



BHARAT HEAVY ELECTRICALS LIMITED

HEEP HARIDWAR INDIA-PIN 249403

FAX NO: 0091 1334 226462, PHONE NO: 0091 1334 281561

Enq. No. : T/6410/2016/4237G/1

M/s.....

Sub: BHEL-HEEP/OPEN-TENDER (T) / 2016

Dear Sir,

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 :-

TENDER NO. : T/6410/2016/4237G/1 TENDER OPENING DATE : 27.02.2017 (27th February 2017)			
ITEM CODE	ITEM DESCRIPTION	QTY (No)	DELIVERY SCHEDULE
HW7799923920	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001, Size: M24X36	20	30.03.2017
HW7799923938	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001, Size: M24X48	20	
HW7799923946	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M20X40	25	
HW7799923954	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M27X54	20	
HW7799923962	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M12X24	14	
HW7799923970	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M16X24	20	
HW7799923989	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M16X32	30	
HW7799924004	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT11001 Size: M30X45	25	
HW7799924012	Threaded Insert (Helicoil), Material: X5CrNi 1810 Spec: GT1101 Size: M30X60	15	
HW7799924020	Threaded Insert (Helicoil) Material: X5CrNi 1810 Spec: GT1101 Size: M42X63	15	
HW7799924055	Threaded Insert (Helicoil) Material: X5CrNi 1810 Spec: GT11001 Size: M36X54	30	
HW7799923997	Threaded Insert (Helicoil) Material: X5CrNi 1810 Spec: GT11001 Size: M16X40	15	
HW7799924047	Threaded Insert (Helicoil) Material: X5CrNi 1810 Spec: GT11001 Size: M36X72	20	
HW7799924039	Threaded Insert (Helicoil) Material: X5CrNi 1810 Spec: GT11001 Size: M20X30	20	

SPECIAL INSTRUCTIONS:

1. Party to furnish Material Test Certificate.
2. Party to send the product catalogue with their offers.
3. Technical specification GT11001 is enclosed for reference.
4. Early delivery is also acceptable.
5. Vendor should quote best possible delivery in offer. Delivery is not sacrosanct.
6. The total quantity may undergo change at the time of ordering.
7. In case of ordering against the tender, vendor should submit their invoices against goods and services immediately after supply of goods & services but NOT LATER THAN 30 DAYS FROM THE INVOICE DATE. IN CASE OF DELAY, CONSEQUENTIAL LOSSES LIKE LOSS OF INPUT CREDIT AND NON-AVAILABILITY OF CONCESSIONAL FORMS ETC. SHALL BE TO THE VENDOR ACCOUNT.

The tender documents can be downloaded from the web sites www.bhel.com or www.bhelhwr.co.in or www.tenders.gov.in.

It may be noted that if hard copy of any tender document is required, then the same may be collected against copy of Tender Fee of Rs. 2,000/- (Rupees two thousand only) in the form of Pay Order / Demand Draft (drawn in favour of 'BHEL HARIDWAR'). However, original Pay Order / Demand Draft is to be submitted with Part-I. **However, if no hard copy of any tender document is required from BHEL and tender documents are directly taken from website(s), no Tender Fee is required to be submitted. EMD Shall be NIL in this case.**

As per notification reference no. NSIC/HO/GP/15(4)/2013-14 dated 07.07.2013 Micro & Small Enterprises (MSEs) are not required to submit Tender fees. A certificate issued from competent authority shall be submitted in support of Micro & Small Enterprises (MSEs).

Tenders will be received in Tender Box kept in Tender Room and should be addressed to:

**THE HEAD OF MATERIAL MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

The date for opening of tender shall be 27.02.2017. Tenders will be received up to 1.45 P.M. on 27.02.2017 and opened on the same day at 2.00 P.M. in the Tender Room. **Please note that tender received after due date & time (1.45PM on 27.02.2017) will not be REPEAT will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Bids shall be opened at 2 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.

Amendments/Corrigendum, if any, will be hosted only on the websites mentioned above. Other terms and conditions will be as per tender documents.

Unregistered vendors (vendors not registered with BHEL Haridwar) may please visit our website www.bhel.com for filling up the Supplier Registration Form (SRF) which is to be submitted with part-1 of the offer.

BHEL will not be responsible for any type of postal delay / incomplete information from vendor.

Please submit your offer only for the above requirement subject to our **GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC)**. Please visit our site www.bhelhwr.co.in for General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries. **All the bidders/vendors must ensure compliance of these GISTC.** GISTC can also be referred by login to B2B Portal for Registered Vendors.

IN CASE YOU ARE NOT MAKING AN OFFER AGAINST THIS ENQUIRY, THEN PLEASE ARRANGE TO SEND A LETTER OF REGRET.

