



BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462, PHONE NO: 0091 1334 281561

Tender No.: T/6410/17/1249T/1

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 and so on.

Sealed tenders with the Tender No. and opening date clearly super scribed on the cover are invited from the manufacturers (registered as well as unregistered) for the supply of the following items:-

S. No.	Tender No.	Description of Item	Qty	Delivery Schedule	Opening Date
1	T/6410/17/1249T/1	HW7799912219 INDUCTION BOLT HEATING EQUIPMENT AS PER SPECIFICATION: STT0100	1 No.	31.10.2017	28.08.2017

1. VENDOR TO REPLY POINT WISE REPLY/CONFIRMATION TO PRE QUALIFICATION REQUIREMENT (PQR) AS PER ANNEXURE-2 ENCLOSED ALONG WITH ALL NECCSSARY SUPPORTING DOCUMENTS.
2. VENDOR TO FURNISH POINT WISE REPLY/CONFIRMATION AS PER ENCLOSED TECHNICAL SPECIFICATION NO.STT0100 Rev:00 AS PER ANNEXURE-3 ENCLOSED.
3. TEST CERTIFICATE & WARANTEE CERTIFICATE ARE REQUIRED.
4. OPERATION AND MAINTENANCE MANUAL ARE REQUIRED.
5. PRE DISPATCH INSPECTION (PDI) BY BHEL TEAM AT VENDOR WORKS IS REQUIRED.
6. FINAL ACCEPTANCE OF EQUIPMENT SHALL BE GIVEN AFTER SUCCEFFUL DEMONSTRATION OF EQUIPMENT AS PER SPECIFICATION (Clause: 9.2) AT HEEP BHEL HARIDWAR.
7. PAYMENT TERMS SHALL BE 100% AFTER RECEIPT AND FINAL ACCEPTANCE OF EQUIPMENT (Refer Point 7).
8. As you are all aware, GST regime is applicable wef 01.07.2017. In view of this, please provide your GST Registration number, HSN No., Clause number in which instant item falls, applicable rate of SGST, CGST and IGST and any other relevant information. Also Note that if your company falls in GST compounding scheme then no financial liability on this account will be borne by BHEL.

The tender documents can be downloaded from our web site www.bhel.com or www.bhelhwr.co.in or www.tenders.gov.in, after downloading the tender documents from web site, while submitting the tender as detailed in "Instruction to Bidders", intending vendors must remit tender fee of Rs. 2,000.00 for indigenous vendors (or equivalent amount in foreign currency for foreign vendors) against each tender if documents (in hard copies) are required from BHEL. In case of no Hard copy is required, tender fees are not required to be submitted.

EMD of Rs. 1, 00,000/- by Pay order or Demand Draft only in favor of BHEL Haridwar must to be submitted against this tender. If EMD are not submitted then offer shall be out rightly rejected.

Micro & Small Enterprises (MSEs) are exempted from submission of EMD and/or Tender fees. Documents as detailed in **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC), Version June-2017, Rev:01** hoisted on our website www.bhelhwr.co.in are to be submitted for availing exemption from submission of Tender Fees & EMDs.

The date for opening of tender shall be 28. 08.2017. Tenders will be received up to **1.45 P.M. on 28. 08.2017** and opened on the same day at **2.00 P.M. in the Tender Room.** **Please note that tender received after due date & time (1.45 PM on 28. 08.2017) will not be REPEAT will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Amendments/Corrigendum, if any, will be hosted on our web site only. Other terms and conditions will be as per tender documents. The total quantity may undergo change at the time of ordering.

Foreign and Indigenous bidders against open tender will necessarily have to obtain class – III DSCs. Procedure for application is available on www.bhel.com.

Documents submitted with the offer/bid by the bidder (original supplier) shall be signed and stamped in each page by authorized representative of the bidder. Documents not signed and stamped in each page by the authorized signatory of the bidder, shall neither be accepted nor considered for evaluation of the bid.

Vendors operating from BHEL quarters, unauthorized colonies on BHEL land and Dharamshalas/ hotels shall not be considered, hence such vendors need not apply.

Any vendor who is under hold (for the item)/ delisted/ banned with BHEL on date of opening of Part – 1 will not be allowed to quote for this tender. In case their offer is received, it may be out rightly rejected.

Vendors should offer validity of 120 days.

Please submit your offer only for the above requirement subject to our **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC), Version June 2017, Rev: 01.** Please visit our site www.bhelhwr.co.in **for General Instructions and Standard Terms & Conditions (GISTC), Version June 2017, Rev: 01 for Tender Enquiries. All the bidders/vendors must ensure compliance of these GISTC.**

BIDS shall be opened at 2.00 PM on the due date in the presence of authorized representative of the bidders who may like to be present. The authorized representative should bring authority letter from their parent company (Manufacturer) for the specific tender no. attending the bid opening.

Unregistered vendors may please visit our site www.bhel.com for filing up the Supplier Registration Form. Copy of filled Supplier Registration Form (SRF) may be submitted along with the offer.

KINDLY READ “INSTRUCTIONS TO BIDDERS.” QUOTATION NOT IN ACCORDANCE WITH THE INSTRUCTIONS ARE LIABLE TO BE DISQUALIFIED AND IGNORED.

INSTRUCTIONS TO BIDDERS FOR OPEN TENDER

DEFINITION

Registered Vendors - Are those who are registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

Un-registered Vendors - Are those who are not registered with BHEL, Haridwar for Megawatt rating/ Size/ Weight of tendered items in respective material grade or machining of such items.

ESSENTIAL INSTRUCTIONS

* Un-registered vendors may be approved by BHEL, if found suitable, on the basis of data furnished by them in Supplier Registration Form (SRF) for Foreign Vendors or Indigenous Vendors (as applicable).

* BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).

* The tenders shall be submitted in three parts in separate sub-envelopes clearly super scribing type of bid, tender no., due date and the name of vendor with full contact details.

❖ Part I –

- o Tender fee (if hard copy insisted from BHEL) & EMD
- o Documents as detailed in GISTC by MSE Supplier for availing benefits intended for MSE suppliers.
- o Duly filled Non Disclosure Agreement (Annexure IV)
- o Point wise reply/confirmation to Pre-qualifying requirement (PQR) as per Annexure-2 along with all necessary supporting documents in one go. **Noncompliance of this may lead to rejection offer.**

❖ Part II –

- o Point wise reply/confirmation to technical specification STT0100 as per Annexure-3 & necessary documents if any. **Noncompliance of this may lead to rejection offer.**
- o Techno- Commercial Bid - it should be replica of price bid (copy of price bid without price part).

