to measurement of gear size using pins/ball, pitch measurement, span measurement, profile checking, profile error, lead error & pitch error as per Class 7 DIN 3961.

## 4. INSPECTION AND TESTING

Inspection & Testing shall be as per BHEL approved QAP at vendor's works.

## 5. ACCEPTANCE

- Manufacturing of part shall be strictly as per drawing requirements and approved QAP.
- First article acceptance: First article produced as per drawing requirements and approved QAP shall be checked for completeness by BHEL and once accepted, further production shall be done.

- Quality of pinion gear will be checked with respect to measurement of gear size using pins/ball, pitch measurement, span measurement, profile checking. Acceptance of profile error, lead error & pitch error will be as per DIN 3961/62 class 7.
- BHEL reserves the right under conditions of purchase to reject any consignment, which does not conform to the specifications.

## 6. DELIVERABLES

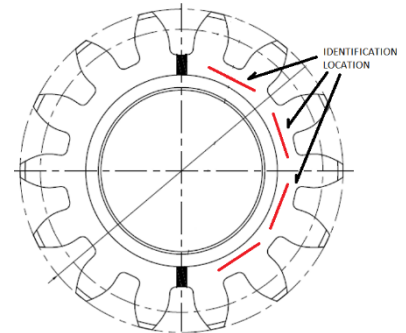
- Pinion Gear P/N 37820812123-rev02
- Documents as per Para 3

## 7. WARRANTY

- Pinion gear to be guaranteed for 36 months from final dispatch.
- The pinion gear shall be guaranteed from defects, manufacture and performance for 36 months from final dispatch and cover all the defects arising from malfunction through inappropriate material, bad production and non-conformance to specifications.
- Repair/Rework shall not be allowed.

## 8. PACKING

- Identification by Laser marking on the Pinion gear with following details: P/N 127623123, Item P.O. number & running serial No.
- Pinion Gear P/N 37820812123-rev02 should be properly packed for providing proper physical protection during transit and loading/unloading.



## 9. APPLICABLE STANDARDS AND DOCUMENTS

Pinion Gear P/N 37820812123-rev02 should be manufactured and supplied to meet the requirements specified as per BHEL drawing & quality class 7 DIN 3961. Referred standards are attached for quick reference.