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

1.0 DEFINITION

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

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

2.0 TECHNICAL QUALIFICATION

Enclosed format – **Annexure-2 (Pre-Qualifying Conditions)** to be submitted. **It is the mandatory requirement. Offer of Vendors not meeting these requirements may not be considered.**

3.0 ESSENTIAL INSTRUCTIONS

1. 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).
2. BHEL team may visit the vendor(s) works for verification of capability and capacity claimed in tender documents/offer(s).
3. **The tenders shall be submitted in two parts** in separate envelopes as described below on or before the due date. Supplier Registration Form shall be submitted by unregistered vendors only.

i. Part I - Envelope I

A. Tender Fee (if applicable) enclosed in sub-envelope (a)

Or

Valid certificate/Document towards exemption of Tender fee (applicable for Micro and small Enterprises)

B. Pre-Qualifying Conditions (PQRs) – Annexure-2 enclosed in sub-envelope (b)

C. Supplier Registration Form (Applicable for those vendors who are not registered with BHEL, Haridwar) – **enclosed in sub-envelope (c)**

D. NDA (Non-Disclosure and Proprietary Information Agreement) – Annex. 4 enclosed in sub-envelope (d)

E. Techno -Commercial Bid (Technical + commercial details) – It should be the copy of Price Bid without the price part- enclosed in sub-envelope (e)

ii. Part II - Envelope II - Price Bid

Note: All the individual envelopes should indicate Tender no. and date of opening of Part-I. All two envelopes [Envelope I (containing sub-envelopes a, b, c, d & e) & Envelope II to be put in a single covering envelope indicating tender no., due date and the name of vendor (with address, e-mail id & contact details). Offer should be complete in all respect (i.e. Part-I & Part- II).

4. Part-I will be opened on the date and time specified in the tender notice in the presence of those vendors who wish to attend.
5. Part – II (Price Bids) along with supplementary price bids, if necessary, will be opened at a later date of only those bidders whose techno-commercial bid will be found acceptable & PQR qualified.
6. Currency exchange rate will be applicable on the date of opening of Part-I for evaluation purpose.
7. Depending upon the delivery suitability, BHEL reserves the right to split order on more than one vendor.
8. Foreign and Indigenous bidders against open tender will necessarily have to obtain class – III DSCs. Procedure for application available on www.bhel.com.
9. **Please submit your offer only for the above requirement subject to our GENERAL INSTRUCTIONS AND STANDARD TERMS & CONDITIONS (GISTC). Please visit our site www.bhelhwr.co.in for General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries. All the bidders/vendors must ensure compliance of these GISTC. GISTC can also be referred by login to B2B Portal for Registered 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 GT11001

Annexure-4: NDA (10 Pages)

ANNEXURE - 2**PRE-QUALIFYING CONDITIONS (PQRs)**

Sl.No.	PRE QUALIFYING CONDITIONS	REQUIRED	Vendor Remarks
01	Offer of only those OEM (Original Equipment manufacturer) will be considered who have manufactured and supplied any threaded insert in past	Vendor to confirm	
02	Vendor should inform year of supply, name, address and contact number of customers with copy of Purchase order	Vendor to submit	
03	In case OEM insist for participation through their authorized agent, they should submit valid ,duly signed authorization certificate on company's letter head	Vendor to submit	
04	BHEL reserves the right to verify information provided by vendor. In case information provided by the vendor is found to be false/incorrect their offer shall be rejected	Vendor to agree	

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





PRODUCT STANDARD GAS TURBINE ENGINEERING

GT 11001

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THREADED INSERT

This standard covers Threaded Inserts (Helicoll) or equivalent manufactured by M/S Böllhoff & Co., Germany. These inserts are precision formed coils of stainless steel wire, with a diamond shaped cross section, having a radially bent tang, which is used for installation.

1. Description: A Threaded Insert of nominal diameter M16 and length 16mm, and size code 001 shall be designated as:

- 1.1 On drawing : 1) Drawing column: GT 11001.002 .
2) Description column: Threaded Insert M16 x 16 .

- 1.2 For placing indents on purchase: Threaded Insert M16 x 16 - GT11001.001 .

2. Material : As specified in table II.

3. Dimensions & General requirements: Threaded Inserts or equivalent are proprietary items of M/S Böllhoff & Co. and dimensions shall confirm to their standard sizes.

4. For making holes on components where these Threaded Inserts are to be used the dimensions given in Table I are to be used (refer fig.1).

5. For new sizes change advises are to be done in table II and should be used for taking code numbers in increasing order.

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SIGN & DATE

INVENTORY NO

AGREED.

TSX

PS.SAXENA

QAX

M M. GUPRA

DEPTT

NAME

SIGN & DATE

DRAWN

NAME

SIGN & DATE

WORKED

SAHOTA K

CHECKED

SAHOTA K

SUPERVISED

WARIER S

Approved

DY G. MANAGER

Prepared

GTE ()
HARDWAR

Date

25.2.92

CHECKED BY

ARUN

APPROVED BY

R GULATI

REV. No.