❖ Part-III -

- o Price Bid

All the sub-envelopes (Part-I, Part-II & Part-III) to be put in a single covering envelope indicating tender no., due date and the name of vendor, e-mail id, with full contact details. Offer should be complete in all respect (i.e. Part-I, Part-II & Part- III). BHEL may decide to ignore the offer in case of submission of incomplete offer.

* Please submit your offer according to **General Instructions and Standard Terms & Conditions (GISTC), Version: June 2017 Rev: 01** for Tender Enquiries. Please visit our site **www.bhelhwr.co.in for GISTC**. All the bidders/vendors must ensure compliance of these **GISTC (VERSION: June-17, REV. 01)**. **GISTC (VERSION: June-17, REV. 01)** can also be referred by login to B2B Portal for Vendors.

REFERENCES:

Annexure-1: Format for CA Certificate - Applicable for MSE vendors (1 Page)

Annexure-2: Pre-Qualifying Conditions (1 Page)

Annexure-3: Technical Specification STT0100 (8 Pages)

Annexure-4: NDA (10 Pages)

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
..... is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost
excluding land and building and the items specified by the Ministry of Small Scale Industries vide its
notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and
furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED
Act, 2006:
Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of
Rs.....Lacs forMicro / Small (Strike off which is not applicable)
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant



T/6410/17/1249T/1

QUALIFYING CONDITIONS FOR INDUCTION BOLT HEATING SYSTEM

Indent no. - 20171249

	Requirement	Vendor remarks/Confirmation
a.	Supplier should be an OEM (original equipment manufacturer) or Authorized distributor of Induction Bolt Heating system.	Vendor to confirm & provide supporting documents. Vendor to provide authorization letter/certificate from OEM in case of authorized distributor.
b.	Only those vendors, who have supplied and commissioned at least one Induction Bolt Heating System of similar specification in past 10 years (on the date of opening of tender) and such equipment is presently working satisfactorily should quote	Vendor to confirm
c	Vendor to specify following information about one no. Induction Bolt Heating System supplied and commissioned, as referred in pt. no. -b.	
c.1	Power output & model no. of Induction Bolt Heating System supplied and commissioned	Vendor to specify
c.2	Date of commissioning	Vendor to specify
c.3	Name & complete address of company where referred Induction Bolt Heating System is supplied	Vendor to specify
c.4	Name, Designation, contact number & email address of contact person in company where referred Induction Bolt Heating System is supplied	Vendor to specify
d.	BHEL reserves the right to verify information provided by vendor. For this, vendor may be asked to provide copy of different documents (e.g. Copy of P.O., Commissioning report etc.). Vendor may also be required to arrange visit to their customers works, to verify their supplied items. In case information provided by the vendor is found to be false /incorrect their offer shall be rejected & suitable action shall be taken against vendor.	Vendor to confirm

1/20/17

(Om Prakash
Mgs/ BAY-24
Blade Assy)

S. S. S.

(Srinivas Kumar)
E3, TTX

88

(S. SARATHI)
EG/ TTX

B

(B.K. Roy)

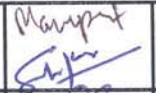
AGM (TTX, TR, JTE)

B

(K. S. S.)
(BAY-24/1)
(E3/ BAY-24/1)

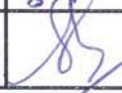
दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY)		STT0100	
				पृष्ठ 8 का 1 Page 1 of 8	
SUPERSEDE DES INVE मासकी सूची संख्या को	INDUCTION BOLT HEATING EQUIPMENT				
COPYRIGHT AND CONFIDENTIAL The information on this	Requirement		Vendor Confirmation / Remarks		
	SCOPE :				
	1	Supply of the Induction Bolt Heating equipment to BHEL Haridwar plant complying specifications and requirements as below:	Vendor to confirm.		
	2	PURPOSE			
	2.1	The Induction Bolt Heating equipment is required for heating of bolts to elongate it during tightening process and subsequent screwing of capnut on bolt to give required pre-tension in the bolts of two halves of Turbine casing.	Vendor to note & confirm.		
	2.2	Rapid, Controlled, localized (avoiding heating of threaded portion of Bolt & Capnut) & flameless heating of bolts by putting special inductors into heating holes of bolt is required.	Vendor to confirm.		
	3	DETAILS OF BOLT/ CAPNUT ASSEMBLY			
	3.1	Material of Bolt :- Alloy steel of grade X18CrMoNbVN 11-1 or equivalent material.	Vendor to note		
	3.2	Dimension of bolt/ capnut used in different Turbine casing- refer page 7 of 8.	Vendor to note		
	3.3	Sketch/picture showing tightening of two halves of casing through bolt and capnut (for reference only)- refer page 8 of 8.	Vendor to note		
स्वत्वधिकार एवं गोपनीय इस प्रयोग में दी गई सूचना भारत हेतु परमाणु विभाग की सम्पत्ति है इसका प्रयोग एवं अनावरण रूप में किसी भी तरह प्रयोग जो कि स्वयं की हित में हस्तिकारक हो	दिनांक एवं हस्ताक्षर SIGN & DATE		नाम NAME		
	TUM	K.P.SINGH	अनुवादक	TRANSLATED BY	
	WEX-EM	DEEPAK GUPTA	निर्माणकर्ता	WORKED BY	MANPREET SINGH SURINDER KUMAR
			जांचकर्ता	CHECKED BY	SWAPAN SARKAR
	महामन्त्रि विभाग AGREED DEPTT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	पर्यवेक्षणकर्ता SUPERVISED BY	
			स्वीकृति APPROVED BY : B.K. ROY	Gr. NO.	
				9	
	REV.NO.-00		निर्माण	जारी	दिनांक
	Dt-10.07.17		PREPARED: TTX	ISSUED: TTX	DATE: 10.07.17
	CHANGE ADVICE NO.				