### a) LIST OF STANDARDS:

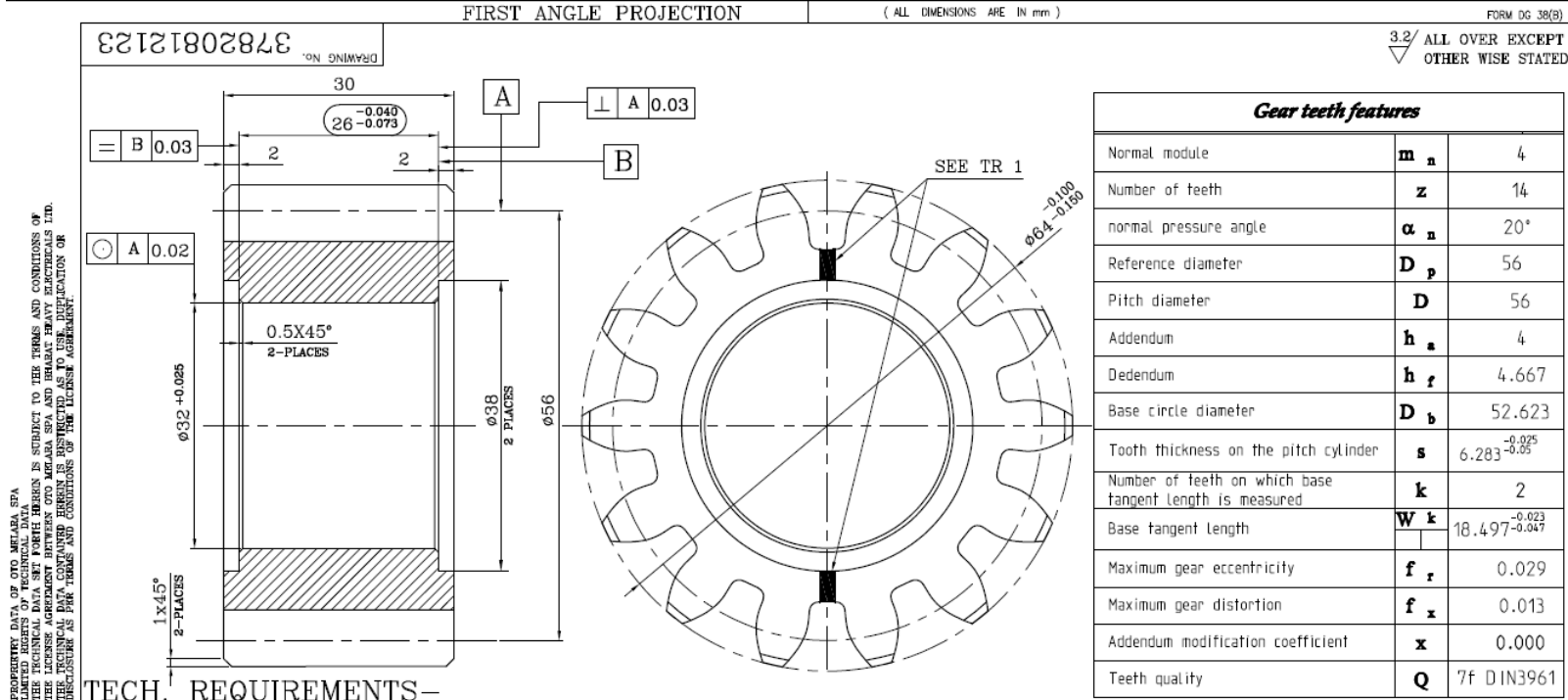
- Standard DIN 3961: for quality class & tolerances of Gear teeth
- BHEL specification AA 10218: for Material grade.
- BHEL specification AA0850118: for Ultrasonic testing classification and acceptance standards for Steel forgings, billets and blooms
- BHEL specification for AA0673609: Cadmium Plating without additional treatment
- OTO Standard RS-10: for Zinco Nickel coating

### b) LIST OF DRAWINGS:

PART NUMBER	REV	SIZE	DESCRIPTION
37820812123	02	A3	Pinion Gear



APPENDIX-1



PROPERTY DATA OF OTO MELARA SPA  
 THE TECHNICAL DATA SET FORTH HEREIN IS SUBJECT TO THE TERMS AND CONDITIONS OF  
 THE LICENSE AGREEMENT BETWEEN OTO MELARA SPA AND BHARAT HEAVY ELECTRICALS LTD.  
 THIS DOCUMENT IS FOR YOUR INFORMATION AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF OTO MELARA SPA.

TECH. REQUIREMENTS-

- ENGRAVE REFERENCE LINES 2x1 ON BOTH OF THE TEETH SPACE AND FILL THEM WITH RED LAKE
- FINAL PROTECTIVE FINISH AS PER SPEC. AA0673609.
- GEAR PROFILE SHOWN IN THE DRAWING IS INDICATIVE. GEARS TO BE MANUFACTURED BY GEAR CUTTER AS GIVEN IN THE TABLE.
- MATERIAL AS PER AA10218  
40C8 Q&T, IS: 5517.

Ref. Drawing No: 1276-08-123-03  
Sign & Date  
Inventory No.

REV	DATE	ALTERED	CHECKED
02	09.12.22	SANDEEP	RAHUL

GEAR PROFILE & DATA UPDATED. & TR. 3 IS ADDED.