02

DATE

28.3.2014

GT

3.23

P-5864

16/2/92



PRODUCT STANDARD

GAS TURBINE ENGINEERING

GT 11001-

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6. SUPPLIER WILL FURNISH COMPLIANCE CERTIFICATE FOR MATERIAL AND DIMENSIONS.

D_{HC} = Outer diameter of holding thread

d = Nominal diameter of thread

P = Thread pitch

d_1 = Outer diameter of thread insert prior to assembly

W = Interturn number prior to assembly

D_{1HC} = Core diameter of thread

B = Recommended spiral drill diameter

l_2 = Length of threaded insert in assembled condition

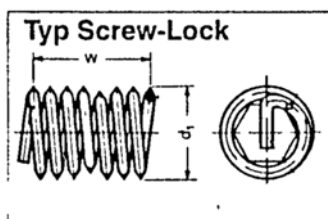
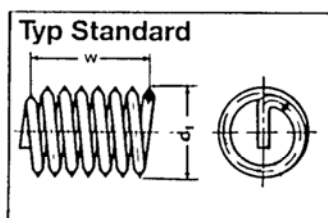
t_1 = Minimum depth of drilled hole

t_2 = Length of threaded insert and minimum length of thread

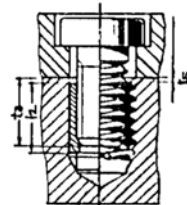
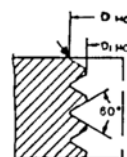
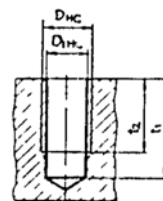
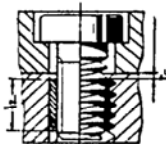
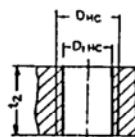
t_3 = Maximum screw in length of bolt for safe operation of threaded insert

t_5 = Distance of threaded insert from the parting plane = $0.5 P$

For making countersunk hole (if required) :- Maximum countersinking diameter $\leq$ thread outer diameter D_{HC} .



FOR THRU HOLES



FOR BLIND HOLES

FIG.-1

7 CROSS REFERED STANDARDS - NIL

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SUPERSEDES
INVENTORY No

SIGN & DATE

INVENTORY No.