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100	
				पृष्ठ 8 का 2 Page 2 of 8	
SUPERSEDES INVENTORY	मानकीकृत मूल्य और अधिकृत करना है	COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.			
		स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई प्रतियां भारत भारती लिमिटेड का संपत्ति हैं इसका प्रयोग एवं प्रसारण के बिना भारत भारती लिमिटेड की अनुमति के बिना नहीं किया जाय।			
दिनांक एवं हस्ताक्षर SIGN & DATE	मानकीकृत मूल्य और अधिकृत करना है	4 CONSTRUCTION DETAILS			
		4.1 Induction Bolt heating equipment is a portable unit consists of Power Supply Unit, Closed loop Chilling system for inductors as well as other parts of the system (Chiller, water tank, pump etc.) mounted on a trolley having metallic wheels and compact transformer unit with flexible interconnecting cable & necessary fixture to hold inductor and Heating Inductors of different size to suit application and specified requirements Vendor to confirm.			
दिनांक एवं हस्ताक्षर SIGN & DATE	मानकीकृत मूल्य और अधिकृत करना है	5 TECHNICAL SPECIFICATIONS / REQUIREMENTS:			
		5.1 Power Supply Unit Solid state IGBT power supply unit which converts normal power supply to High frequency Vendor to confirm			
दिनांक एवं हस्ताक्षर SIGN & DATE	मानकीकृत मूल्य और अधिकृत करना है	5.1.1 Power Output of 50 Kw or more (variable as per desired heating) to suit specified application requirements. Vendor to specify & confirm			
		5.1.2 Frequency of Output Power (Variable) to suit specified application requirements. Vendor to offer			
दिनांक एवं हस्ताक्षर SIGN & DATE	मानकीकृत मूल्य और अधिकृत करना है	5.1.3 No. of Output to suit specified application requirements. Vendor to inform			
		5.1.4 Time taken to heat up one bolt of size M130 X 8 X 535 for 0.81 elongation (dimensions are in mm) by offered system is to be less than 15 minutes Vendor to confirm			
मानकीकृत मूल्य और अधिकृत करना है	मानकीकृत मूल्य और अधिकृत करना है	REV.NO.- 00 Dt.- 10.07.17		निर्माणकर्ता WORKED BY	MANPREET SINGH SURINDER KUMAR
				जांचकर्ता CHECKED BY	SWAPAN SARKAR

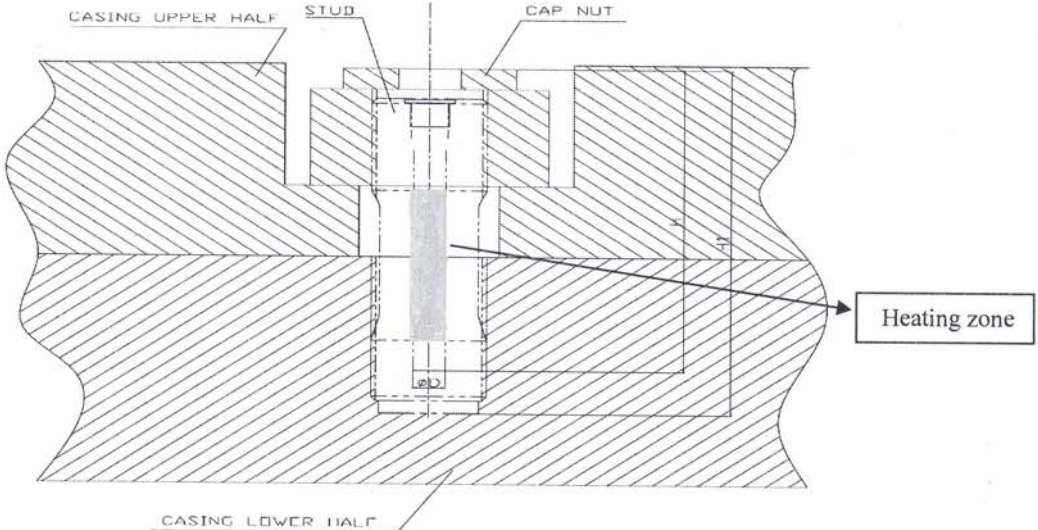
दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100																																				
				पृष्ठ 8 का 3 Page 3 of 8																																				
सामग्री सूची संख्या INVENTORY NO.	SUPERSEDES INVENTORY NO.	COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.																																						
		स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत हेवी एलेक्ट्रिकल लिमिटेड की संपत्ति है इसका प्रयोग एवं प्रसारण अन्य किसी भी उद्देश्य के बिना नहीं किया जा सकता है।																																						
दिनांक एवं हस्ताक्षर SIGN & DATE		<table border="1"> <tr> <td>5.2</td> <td><u>Chilling system</u></td> <td rowspan="2">Vendor to confirm</td> </tr> <tr> <td></td> <td>Refrigeration type water chiller for cooling of electrical items of power source, inductors, cable etc.</td> </tr> <tr> <td>5.2.1</td> <td>Chiller capacity to suit specified application requirements.</td> <td>Vendor to inform</td> </tr> <tr> <td>5.2.2</td> <td>Suitable Closed loop water cooling system with compressor, pump, SS tank, pipings, water level indicator etc.</td> <td>Details to all items used in the system to be provided</td> </tr> <tr> <td>5.2.3</td> <td>Flow rate of cooling water suitable to offered system</td> <td>Vendor to specify</td> </tr> <tr> <td>5.2.4</td> <td>Inlet water condition (QUALITY/ QUANTITY) required</td> <td>Vendor to specify</td> </tr> <tr> <td>5.3</td> <td>Compact transformer unit with at least 10 meter long flexible interconnecting cables and necessary fixtures for inductors</td> <td>Vendor to confirm & provide details</td> </tr> <tr> <td>5.4</td> <td>Heating inductors suitable for heating of different bolts sizes given in Sl. No. 3</td> <td>Vendor to confirm</td> </tr> <tr> <td>5.5</td> <td>Details of inductors for each bolt of Sl. No. 3 to be given</td> <td>Vendor to specify details</td> </tr> <tr> <td>5.6</td> <td>Watertank capacity.</td> <td>Vendor to inform</td> </tr> <tr> <td>5.7</td> <td>Type of water and its parameters.</td> <td>Vendor to inform</td> </tr> <tr> <td>5.8</td> <td>Sketch showing portable chilling unit and other suitable arrangements</td> <td>Vendor to provide details</td> </tr> </table>				5.2	<u>Chilling system</u>	Vendor to confirm		Refrigeration type water chiller for cooling of electrical items of power source, inductors, cable etc.	5.2.1	Chiller capacity to suit specified application requirements.	Vendor to inform	5.2.2	Suitable Closed loop water cooling system with compressor, pump, SS tank, pipings, water level indicator etc.	Details to all items used in the system to be provided	5.2.3	Flow rate of cooling water suitable to offered system	Vendor to specify	5.2.4	Inlet water condition (QUALITY/ QUANTITY) required	Vendor to specify	5.3	Compact transformer unit with at least 10 meter long flexible interconnecting cables and necessary fixtures for inductors	Vendor to confirm & provide details	5.4	Heating inductors suitable for heating of different bolts sizes given in Sl. No. 3	Vendor to confirm	5.5	Details of inductors for each bolt of Sl. No. 3 to be given	Vendor to specify details	5.6	Watertank capacity.	Vendor to inform	5.7	Type of water and its parameters.	Vendor to inform	5.8	Sketch showing portable chilling unit and other suitable arrangements	Vendor to provide details
5.2	<u>Chilling system</u>	Vendor to confirm																																						
	Refrigeration type water chiller for cooling of electrical items of power source, inductors, cable etc.																																							
5.2.1	Chiller capacity to suit specified application requirements.	Vendor to inform																																						
5.2.2	Suitable Closed loop water cooling system with compressor, pump, SS tank, pipings, water level indicator etc.	Details to all items used in the system to be provided																																						
5.2.3	Flow rate of cooling water suitable to offered system	Vendor to specify																																						
5.2.4	Inlet water condition (QUALITY/ QUANTITY) required	Vendor to specify																																						
5.3	Compact transformer unit with at least 10 meter long flexible interconnecting cables and necessary fixtures for inductors	Vendor to confirm & provide details																																						
5.4	Heating inductors suitable for heating of different bolts sizes given in Sl. No. 3	Vendor to confirm																																						
5.5	Details of inductors for each bolt of Sl. No. 3 to be given	Vendor to specify details																																						
5.6	Watertank capacity.	Vendor to inform																																						
5.7	Type of water and its parameters.	Vendor to inform																																						
5.8	Sketch showing portable chilling unit and other suitable arrangements	Vendor to provide details																																						
सामग्री सूची संख्या INVENTORY NO.	REV.NO.- 00 Dt.- 10.07.17	निर्माणकर्ता WORKED BY	MANPREET SINGH SURINDER KUMAR																																					
		जांचकर्ता CHECKED BY	SWAPAN SARKAR																																					