DPE-22-F00\*\*

REV	DATE	ALTERED	CHECKED
01	28.05.19	HARENDRA	RAHUL

GEAR PROFILE & DATA UPDATED

DPE-19-F0026

CBOM	07820818002/00	STATUS OF DRG	
AGREED / REPT	NAME	SIGN	DATE
TTX	AKG	sd/-	2.5.2003

GENERAL TOLERANCES LINEAR DIMENSIONS UP TO 18 ±0.15 > 18 TO 80 ±0.25 > 80 ±0.4 ANGLES ±30	CASTING TOLERANCES LINEAR DIMENSIONS ±(0.5%+1MM) THICKNESS ±0% (MIN. ±0.5mm) ANGLES ±2°	FORGING TOLERANCES LINEAR DIMENSIONS UP TO 18 ±0.5-0.3 > 18 TO 80 ±1 -0.5 > 80 ±2 -0.8 ANGLES ±1°	UNLESS OTHERWISE SPECIFIED ROUND EDGES 0.3 AND CHAMFER 0.3x45° SURFACE MARKED --- REMOVE STOCK MATERIAL TO BE REMOVED AT ASSEMBLY
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT <b>SRGM 76/62</b>			
BHEL BHARAT HEAVY ELECTRICALS LTD. RANIPUR, HARDWAR		DRN S.SWAROOP sd./- 21.8.2002 CHD S.K.KATARIA sd./- 19.9.2002 APPD A.K.GUPTA sd./- 14.5.2003	NO. OF VAR -
DEPT DFP CODE 6580	SCALE NTS	WEIGHT (KG) 0.380	REF. TO ASSY. DRG. 37820812019
TITLE : <b>PINION</b>		CARD CODE -	ITEM No. 001 NO. OF ITEMS -
		DRAWING NO. <b>37820812123</b>	
		SHEET No. -01 No. OF SHEETS -01	

MANUFACTURER'S NAME AND ADDRESS			QUALITY PLAN				TO BE FILLED BY BHEL		TO BE FILLED BY BHEL			
BHEL	VENDOR'S NAME	ITEM			QP NO.							
					REV							
		DRG. NO.	AS PER PO									
		SPEC.	AS PER PO									
	REV									Page 1 of 1		
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS	AGENCY			REMARKS
									M	B	N	
1	2	3	4	5	6	7	8	9	D	10		11


		LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE	
MANUFACTURER/SUBCONTRACTOR				APPROVED BY

## TECHNO-COMMERCIAL CHECKLIST

SL. NO.	TERMS & CONDITION	VENDOR CONFIRMATION /REMARKS / REPLY
<b>TENDER DETAILS</b>		
1	BIDDER NAME	
2	GEM BID NO	
<b>QUALITY &amp; TECHNICAL REQUIREMENTS</b>		
3	ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY.	
4	KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS. (IF APPLICABLE)	
5	VENDORS TO CONFIRM FOR INSPECTION BY BHEL/BHEL TPIA M/S. QUEST AND INDIAN NAVY (IF REQUIRED) AS PER BHEL AND INDIAN NAVY (IF REQUIRED) APPROVED QUALITY PLAN.	
6	VENDOR TO SUBMIT DETAILED QUALITY PLAN COVERING RAW MATERIAL CHECKS, IN PROCESS AND FINAL STAGE CHECKS FOR BHEL AND INDIAN NAVY (IF REQUIRED) APPROVAL AS PER ATTACHED BHEL FORMAT IN-LINE WITH ENQUIRY DRAWING AND SPECIFICATION.	
7	IN CASE OF ORDERING, VENDORS TO FOLLOW INSPECTION TERMS AND CONDITION AS PER APPROVED QUALITY PLAN ONLY. VENDOR TO CONFIRM TO PROVIDE TEST CERTIFICATES AS PER MANUFACTURER'S STANDARD PRACTICE INCLUDING DOCUMENTS CONFORMING TO ENQUIRY MAKE/MODEL/PART NO. ALONG WITH THE MATERIAL.	
<b>COMMERICAL REMARKS</b>		
8	ITEM IS TO BE SUPPLIED AS PER TECHNICAL SPECIFICATION/DRAWING	
9	KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.	
10	<p><b>RISK PURCHASE:</b> IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.</p> <p>IN CASE OF BREACH OF CONTRACT, WHEREVER THE VALUE OF SECURITY INSTRUMENTS LIKE PERFORMANCE BANK GUARANTEE AVAILABLE WITH BHEL AGAINST THE SAID CONTRACT IS ATLEAST 10% OF THE CONTRACT VALUE, THE SAME BE ENCASHED. IN CASE THE VALUE OF THE SECURITY INSTRUMENTS AVAILABLE IS LESS THAN 10% OF THE CONTRACT VALUE, THE BALANCE AMOUNT BE RECOVERED FROM OTHER FINANCIAL REMEDIES (I.E. AVAILABLE BILLS OF THE CONTRACTOR, RETENTION AMOUNT, ETC. WITH BHEL) OR LEGAL REMEDIES BE PURSUED.</p>	
11	<p><b>ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:</b> IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC.</p> <p>SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE "https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors"</p>	
12	REST GENERAL TERMS AND CONDITIONS SHALL BE AS PER GEM	