16.3.92

P-5864



PRODUCT STANDARD

GAS TURBINE ENGINEERING

GT 11001

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TABLE I

d	P	l ₂ min*		W	l ₂		d ₁		D _{1HC} max min	B	l ₁ max	D _{HC} min	Typ Standard	Typ Screw-Lock
		x d	mm		max	min	max							
M 2	0,40	1 d	2,0	29	18						18		0130 0020 002	
		1,5 d	3,0	49	28					28		0130 0020 003		
		2 d	4,0	69	38	2,6	2,8	2 18	2 1	38	2,52	0130 0020 004		
		2,5 d	5,0	89	48			2 09		48		0130 0020 005		
		3 d	6,0	10,9	58					58		0130 0020 006		
M 2,5	0,45	1 d	2,5	35	23						23		0130 0250 025	0132 0250 025
		1,5 d	3,75	59	35					35		0130 0250 375	0132 0250 375	
		2 d	5,0	81	48	3,3	3,5	2 70	2 6	48	3,08	0130 0250 005	0132 0250 005	
		2,5 d	6,25	105	60			2 60		60		0130 0250 625	0132 0250 625	
		3 d	7,5	129	73					73		0130 0250 075	0132 0250 075	
M 3	0,5	1 d	3,0	39	27						27		0130 0030 003	0132 0030 003
		1,5 d	4,5	63	42					42		0130 0030 045	0132 0030 045	
		2 d	6,0	87	57	3,8	4,0	3 22	3 2	57	3,65	0130 0030 006	0132 0030 006	
		2,5 d	7,5	111	72			3 11		72		0130 0030 075	0132 0030 075	
		3 d	9,0	135	87					87		0130 0030 009	0132 0030 009	
M 3,5	0,6	1 d	3,5	37	32						32		0130 0350 035	0132 0350 035
		1,5 d	5,25	63	50					50		0130 0350 525	0132 0350 525	
		2 d	7,0	87	67	4,55	4,75	3 76	3,7	67	4 28	0130 0350 007	0132 0350 007	
		2,5 d	8,75	112	85			3 63		85		0130 0350 875	0132 0350 875	
		3 d	10,5	133	102					102		0130 0350 105	0132 0350 105	
M 4	0,7	1 d	4,0	37	36						36		0130 0040 004	0132 0040 004
		1,5 d	6,0	61	56					56		0130 0040 006	0132 0040 006	
		2 d	8,0	84	76	5 15	5,35	4 29	4,2	76	4,91	0130 0040 008	0132 0040 008	
		2,5 d	10,0	109	96			4 15		96		0130 0040 010	0132 0040 010	
		3 d	12,0	132	116					116		0130 0040 012	0132 0040 012	
M 5	0,8	1 d	5,0	43	46						46		0130 0050 005	0132 0050 005
		1,5 d	7,5	69	71					71		0130 0050 075	0132 0050 075	
		2 d	10,0	97	96	6 35	6,6	5 33	5,2	96	6,04	0130 0050 010	0132 0050 010	
		2,5 d	12,5	123	121			5,17		121		0130 0050 125	0132 0050 125	
		3 d	15,0	148	146					146		0130 0050 015	0132 0050 015	
M 6	1,0	1 d	6,0	42	55						55		0130 0060 006	0132 0060 006
		1,5 d	9,0	69	85					85		0130 0060 009	0132 0060 009	
		2 d	12,0	96	115	7,6	7,85	6 41	6 3	115	7 30	0130 0060 012	0132 0060 012	
		2,5 d	15,0	123	145			6 22		145		0130 0060 015	0132 0060 015	
		3 d	18,0	146	175					175		0130 0060 018	0132 0060 018	
M 7	1,0	1 d	7,0	53	65						65		0130 0070 007	0132 0070 007
		1,5 d	10,5	82	100					100		0130 0070 105	0132 0070 105	
		2 d	14,0	111	135	8,65	8,9	7 41	7,3	135	8,30	0130 0070 014	0132 0070 014	
		2,5 d	17,5	143	170			7,22		170		0130 0070 175	0132 0070 175	
		3 d	21,0	174	205					205		0130 0070 021	0132 0070 021	
M 8	1,25	1 d	8,0	47	74						74		0130 0080 008	0132 0080 008
		1,5 d	12,0	74	114					114		0130 0080 012	0132 0080 012	
		2 d	16,0	106	154	9,85	10,1	8 48	8,4	154	9,62	0130 0080 016	0132 0080 016	
		2,5 d	20,0	135	194			8 27		194		0130 0080 020	0132 0080 020	
		3 d	24,0	164	234					234		0130 0080 024	0132 0080 024	
M 8x1	1,0	1 d	9,0	61	75						75		0130 0083 008	0132 0083 008
		1,5 d	12,0	95	115					115		0130 0083 012	0132 0083 012	
		2 d	16,0	129	155	9 85	10,1	8 41	8 3	155	9 30	0130 0083 016	0132 0083 016	
		2,5 d	20,0	165	195			8,22		195		0130 0083 020	0132 0083 020	
		3 d	24,0	199	235					235		0130 0083 024	0132 0083 024	
M 9	1,25	1 d	9,0	53	84						84		0130 0090 009	
		1,5 d	13,5	86	129					129		0130 0090 135		
		2 d	18,0	119	174	10,85	11 1	9 48	9,4	174	10 62	0130 0090 018		
		2,5 d	22,5	153	219			9,27		219		0130 0090 225		
		3 d	27,0	181	264					264		0130 0090 027		

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CHECKED

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24/2/92

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INVENTORY No.

P. 5064



PRODUCT STANDARD

GAS TURBINE ENGINEERING

GT 41001

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TABLE I (CONTD)