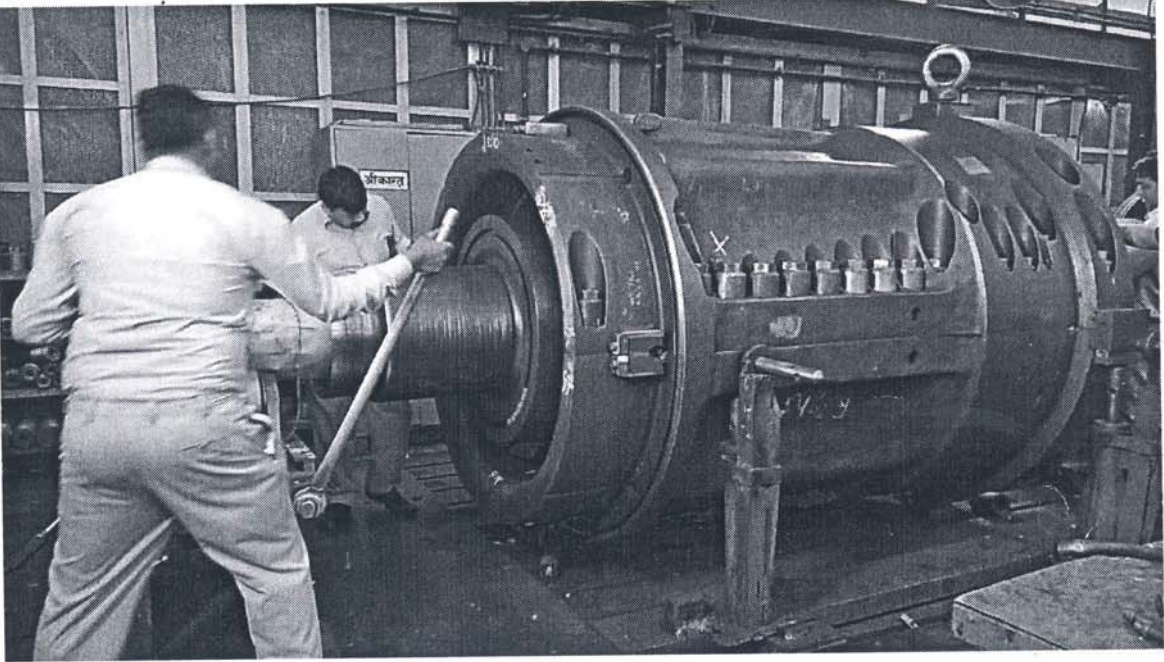
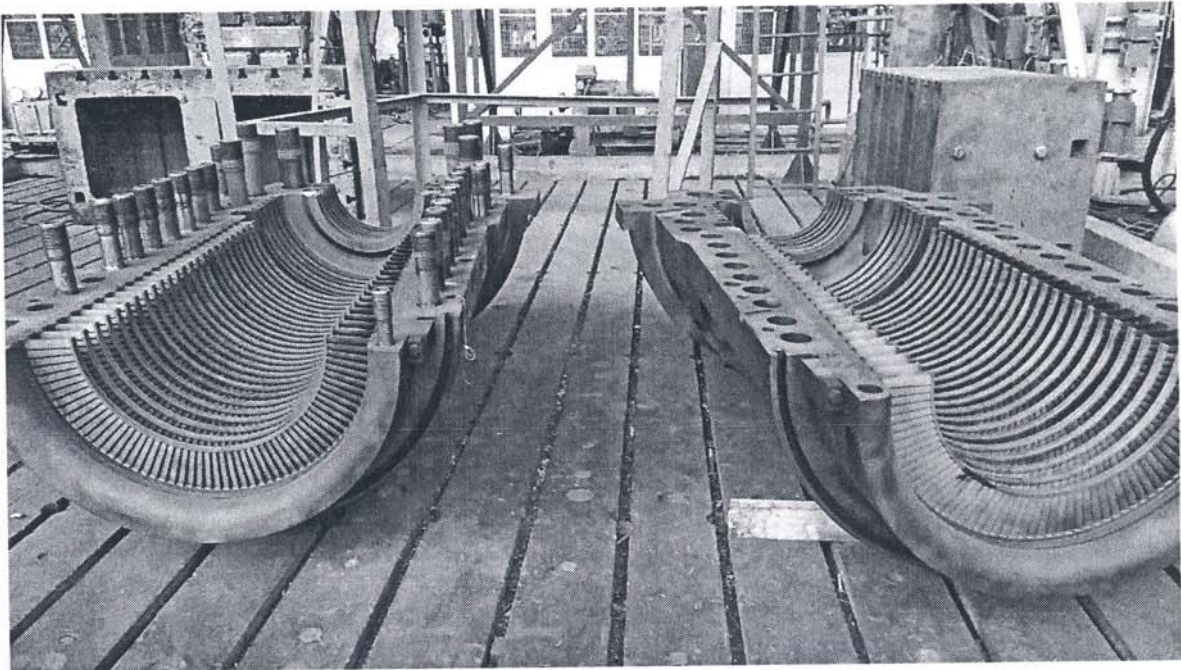
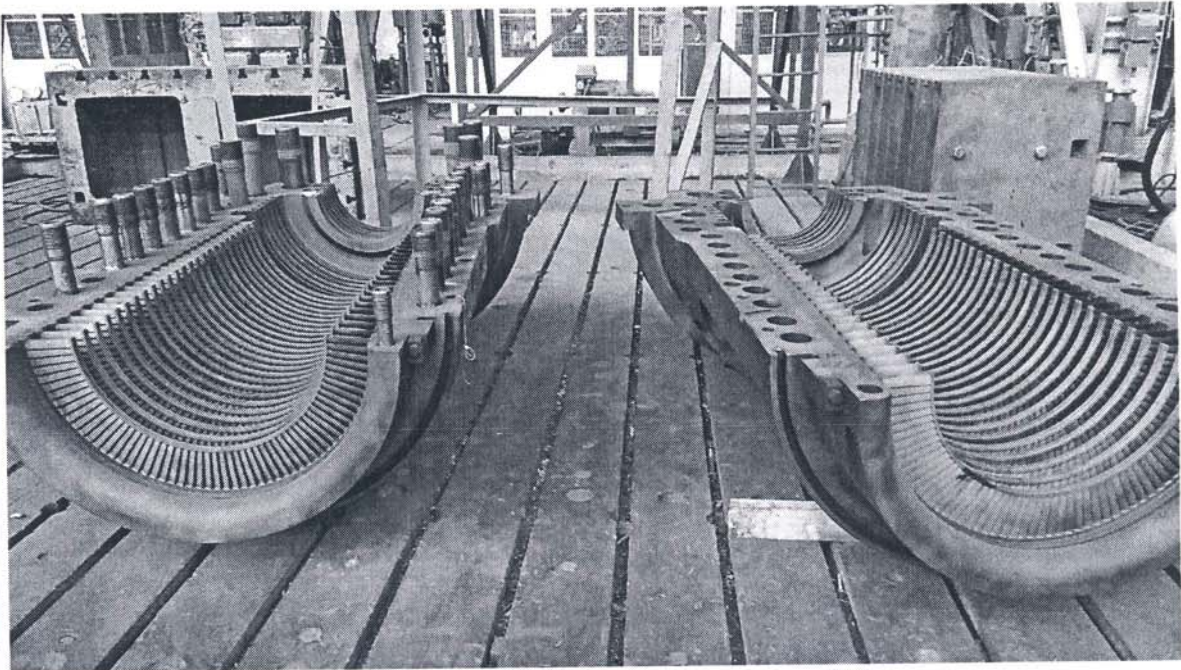
STT0100 पृष्ठ 8 का 4 Page 4 of 8		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)			
SUPERSEDES INVENTORY NO. सामग्री सूची संख्या को प्रतिस्थापित करता है		5.9 OTHER REQUIREMENTS			
		5.9.1 Output Kw, frequency, voltage and Line voltage and current meters for display.		Vendor to confirm	
		5.9.2 'ON' and 'OFF/RESET' pushbuttons used to control the starting and stopping of the power supply.		Vendor to confirm	
		5.9.3 Power control knob to manually select the desired operating power.		Vendor to confirm	
		5.9.4 Indicating lights to aid in the operation, maintenance and fault finding of the equipment.		Vendor to confirm	
		5.9.5 Diagnostic indicator system for visual indication of specific conditions of application/faults & units with the power supply.		Vendor to confirm	
		5.9.6 Protective thermal switches for each return water circuits.		Vendor to confirm	
		5.9.7 Pressure switch to prevent running the power supply without adequate water flow.		Vendor to confirm	
		5.9.8 Regulation and selection of suitable load to match the application for varying sizes of bolts.		Vendor to inform	
		5.9.9 The equipment should be suitable for input power supply of 415 V +/- 10%, 3 phase 3 Wire, 50 Hz +/- 3% and cable connections (length 10 m or more) shall be in the scope of vendor.		Vendor to confirm	
		5.9.10 Total Power requirement		Vendor to specify	
		5.9.11 Terminals suitable for quick replacement of heating inductors.		Vendor to confirm	
		5.9.12 Induction bolt heating equipment and other accessories should be suitable for continuous operation for 8 Hours or more		Vendor to confirm	
		5.9.13 Compliance of applicable safety norms.		Vendor to confirm	
		5.9.14 The equipment should have over temperature protection.		Vendor to confirm	
		5.9.15 There should a provision for lifting and transporting of equipment from one area to other area by overhead crane.		Vendor to confirm	
		5.9.16 Overall space requirement /size of the equipment		Vendor to specify	
		5.9.17 Minimum setting requirements for different types of inductors to be provided. A chart should be provided for the purpose.		Vendor to provide	
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.		स्वत्वधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत भारती लिमिटेड का सम्पत्ति है, इसका प्रयोग अन्य उद्देश्य के लिए बिना भारत भारती लिमिटेड की लिखित अनुमति के नहीं किया जा सकता है।			
REV.NO.- 00 Dt.- 10.07.17		निर्माणकर्ता WORKED BY MANPREET SINGH SURINDER KUMAR		जांचकर्ता CHECKED BY SWAPAN SARKAR	
सामग्री सूची संख्या INVENTORY NO.				Manpreet Singh Swapan Sarkar	

