

**MANDATORY SPARES INSTRUMENTS FOR EHA and HPSU FOR MAIN**  
**TURBINE VALVES**


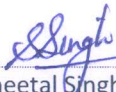
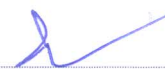
Sl. No.	DESCRIPTION	QTY.	UNIT	MATERIAL CODE
1	Pressure Transmitter (HPSU)	1	No.	W99318146205
2	Level Switch (HPSU)	1	No.	W99318146183
3	RTD (HPSU)	1	No.	W99318146213
4	Pressure Switch (HPSU)	1	No.	W99318146140
5	DPS (Type-1) (HPSU)	1	No.	W99318146159
6	DPS (Type-2) (HPSU)	1	No.	W99318146167
7	DPS (Type-3) (HPSU)	1	No.	W99318146175
8	Pressure Gauge (Type-1) (HPSU)	1	No.	W99318146094
9	Pressure Gauge (Type-2) (HPSU)	1	No.	W99318146108
10	Pressure Gauge (Type-3) (HPSU)	1	No.	W99318146116
11	Pressure Gauge (Type-4) (HPSU)	1	No.	W99318146124
12	Level Gauge (HPSU)	1	No.	W99318146132
13	Proximity Switch (Oil Leakage Detector) (HPSU)	1	No.	W99318146230
14	Junction box for main HPSU instruments (HPSU)	1	No.	W99318146248
15	Coil for trip solenoid valve for EHA of HPSV (EHA)	1	No.	W99318146256
16	Coil for trip solenoid valve for EHA of HPCV (EHA)	1	No.	W99318146264
17	Coil for trip solenoid valve for EHA of IPSV (EHA)	1	No.	W99318146272
18	Coil for trip solenoid valve for EHA of IPCV (EHA)	1	No.	W99318146280
19	Coil for trip solenoid valve for EHA of OLV CV (EHA)	1	No.	W99318146299
20	Junction Box for main turbine stop valve actuator (EHA)	1	No.	W99318146302
21	Junction Box for main turbine control/overload valve actuator (EHA)	1	No.	W99318146310
22	level transmitter for main HPSU	1	No.	W99318146191
23	RTD with temp. transmitter for main HPSU	1	No.	W99318146221

00	22.05.2017	418000C8052	Nitin	Sheetal Singh	Vinod kumar
Rev	Date	DOC. NO.	Prepared By	Checked By	Approved By