d	P	t ₂ min*		W	l ₂ max	d ₁		D _{1HC} max min	B	t ₃ max	D _{HC} min	Typ Standard	Typ Screw-Lock
		v d	mm			min	max						
M 10	1.5	1 d	100	5.0	9.2					9.2		0130 0100 010	0132 0100 010
		1.5 d	150	8.1	14.2					14.2		0130 0100 015	0132 0100 015
		2 d	200	11.2	19.2	12.1	12.5	10.56	10.50	19.2	11.95	0130 0100 020	0132 0100 020
		2.5 d	250	14.2	24.2			10.32		24.2		0130 0100 025	0132 0100 025
		3 d	300	17.2	29.2					29.2		0130 0100 030	0132 0100 030
M 10x1	1.0	1 d	100	7.6	9.5					9.5		0130 0103 010	0132 0103 010
		1.5 d	150	12.1	14.5					14.5		0130 0103 015	0132 0103 015
		2 d	200	16.3	19.5	12.1	12.5	10.41	10.25	19.5	11.30	0130 0103 020	0132 0103 020
		2.5 d	250	20.7	24.5			10.22		24.5		0130 0103 025	0132 0103 025
		3 d	300	25.0	29.5					29.5		0130 0103 030	0132 0103 030
M 10x1.25	1.25	1 d	100	6.0	9.4					9.4		0130 0109 010	0132 0109 010
		1.5 d	150	9.7	14.4					14.4		0130 0109 015	0132 0109 015
		2 d	200	13.1	19.4	12.1	12.5	10.48	10.40	19.4	11.62	0130 0109 020	0132 0109 020
		2.5 d	250	16.9	24.4			10.27		24.4		0130 0109 025	0132 0109 025
		3 d	300	20.1	29.4					29.4		0130 0109 030	0132 0109 030
M 11	1.5	1 d	110	5.6	10.2					10.2		0130 0110 011	
		1.5 d	165	9.0	15.7					15.7		0130 0110 165	
		2 d	220	12.3	21.2	13.1	13.5	11.56	11.50	21.2	12.95	0130 0110 022	
		2.5 d	275	15.7	26.7			11.33		26.7		0130 0110 275	
		3 d	330	18.9	32.2					32.2		0130 0110 033	
M 12	1.75	1 d	120	5.2	11.1					11.1		0130 0120 012	0132 0120 012
		1.5 d	180	8.4	17.1					17.1		0130 0120 018	0132 0120 018
		2 d	240	11.7	23.1	14.4	14.8	12.64	12.50	23.1	14.27	0130 0120 024	0132 0120 024
		2.5 d	300	14.7	29.1			12.38		29.1		0130 0120 030	0132 0120 030
		3 d	360	18.0	35.1					35.1		0130 0120 036	0132 0120 036
M 12x1	1.0	1 d	120	9.3	11.5					11.5		0130 0123 012	
		1.5 d	180	14.5	17.5					17.5		0130 0123 018	
		2 d	240	19.5	23.5	14.4	14.8	12.41	12.25	23.5	13.30	0130 0123 024	
		2.5 d	300	24.8	29.5			12.22		29.5		0130 0123 030	
		3 d	360	30.0	35.5					35.5		0130 0123 036	
M 12x1.25	1.25	1 d	120	7.4	11.4					11.4		0130 0129 012	0132 0129 012
		1.5 d	180	11.6	17.4					17.4		0130 0129 018	0132 0129 018
		2 d	240	15.9	23.4	14.4	14.8	12.48	12.25	23.4	13.62	0130 0129 024	0132 0129 024
		2.5 d	300	20.0	29.4			12.27		29.4		0130 0129 030	0132 0129 030
		3 d	360	24.3	35.4					35.4		0130 0129 036	0132 0129 036
M 12x1.5	1.5	1 d	120	6.2	11.2					11.2		0130 0124 012	0132 0124 012
		1.5 d	180	9.8	17.2					17.2		0130 0124 018	0132 0124 018
		2 d	240	13.5	23.2	14.4	14.8	12.56	12.50	23.2	13.95	0130 0124 024	0132 0124 024
		2.5 d	300	15.7	29.2			12.32		29.2		0130 0124 030	0132 0124 030
		3 d	360	20.8	35.2					35.2		0130 0124 036	0132 0124 036
M 14	2.0	1 d	140	5.2	13.0					13.0		0130 0140 014	0132 0140 014
		1.5 d	210	8.3	20.0					20.0		0130 0140 021	0132 0140 021
		2 d	280	11.5	27.0	17.2	17.7	14.73	14.50	27.0	16.60	0130 0140 028	0132 0140 028
		2.5 d	350	14.6	34.0			14.43		34.0		0130 0140 035	0132 0140 035
M 14x1	1.0	1 d	140	10.3	13.5					13.5		0130 0143 014	
		1.5 d	210	16.4	20.5					20.5		0130 0143 021	
		2 d	280	22.3	27.5	17.2	17.7	14.41	14.25	27.5	15.30	0130 0143 028	
		2.5 d	350	28.1	34.5			14.22		34.5		0130 0143 035	

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16.3.92

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PRODUCT STANDARD

GAS TURBINE ENGINEERING

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TABLE I (CONTD)