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100	
				पृष्ठ 8 का 5 Page 5 of 8	
सामग्री सूची संख्या INVENTORY	SUPERSEDES INVENTORY	6 MANUALS / DOCUMENTS 6.1 3 sets of documents for operation, maintenance and servicing manuals for equipment & accessories to be provided in English language only 6.2 Manual should contain followings in addition to description (a) Assembly drawings of each unit with marked list of each component with its specification & make (b) Electrical, chilling unit circuit diagram with marked list of each component with its specification & make. (c) Detail catalogue of bought – out items with its specification & make. (d) chart showing recommendation for selection of power/frequency for varying sizes of bolts, capnuts and their elongations. (Refer page 5) (e) Bill of material of all electrical and electronics material used on equipment with qty. used, make and specification/rating. 7 SPARES/ CONSUMABLE ITEMWISE RATES/PRICES OF EACH ITEM TO BE OFFERED 7.1 Vendor to offer spares for 2 years of trouble free operation of the equipment. (Detailed list of offered spares should be provided).			
दिनांक एवं हस्ताक्षर SIGN & DATE	सामग्री सूची संख्या INVENTORY				
स्वत्व अधिकार एवं गोपनीय The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.	सामग्री सूची संख्या INVENTORY				
दिनांक एवं हस्ताक्षर SIGN & DATE	सामग्री सूची संख्या INVENTORY				
दिनांक एवं हस्ताक्षर SIGN & DATE	सामग्री सूची संख्या INVENTORY				
सामग्री सूची संख्या INVENTORY	REV.NO.- 00 Dt.- 10.07.17	निर्माणकर्ता WORKED BY	MANPREET SINGH SURINDER KUMAR	जांचकर्ता CHECKED BY	SWAPAN SARKAR