1. EARLY DELIVERY IS ACCEPTABLE.
2. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF **PRE-QUALIFICATION REQUIREMENT/PQR** FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY.
3. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS (IF APPLICABLE).
4. KINDLY **SUBMIT TECHNO-COMMERCIAL CHECKLIST** ALONG WITH YOUR OFFER.
5. VENDORS TO CONFIRM FOR INSPECTION BY BHEL/BHEL TPIA M/S. QUEST AND INDIAN NAVY (IF REQUIRED) AS PER BHEL AND INDIAN NAVY (IF REQUIRED) APPROVED QUALITY PLAN.
6. VENDOR TO SUBMIT DETAILED QUALITY PLAN COVERING RAW MATERIAL CHECKS, IN PROCESS AND FINAL STAGE CHECKS FOR BHEL AND INDIAN NAVY (IF REQUIRED) APPROVAL AS PER ATTACHED BHEL FORMAT IN-LINE WITH ENQUIRY DRAWING AND SPECIFICATION.
7. IN CASE OF ORDERING, VENDORS TO FOLLOW INSPECTION TERMS AND CONDITION AS PER APPROVED QUALITY PLAN ONLY. VENDOR TO CONFIRM TO PROVIDE TEST CERTIFICATES AS PER MANUFACTURER'S STANDARD PRACTICE INCLUDING DOCUMENTS CONFORMING TO ENQUIRY MAKE/MODEL/PART NO. ALONG WITH THE MATERIAL.
8. MSE/MII: THE SUPPLIER NEEDS TO SUBMIT/UPDATE MSE/MII CREDENTIALS ON GEM PORTAL DURING PROFILE UPDATION/ OFFER SUBMISSION STAGE. THE MSE DATA SUBMITTED IS CROSS VERIFIED BY GEM WITH GOVT. OF INDIA UDYAM/NSIC DATABASE THROUGH API INTEGRATION ON REAL TIME BASIS AND FOR MII, A SELF DECLARATION IS BEING GIVEN AND AUTHENTICATED BY AADHAR OTP. IF THE SELLER FAILS TO CLAIM MSE/MII PROVISION ON GEM PORTAL AT PROFILE UPDATION/BID SUBMISSION STAGE, THE SAID SELLER WILL BECOME INELIGIBLE FOR GETTING THE MSE/MII BENEFITS FOR THAT BID AUTOMATICALLY. THE VENDOR CAN ALWAYS CONTACT THE GEM HELPDESK, IN CASE OF ANY ISSUES.
9. THE PRICE QUOTE BY BIDDER SHOULD BE INCLUSIVE OF GST & SHOULD BE ON BHEL HEEP HARIDWAR STORES BASIS.
10. BIDDER'S OFFER IS LIABLE TO BE REJECTED IF THEY DON'T UPLOAD ANY OF THE CERTIFICATES / DOCUMENTS SOUGHT IN THE BID DOCUMENT, ATC AND CORRIGENDUM IF ANY.
11. **RISK PURCHASE:**

IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXISTING RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.