d	P	t ₂ min*		W	l ₂ max	d ₁		D _{IHC} max min	B	t ₃ max	D _{IHC} min	Typ Standard	Typ Screw-Lock
		d	mm			min	max						
M 14 x 1 25	1 25		8.4 12.4 14.4 16.4	4.6 7.4 9.1 10.2	7.8 11.8 13.8 15.8	17.2	17.7	14.48 14.27	14.25	7.8 11.8 13.8 15.8	15.62	0130 0149 084 0130 0149 124 0130 0149 144 0130 0149 164	
M 14 x 1.5	1.5	1 d 1.5 d 2 d 2.5 d	14.0 21.0 28.0 35.0	7.1 11.2 15.3 19.0	13.2 20.2 27.2 34.2	17.2	17.7	14.56 14.38	14.50	13.2 20.2 27.2 34.2	15.95	0130 0144 014 0130 0144 021 0130 0144 028 0130 0144 035	0132 0144 014 0132 0144 021 0132 0144 028 0132 0144 035
M 16	2.0	1 d 1.5 d 2 d 2.5 d	16.0 24.0 32.0 40.0	6.1 9.7 13.3 16.8	15.0 23.0 31.0 39.0	19.4	19.9	16.73 16.43	16.50	15.0 23.0 31.0 39.0	18.60	0130 0160 016 0130 0160 024 0130 0160 032 0130 0160 040	0132 0160 016 0132 0160 024 0132 0160 032 0132 0160 040
M 16 x 1.5	1.5	1 d 1.5 d 2 d 2.5 d	16.0 24.0 32.0 40.0	8.3 13.0 17.7 22.4	15.2 23.2 31.2 39.2	19.4	19.9	16.56 16.32	16.50	15.2 23.2 31.2 39.2	17.95	0130 0164 016 0130 0164 024 0130 0164 032 0130 0164 040	0132 0164 016 0132 0164 024 0132 0164 032 0132 0164 040
M 18	2.5	0.5 d 0.75 d 1 d 1.5 d 2 d	9.0 13.5 18.0 27.0 36.0	2.3 3.8 5.6 9.0 12.3	7.7 12.2 16.7 25.7 34.7	21.5	22.0	18.90 18.54	18.75	7.7 12.2 16.7 25.7 34.7	21.25	0130 0180 009 0130 0180 135 0130 0180 018 0130 0180 027 0130 0180 036	0132 0180 009 0132 0180 135 0132 0180 018 0132 0180 027 0132 0180 036
M 18 x 1.5	1.5	0.5 d 0.75 d 1 d 1.5 d 2 d	9.0 13.5 18.0 27.0 36.0	4.2 7.0 9.5 14.9 20.2	8.2 12.7 17.2 26.2 35.2	21.5	22.0	18.56 18.32	18.50	8.2 12.7 17.2 26.2 35.2	19.95	0130 0184 009 0130 0184 135 0130 0184 018 0130 0184 027 0130 0184 036	0132 0184 009 0132 0184 135 0132 0184 018 0132 0184 027 0132 0184 036
M 18 x 2	2.0	0.5 d 0.75 d 1 d 1.5 d 2 d	9.0 13.5 18.0 27.0 36.0	3.1 5.1 7.1 11.2 15.1	8.0 12.5 17.0 26.0 35.0	21.5	22.0	18.72 18.43	18.50	8.0 12.5 17.0 26.0 35.0	20.60	0130 0185 009 0130 0185 135 0130 0185 018 0130 0185 027 0130 0185 036	0132 0185 009 0132 0185 135 0132 0185 018 0132 0185 027 0132 0185 036
M 20	2.5	0.5 d 0.75 d 1 d 1.5 d 2 d	10.0 15.0 20.0 30.0 40.0	2.7 4.5 6.3 10.0 13.7	8.7 13.7 18.7 28.7 38.7	23.7	24.2	20.90 20.54	20.75	8.7 13.7 18.7 28.7 38.7	23.25	0130 0200 010 0130 0200 015 0130 0200 020 0130 0200 030 0130 0200 040	0132 0200 010 0132 0200 015 0132 0200 020 0132 0200 030 0132 0200 040
M 20 x 1.5	1.5	0.5 d 0.75 d 1 d 1.5 d 2 d	10.0 15.0 20.0 30.0 40.0	4.9 7.9 10.7 16.7 22.4	9.2 14.2 19.2 29.2 39.2	23.7	24.2	20.56 20.32	20.50	9.2 14.2 19.2 29.2 39.2	21.95	0130 0204 010 0130 0204 015 0130 0204 020 0130 0204 030 0130 0204 040	0132 0204 010 0132 0204 015 0132 0204 020 0132 0204 030 0132 0204 040
M 20 x 2	2.0	0.5 d 0.75 d 1 d 1.5 d 2 d	10.0 15.0 20.0 30.0 40.0	3.5 5.8 8.0 12.5 16.8	9.0 14.0 19.0 29.0 39.0	23.7	24.2	20.73 20.43	20.50	9.0 14.0 19.0 29.0 39.0	22.60	0130 0205 010 0130 0205 015 0130 0205 020 0130 0205 030 0130 0205 040	0132 0205 010 0132 0205 015 0132 0205 020 0132 0205 030 0132 0205 040

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PRODUCT STANDARD

GAS TURBINE ENGINEERING

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TABLE - I (CONT'D)