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100	
				पृष्ठ 8 का 6 Page 6 of 8	
SUPERSEDES INVENTORY भाग्यी सूची संख्या को प्रतिस्थापित करना	7.2 Vendor to offer the following spares if not included in 7.1				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.	Contactors 02 nos. each type Push buttons 02 nos. each type Indication lights 02 nos. each type Pressure switches 02 nos. each type Main switch 02 nos. Selector switch 02 nos. each type Fuses 05 nos. each type MCB 02 nos. each type Heating inductor/coil 01 no. thermal switches 02 nos. each type		Vendor to confirm		
	8 <u>WARRANTEE</u> Vendor shall provide warrantee for all supplied items for a minimum period of Two years for trouble free operation from the date of acceptance at BHEL Haridwar.		Vendor to confirm		
	9 <u>PDI/ ACCEPTANCE</u> Pre-dispatch inspection may be carried out by BHEL representative at vendor's works to ensure specification compliance and functioning of equipment. Vendor may be required to demonstrate the function of equipment by heating a sample piece of equivalent material of length 535mm and diameter 130mm with an internal heating hole of diameter 32mm to elongate it by 0.8 mm. Test sample to be arranged by the vendor.		Vendor to confirm		
	9.2 Equipment acceptance shall be made by BHEL at it's plant after ensuring specification compliance and successful demonstration of functioning of equipment by Heat Tightening of 10 bolts(available at the time of demonstration) of 1 Turbine casing at BHEL Haridwar works & training of working staff. It shall be the responsibility of the vendor to arrange and provide all required items, tool tackles, as required for successful demonstration / testing of equipment. Any shortcoming in the functioning of the equipment due to any reason shall be rectified by the vendor, free of cost.		Vendor to confirm		
स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत भारती लिमिटेड की संपत्ति है इसका प्रयोग एवं आणवक रूप में किसी भी तरह प्रयोग को कि कंपनी के हित में हानिकारक हो न किया जाए।					
दिनांक एवं हस्ताक्षर SIGN & DATE					
भाग्यी सूची संख्या INVENTORY	REV.NO.- 00 Dt.- 10.07.17	निर्माणकर्ता WORKED BY	MANPREET SINGH SURINDER KUMAR		
		जांचकर्ता CHECKED BY	SWAPAN SARKAR		

2

मी एम ई एल 	उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100																																																																							
			पृष्ठ 8 का 7 Page 7 of 8																																																																							
सिगनेचर एवं तारीख SIGN & DATE	SUPERSEDES INVENTORY																																																																									
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the																																																																										
																																																																										
<table border="1"> <thead> <tr> <th>STUD</th> <th>EXPANSION</th> <th>Dia. Of hole D</th> <th>H1</th> <th>H</th> </tr> <tr> <th>Size x pitch x length</th> <th>IN mm</th> <th>IN mm</th> <th>IN mm</th> <th>IN mm</th> </tr> </thead> <tbody> <tr><td>M130 X 8 X 535</td><td>0.8</td><td>32</td><td>573</td><td>497</td></tr> <tr><td>M130 X 8 X 505</td><td>0.7</td><td>32</td><td>543</td><td>467</td></tr> <tr><td>M120 X 6 X 550</td><td>0.9</td><td>25</td><td>590</td><td>523</td></tr> <tr><td>M110 X 6 X 540</td><td>0.61</td><td>25</td><td>576</td><td>513</td></tr> <tr><td>M110 X 6 X 435</td><td>0.46</td><td>25</td><td>471</td><td>408</td></tr> <tr><td>M110 X 6 X 415</td><td>0.6</td><td>25</td><td>451</td><td>388</td></tr> <tr><td>M100 X 6 X 415</td><td>0.44</td><td>25</td><td>449</td><td>391</td></tr> <tr><td>M100 X 6 X 510</td><td>0.85</td><td>25</td><td>544</td><td>486</td></tr> <tr><td>M90 X 6 X 375</td><td>0.55</td><td>25</td><td>409</td><td>355</td></tr> <tr><td>M80 X 6 X 330</td><td>0.34</td><td>25</td><td>360</td><td>311</td></tr> <tr><td>M80 X 6 X 475</td><td>0.8</td><td>25</td><td>505</td><td>456</td></tr> <tr><td>M64 X 250</td><td>0.25</td><td>20</td><td>271</td><td>229</td></tr> </tbody> </table>					STUD	EXPANSION	Dia. Of hole D	H1	H	Size x pitch x length	IN mm	IN mm	IN mm	IN mm	M130 X 8 X 535	0.8	32	573	497	M130 X 8 X 505	0.7	32	543	467	M120 X 6 X 550	0.9	25	590	523	M110 X 6 X 540	0.61	25	576	513	M110 X 6 X 435	0.46	25	471	408	M110 X 6 X 415	0.6	25	451	388	M100 X 6 X 415	0.44	25	449	391	M100 X 6 X 510	0.85	25	544	486	M90 X 6 X 375	0.55	25	409	355	M80 X 6 X 330	0.34	25	360	311	M80 X 6 X 475	0.8	25	505	456	M64 X 250	0.25	20	271	229
STUD	EXPANSION	Dia. Of hole D	H1	H																																																																						
Size x pitch x length	IN mm	IN mm	IN mm	IN mm																																																																						
M130 X 8 X 535	0.8	32	573	497																																																																						
M130 X 8 X 505	0.7	32	543	467																																																																						
M120 X 6 X 550	0.9	25	590	523																																																																						
M110 X 6 X 540	0.61	25	576	513																																																																						
M110 X 6 X 435	0.46	25	471	408																																																																						
M110 X 6 X 415	0.6	25	451	388																																																																						
M100 X 6 X 415	0.44	25	449	391																																																																						
M100 X 6 X 510	0.85	25	544	486																																																																						
M90 X 6 X 375	0.55	25	409	355																																																																						
M80 X 6 X 330	0.34	25	360	311																																																																						
M80 X 6 X 475	0.8	25	505	456																																																																						
M64 X 250	0.25	20	271	229																																																																						
स्वत्वधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स लिमिटेड की संपत्ति है। इसका प्रयोग एवं प्रकाशन केवल से किमती की तरह प्रयोग और किमती के लिए से प्रतिस्पर्धा नहीं किया जाये।	निमाणिकर्ता WORKED BY MANPREET SINGH SURINDER KUMAR																																																																									
सिगनेचर एवं तारीख SIGN & DATE	जांचकर्ता CHECKED BY SWAPAN SARKAR																																																																									
मासुमी सूची मासुमा INVENTORY	REV.NO.-00 Dt- 10.07.17	Manpreet Singh Swapan Sarkar																																																																								