IN CASE OF BREACH OF CONTRACT, WHEREVER THE VALUE OF SECURITY INSTRUMENTS LIKE PERFORMANCE BANK GUARANTEE AVAILABLE WITH BHEL AGAINST THE SAID CONTRACT IS ATLEAST 10% OF THE CONTRACT VALUE, THE SAME BE ENCASHED. IN CASE THE VALUE OF THE SECURITY INSTRUMENTS AVAILABLE IS LESS THAN 10% OF THE CONTRACT VALUE, THE BALANCE AMOUNT BE RECOVERED FROM OTHER FINANCIAL REMEDIES (I.E. AVAILABLE BILLS OF THE CONTRACTOR, RETENTION AMOUNT, ETC. WITH BHEL) OR LEGAL REMEDIES BE PURSUED.

12. **ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:**

IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC.

SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE <https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>

13. BIDDERS ARE ADVISED TO CHECK APPLICABLE GST ON THEIR OWN BEFORE QUOTING. BUYER WILL NOT TAKE ANY RESPONSIBILITY IN THIS REGARDS. GST REIMBURSEMENT WILL BE AS PER ACTUALS OR AS PER APPLICABLE RATES (WHICHEVER IS LOWER), SUBJECT TO THE MAXIMUM OF QUOTED GST %.

14. BIDDER SHALL SUBMIT THE FOLLOWING DOCUMENTS ALONG WITH THEIR BID FOR VENDOR CODE CREATION:

**A. COPY OF PAN CARD B. COPY OF GSTIN C. COPY OF MSE CERIFICATE**

15. DEDICATED /TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT: BIDDER/OEM MUST HAVE DEDICATED/TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT.

16. DATA SHEET OF THE PRODUCT(S) OFFERED IN THE BID, ARE TO BE UPLOADED ALONG WITH THE BID DOCUMENTS. BUYERS CAN MATCH AND VERIFY THE DATA SHEET WITH THE PRODUCT SPECIFICATIONS OFFERED. IN CASE OF ANY UNEXPLAINED MISMATCH OF TECHNICAL PARAMETERS, THE BID IS LIABLE FOR REJECTION.

17. SCOPE OF SUPPLY (BID PRICE TO INCLUDE ALL COST COMPONENTS): ONLY SUPPLY OF GOODS.

18. PRODUCTS SUPPLIED SHALL BE NONTOXIC AND HARMLESS TO HEALTH. IN THE CASE OF TOXIC MATERIALS, MATERIAL SAFETY DATA SHEET MAY BE FURNISHED ALONG WITH THE MATERIAL.

19. WHILE GENERATING INVOICE IN GEM PORTAL, THE SELLER MUST UPLOAD SCANNED COPY OF GST INVOICE AND THE SCREENSHOT OF GST PORTAL CONFIRMING PAYMENT OF GST.

20. **PAYMENT TERMS SHALL BE AS PER FOLLOWINGS:**

a) **FOR NON-MSES BIDDER:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order (THIS IS IN SUPERSESSION OF 10 DAYS' TIME AS PROVIDED IN CLAUSE 12 OF GEM GTC).

b) **FOR MSES BIDDER:** For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act. Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists /Dealers / Traders etc. for the items offered but not manufactured by themselves."

c) **FOR MEDIUM ENTERPRISES:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 60 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order.

- d) Please note that vendor to adhere to the payment terms as per above. No deviation in payment terms shall be accepted. Vendor to submit their offer accordingly.