d	P	t ₂ min*		W	l ₂ max	d ₁		D _{1HC} max min	B	t ₃ max	D _{HC} min	Typ Standard	Typ Screw-Lock
		rd	mm			min	max						
M 22	2.5	0.5 d	110	3.0	9.7					9.7		0130 0220 011	0132 0220 011
		0.75 d	165	5.0	15.2			22 90		15.2		0130 0220 165	0132 0220 165
		1 d	220	6.9	20.7	26.3	26.8	22 54	22 75	20.7	25.25	0130 0220 022	0132 0220 022
		1.5 d	330	10.9	31.7					31.7		0130 0220 033	0132 0220 033
		2 d	440	15.0	42.7					42.7		0130 0220 044	0132 0220 044
M 22 x 1.5	1.5	0.5 d	110	5.5	10.2					10.2		0130 0224 011	
		0.75 d	165	8.6	15.7			22 56		15.7	23.95	0130 0224 165	
		1 d	220	11.7	21.2	26.3	26.8	22 32	22 50	21.2		0130 0224 022	
		1.5 d	330	18.1	32.2					32.2		0130 0224 033	
		2 d	440	24.5	43.2					43.2		0130 0224 044	
M 22 x 2	2.0	0.5 d	110	3.9	10.0					10.0		0130 0225 011	0132 0225 011
		0.75 d	165	6.4	15.5			22 73		15.5		0130 0225 165	0132 0225 165
		1 d	220	8.7	21.0	26.3	26.8	22 43	22 50	21.0	24.60	0130 0225 022	0132 0225 022
		1.5 d	330	13.6	32.0					32.0		0130 0225 033	0132 0225 033
		2 d	440	18.4	43.0					43.0		0130 0225 044	0132 0225 044
M 24	3.0	0.5 d	120	2.6	10.5					10.5		0130 0240 012	0132 0240 012
		0.75 d	180	4.5	16.5			25 05		16.5		0130 0240 018	0132 0240 018
		1 d	240	6.2	22.5	28.6	29.1	24 65	24 75	22.5	27.90	0130 0240 024	0132 0240 024
		1.5 d	360	10.0	34.5					34.5		0130 0240 036	0132 0240 036
		2 d	480	14.0	46.5					46.5		0130 0240 048	
M 24 x 1.5	1.5	0.5 d	120	6.0	11.2					11.2		0130 0244 012	
		0.75 d	180	9.5	17.2			24 56		17.2	25.95	0130 0244 018	
		1 d	240	12.9	23.2	28.6	29.1	24 33	24 50	23.2		0130 0244 024	
		1.5 d	360	19.8	35.2					35.2		0130 0244 036	
		2 d	480	26.7	47.2					47.2		0130 0244 048	
M 24 x 2	2.0	0.5 d	120	4.3	11.0					11.0		0130 0245 012	0132 0245 012
		0.75 d	180	7.0	17.0			24 73		17.0		0130 0245 018	0132 0245 018
		1 d	240	9.6	23.0	28.6	29.1	24 43	24 50	23.0	26.60	0130 0245 024	0132 0245 024
		1.5 d	360	15.0	35.0					35.0		0130 0245 036	0132 0245 036
		2 d	480	20.2	47.0					47.0		0130 0245 048	0132 0245 048
M 26 x 1.5	1.5	0.5 d	130	6.5	12.2					12.2		0130 0264 013	
		0.75 d	195	10.3	18.7			26 56		18.7	27.95	0130 0264 195	
		1 d	260	14.0	25.2	31.0	31.5	26 33	26 50	25.2		0130 0264 026	
		1.5 d	390	21.6	38.2					38.2		0130 0264 039	
		2 d	520	29.1	51.2					51.2		0130 0264 052	
M 27	3.0	0.5 d	135	3.2	12.0					12.0		0130 0270 135	0132 0270 135
		0.75 d	203	5.0	18.8			28 05		18.8		0130 0270 203	0132 0270 203
		1 d	270	7.1	25.5	32.2	32.7	27 65	27 75	25.5	30.90	0130 0270 027	0132 0270 027
		1.5 d	405	11.4	39.0					39.0		0130 0270 405	0132 0270 405
		2 d	540	15.4	52.5					52.5		0130 0270 054	0132 0270 054
M 27 x 1.5	1.5	0.5 d	135	6.7	12.7					12.7		0130 0274 135	
		0.75 d	203	10.7	19.5			27 56		19.5	28.95	0130 0274 203	
		1 d	270	14.6	26.2	32.2	32.7	27 33	27 50	26.2		0130 0274 027	
		1.5 d	405	22.6	39.7					39.7		0130 0274 405	
		2 d	540	30.0	53.2					53.2		0130 0274 054	
M 27 x 2	2.0	0.5 d	135	5.1	12.5					12.5		0130 0275 135	
		0.75 d	203	7.9	19.3			27 73		19.3	29.60	0130 0275 203	
		1 d	270	10.8	26.0	32.2	32.7	27 43	27.50	26.0		0130 0275 027	
		1.5 d	405	16.8	39.5					39.5		0130 0275 405	
		2 d	540	22.6	53.0					53.0		0130 0275 054	