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश (हीप : हरिद्वार) PRODUCT PURCHASE SPECIFICATION (TURBINE TECHNOLOGY) (HEEP: HARIDWAR)		STT0100 पृष्ठ 8 का 8 Page 8 of 8	
मासिक सूची संख्या INVENTORY	SUPERSEDES INVENTORY				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.					
स्वत्वा विचार एवं गोपनीय इस दस्तावेज में की गई सूचना भारत भारती मशीनफैब्रिकेशन लिमिटेड की संपत्ति है। इसका प्रयोग केवल और केवल भारत भारती मशीनफैब्रिकेशन लिमिटेड के ही उपयोग के लिए किया जा सकता है।	दिनांक एवं हस्ताक्षर SIGN & DATE				
मासिक सूची संख्या INVENTORY	REV.NO.- 00 Dt.- 10.07.17		निर्माणकर्ता WORKED BY जांचकर्ता CHECKED BY	MANPREET SINGH SURINDER KUMAR SWAPAN SARKAR	

ANNEXURE - 4

NON-DISCLOSURE AND PROPRIETARY INFORMATION AGREEMENT

BETWEEN

_____(Name of the Vendor),, having its registered offices in
_____(Address of Vendor), registered under the no.
of the Companies' register of _____(Name of Place and Country),
capital stock of _____(Value), with a place of business in
_____(Name of Place and Country) (hereinafter referred to as
"_____(Name of Vendor)");

AND

Bharat Heavy Electricals Ltd a company incorporated under the Indian Companies Act 1956 having its registered offices at BHEL House, Siri Fort, New Delhi -110 049 and having one of its works at Heavy Electrical Equipment Plant, Ranipur, Haridwar-249403 (Uttarakhand), India registered under the No. 4281 of 1964-65 of the companies register of Delhi, capital stock of Rs 4895.2 million with a place of registered office in New Delhi (hereinafter referred to as “BHEL”) hereinafter also referred to individually as “the Party” or collectively as “the Parties”.

BACKGROUND

This Agreement sets forth the rights and obligations of the Parties with respect to the use, handling, protection and safeguarding of Proprietary Information that is disclosed by and between the Parties.

WHEREAS

A) the Parties wish to pursue exploratory discussions concerning a possible collaboration between them in relation to the Program defined in Exhibit 1;

B) during the ensuing discussions and negotiations it may occur that either Party discloses to the other technical, financial or business information of a proprietary or confidential nature, which the Parties intend to protect against, making it available, by any means to any third person, and other unauthorized use and/or further disclosure by the recipient, in accordance with the terms and conditions set forth herein;

NOW, THEREFORE, the Parties have agreed as follows:

1. The term “Proprietary Information” shall mean any information or data of whatsoever kind of a confidential or proprietary nature, including but not limited to, commercial information, know how and technical information in the form of designs, drawings, concepts, requirements, specifications, software, interfaces, components, processes, or the like, that have been or will be disclosed by either Party to the other pursuant to this Agreement, either in writing, orally or other form, which is designated as “Proprietary” or “Confidential” by the disclosing Party by means of formal declaration or an appropriate stamp, legend or any other written or orally notice .
2. Proprietary Information may be conveyed, without limitation, through any written or printed documents, samples, models, electronic form on disk, tape, other storage media or any other means of disclosing such Proprietary Information that either Party may elect to use during the life of this Agreement, but if an originating Party originally discloses information orally or visually, the receiving Party will protect such information as Proprietary Information to the extent that the originating Party :
 - identifies the Information as Proprietary at the time of original disclosure,
 - summarizes the Proprietary Information in writing .

Information stored in electronic form on disk, tape, other storage media will be adequately marked if a proprietary legend displays when the information originally runs on a computer system and when the information is printed from its data file.

Proprietary Information also includes any information which can be obtained by examination, testing or analysis of any hardware or material substance or any component part of such hardware or material substance provided by the Disclosing Party even though the requirements in Clause 1 for marking and designation have not been fulfilled.