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GAS TURBINE ENGINEERING

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TABLE -I (CONTD)

d	P	t ₂ min*		W	l ₂ max	d ₁		D _{1HC} max min	B	t ₃ max	D _{HC} min	Typ Standard	Typ Screw-Lock
		d	mm			min	max						
M 28x15	1,5	0,5 d	14,0	7,1	13,2	33,1	33,6	28 56 28 33	28 50	13 2 20 2 27 2 41 2 55 2	29 95	0130 0284 014 0130 0284 021 0130 0284 028 0130 0284 042 0130 0284 056	
		0,75 d	21,0	11,1	20,2								
		1 d	28,0	15,2	27,2								
		1,5 d	42,0	23,3	41,2								
		2 d	56,0	31,4	55,2								
M 30	3,5	0,5 d	15,0	3,0	13,2	35 2	35 7	31 21 30 76	31 00	13 2 20 7 28 2 43 2 58 2	34 55	0130 0300 015 0130 0300 225 0130 0300 030 0130 0300 045 0130 0300 060	0132 0300 015 0132 0300 225 0132 0300 030 0132 0300 045 0132 0300 060
		0,75 d	22 5	4,9	20 7								
		1 d	30 0	7,0	28 2								
		1,5 d	45 0	11,0	43 2								
		2 d	60 0	14,9	58 2								
M 30x15	1,5	0,5 d	15,0	7,8	14 2	35 2	35 7	30 56 30 33	30 50	14 2 21 7 29 2 44 2 59 2	31 95	0130 0304 015 0130 0304 225 0130 0304 030 0130 0304 045 0130 0304 060	
		0,75 d	22 5	12,2	21 7								
		1 d	30 0	16 5	29 2								
		1,5 d	45 0	25,3	44 2								
		2 d	60,0	34 0	59 2								
M 30x2	2,0	0,5 d	15,0	5 7	14 0	35 2	35 7	30 73 30 43	30 50	14 0 21 5 29 0 44 0 59 0	32 60	0130 0305 015 0130 0305 225 0130 0305 030 0130 0305 045 0130 0305 060	
		0,75 d	22 5	9 0	21 5								
		1 d	30 0	12 3	29 0								
		1,5 d	45,0	19 0	44 0								
		2 d	60,0	25,5	59 0								
M 33	3,5	0,5 d	16,5	3 4	14 7	38 3	38 8	34 21 33 76	34 00	14 7 23 0 31 2 47 7 64 2	37,55	0130 0330 165 0130 0330 248 0130 0330 033 0130 0330 495 0130 0330 066	0132 0330 033 0132 0330 495 0132 0330 066
		0,75 d	24 8	5,6	23 0								
		1 d	33 0	7,8	31 2								
		1,5 d	49 5	12 2	47 7								
		2 d	66,0	16,5	64 2								
M 33x2	2,0	0,5 d	16 5	6 4	15 5	38,3	38 8	33 73 33 43	33 50	15 5 23 8 32 0 48 5 65 0	35,60	0130 0335 165 0130 0335 248 0130 0335 033 0130 0335 495 0130 0335 066	
		0,75 d	24,8	10,1	23 8								
		1 d	33,0	13,7	32 0								
		1,5 d	49,5	21,2	48 5								
		2 d	66,0	28,4	65 0								
M 36	4,0	0,5 d	18,0	3,2	16 0	42,1	42,6	37 34 36 87	37 00	16 0 25 0 34 0 52 0 70 0	41,20	0130 0360 018 0130 0360 027 0130 0360 036 0130 0360 054 0130 0360 072	0132 0360 036 0132 0360 054 0132 0360 072
		0,75 d	27,0	5,0	25 0								
		1 d	36,0	7,0	34 0								
		1,5 d	54,0	11,1	52 0								
		2 d	72,0	15,2	70 0								
M 36x1,5	1,5	0,5 d	18,0	9,5	17 2	42,1	42,6	36 56 36 33	36 50	17 2 26 2 35,2 53,2 71,2	37,95	0130 0364 018 0130 0364 027 0130 0364 036 0130 0364 054 0130 0364 072	
		0,75 d	27,0	14,7	26 2								
		1 d	36,0	19,9	35 2								
		1,5 d	54,0	30,5	53,2								
		2 d	72,0	41,0	71,2								
M 36x2	2,0	0,5 d	18,0	6,8	17 0	42,1	42 6	36 73 36 43	36 50	17,0 26 0 35 0 53 0 71,0	38,60	0130 0365 018 0130 0365 027 0130 0365 036 0130 0365 054 0130 0365 072	
		0,75 d	27,0	10,3	26 0								
		1 d	36 0	14,1	35 0								
		1,5 d	54,0	21,9	53,0								
		2 d	72,0	31,1	71 0								
M 36x3**	3,0	0,5 d	18,0	4,4	16 5	42,1	42,6	37 05 36 65	37,00	16 5 25,5 34 5 52,5 70 5	39,90	0130 0366 018 0130 0366 027 0130 0366 036 0130 0366 054 0130 0366 072	0132 0366 018 0132 0366 027 0132 0366 036 0132 0366 054 0132 0366 072
		0,75 d	27,0	7,2	25 5								
		1 d	36,0	9,9	34 5								
		1,5 d	54,0	15,3	52 5								
		2 d	72 0	20,5	70 5								

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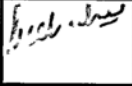
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INVENTORY No.

P-5864 16-3-92

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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 :