3. Each Party, to the extent of its rights to do so, shall disclose to the other only the Proprietary Information which the disclosing Party deems appropriate to fulfil the objectives of this Agreement. The Parties hereby represent that the disclosure of Proprietary Information by and between themselves shall be made in compliance with, and subject to the laws and regulations of the Disclosing Party's country.
4. The receiving Party hereby agrees and covenants that, from the effective date of this Agreement until the expiry date as per article 11 and the following period as per article 12, the Proprietary Information that either Party receives from the other shall:
 - a) be protected and kept in strict confidence by the receiving Party which must use the same degree of care it uses to protect its own confidential information and in no case less than a reasonable care;
 - b) be only disclosed to and used by those persons within the receiving Party's organization or that of its parent or controlled companies who have a need to know and solely for the purposes specified in this Agreement, and be treated by such persons or entities with the same degree of care and subject to the same restrictions;
 - c) to procure that each third party to whom Proprietary Information is disclosed under this Agreement is made aware of the provisions of this Agreement prior to such disclosure to it and that each such third party is

bound by obligations of confidentiality which are no less onerous than those contained in this Agreement;

- d) neither be disclosed nor caused to be disclosed or made available, either directly or indirectly, to any third Party or persons other than those mentioned in subparagraph b) above or other persons upon which both of the contractual Parties shall agree in an amendment to this Agreement;
- e) not to copy, reproduce or reduce to writing any part of such Proprietary Information except as may be reasonably necessary for the purpose referred to in the Recitals of this Agreement

PROVIDED THAT the Receiving Party shall be entitled to make any disclosure required by court order or government or regulatory requirement of the Disclosing Party's Proprietary Information subject to notifying the Disclosing Party as soon as possible of such requirement

- 5. Any Proprietary Information and copies thereof disclosed by either Party to the other shall remain the property of the disclosing Party and shall be immediately returned or destroyed by the receiving Party upon request.
- 6. The receiving Party shall have no obligations or restrictions with respect to any Proprietary Information for which the receiving Party can prove that:
 - a) is in or which comes into the public domain otherwise than as a result of a breach of this Agreement by any person to whom a disclosure of Proprietary Information is made as permitted under this Agreement or of any other duty of confidentiality relating to the Proprietary Information of which the Receiving Party has knowledge; or
 - b) it has been in its possession without restriction at the time of the disclosure, as evidenced by written documentation in its files; or
 - c) it has been lawfully received from a third Party without breach of this Agreement; or

- d) it has been or is published without violation of this Agreement; or
 - e) it has been independently developed in good faith by employees of the receiving Party who did not have access to the Proprietary Information; or
 - f) it has not been properly declared, designated or confirmed as Proprietary or Confidential; or
 - g) the protection period has expired according to articles 11 and 12 of this Agreement.
7. With respect to any exchange of Proprietary Information which may occur as a result of this Agreement, it is expressly understood and agreed that the persons listed in Exhibit 2 shall, on behalf of the respective Parties, be the exclusive individuals authorized to receive from and transmit to the other Party Proprietary Information under this Agreement. Each Party may replace at any time its respective authorized individuals identified in such Exhibit 2, within its own organization. Any such new designation by a Party shall be made by written notice to the other at the address indicated in such Exhibit 2.
8. Any Proprietary Information which is identified as “Classified Information”, or whose export is subject to an export license, shall be identified as such by the disclosing Party at the time of disclosure and the disclosure, protection, use and handling thereof, shall remain subject to the security procedures and restrictions imposed by the disclosing Party's Government.
9. The disclosure of Proprietary Information under this Agreement by either Party to the other shall not be construed as granting to the receiving Party any right, whether express or implied by licence or otherwise, on the matters, inventions or discoveries to which such information pertains, or as granting any trademark, patents, copyrights, trade secret right or other form of intellectual property right.

10. Nothing in this Agreement may be construed as an obligation of either Party to disclose any Proprietary Information to the other, or to enter into any subsequent contractual relationship with such other Party.
11. This Agreement covers the exchange of Proprietary Information which may be made by either Party to the other until ten years from signing of the agreement or any extension thereto which may be agreed upon by the Parties in writing. Proprietary information relevant to the Program detailed in Exhibit 1, already made available to the other contractual Party before the effective date, shall also be protected under this Agreement.

It is understood by the parties that, prior to disclosure, the Disclosing Party shall have obtained any government authorisation needed for the export of the Proprietary Information

12. The expiry of the period contemplated in Article 11 of this Agreement shall not relieve the receiving Party from complying with the obligations imposed by Article 4 here above with respect to the use and protection of the Proprietary Information, received prior the date of such expiry, for a period of ten (10) years after such expiry.
13. The Parties are independent contractors. Each will bear all costs and expenses in connection with this Agreement. This Agreement is intended to facilitate only the exchange of Proprietary Information and is not intended to be, and shall not be construed to create a teaming agreement, joint venture, association, partnership, or other business organisation or agency arrangement and no Party shall have the authority to bind the other without the other Party's separate prior written agreement .
14. This Agreement shall be governed by and shall be interpreted in accordance with the substantive federal laws of Switzerland excluding it's choice of law rules.

Irrespective of the foregoing each Party shall remain bound by the provisions of its own national laws and regulations with respect to the transfer or use of Classified Information or information whose export is subject to an export license.

15. All disputes among the Parties, in connection with or arising out of the existence, validity, construction, performance and termination of this Agreement (or any terms thereof), which the Parties are unable to resolve among themselves, shall be finally settled by an Arbitration. The Arbitration shall be held in Geneva (CH) in English language, in accordance with the rules of the ICC – International Chamber of Commerce by three arbitrators appointed in accordance with said rules.
16. The foregoing constitutes the entire Agreement among the Parties with respect to the subject matter hereof and supersedes and cancels all prior representations, negotiations, commitments, undertakings, communications, either oral or written, acceptances, understandings and agreements among the Parties with respect to or in connection with any of the matters to which such Agreement applies or refers.
17. Notices to _____ (**Name of Vendor**) shall be made at the following address:

(Complete Address of Vendor)

Attention: Mr. _____ (**Name of the Authorised Person of Vendor**)

Notices to BHEL shall be made at the following address:

BHARAT HEAVY ELECTRICALS LIMITED,

HEAVY ELECTRICAL EQUIPMENT PLANT,

Ranipur, Haridwar-249403 (Uttarakhand), India

Attention: Shri B.M.Bansal, General Manager- Materials Management

18. The effective date of this Agreement shall be the date of the last signature appearing herein.

IN WITNESS WHEREOF, each of the Parties has caused this Agreement, to be executed by its duly authorized officer.

Date :

Signed for and on behalf of

Signed for and on behalf of

(Name of Vendor)

BHEL

By:

By:

Title:

Title:

Signature:

Signature:

EXHIBIT 1

to the

NON-DISCLOSURE AGREEMENT

between

_____ **(Name of Vendor)**

and

BHARAT HEAVY ELECTRICALS LIMITED

dated:

The Non Disclosure Agreement covers the exchange of Proprietary Information which may occur during the discussions and negotiations in view of a possible cooperation between the Parties in the following programs:

-Description of Material or Services for which the order is placed

_____ **(Name of Vendor)** list of products that require an exchange of Proprietary Information which may be occur during the discussions and negotiations in view of a possible cooperation for the above programs :