# MANDATORY SPARES INSTRUMENTS FOR EHA and HPSU FOR MAIN TURBINE VALVES

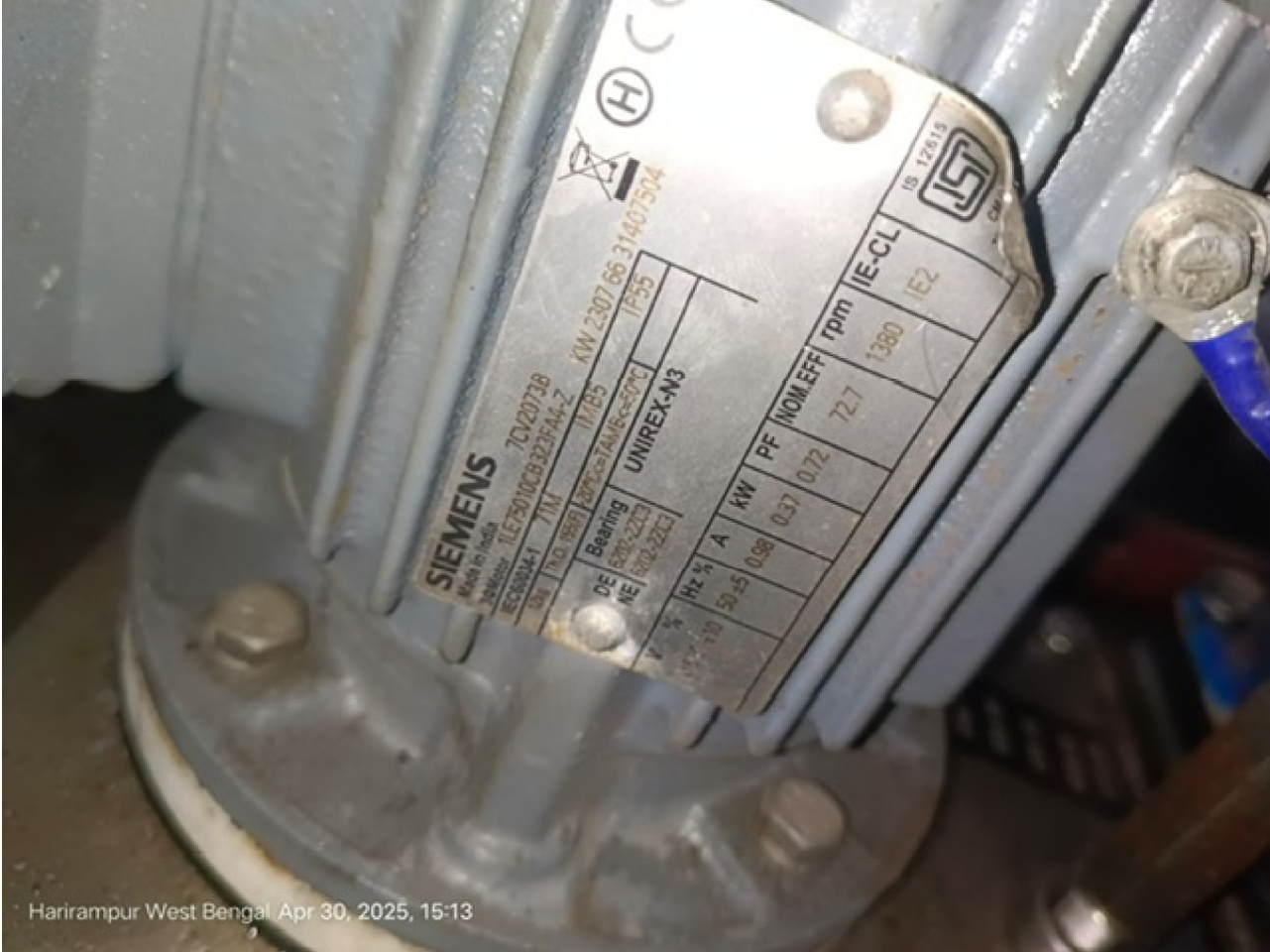
## TECHNICAL REQUIREMENTS:-

1. ALL THE MANDATORY SPARES SHALL BE MANUFACTURED & SUPPLIED CORRESPONDING TO THE MAIN EQUIPMENT.
2. RTDs SHALL BE DUPLEX TYPE AND LEVEL SWITCH SETTINGS SHALL BE AS PER BHEL SPECIFICATION.
3. INTERCHANGEABILITY OF ALL THESE SPARES WITH THEIR RESPECTIVE PARTS AGAINST WHICH THEY ARE INTENDED FOR REPLACEMENTS, SHALL BE ENSURED BY THE SUPPLIER.
4. ALL THE SPARES MUST BE PACKED IN SEALED TRANSPARENT PLASTIC BAGS AND CLEARLY MARKED OR LABELED ON THE OUTSIDE OF THE PACKING WITH ITS DESCRIPTION & ASSEMBLY PART NUMBERS.
5. QUALITY CHECKS & TESTING NORMS/REQUIREMENTS FOR SPARES SHALL BE AS PER APPROVED QUALITY PLAN (QP) APPLICABLE FOR THE MAIN EQUIPMENT.
6. ASSEMBLY DRAWINGS SHALL BE FURNISHED BY THE VENDOR AGAINST ALL THE OFFERED ITEMS (IF APPLICABLE).
7. OFFERED ITEMS AND THEIR RELEVANT DRAWINGS SHALL BE CORRELATED WITH THE ITEMS MENTIONED IN THIS DRAWING & WITH RESPECTIVE APPROVED BOM OF MAIN EQUIPMENT DRAWING.
8. SPARE INSTRUMENTS SHALL BE SUPPLIED IN WOODEN BOX WITH STEEL STRIPS WITH GREEN COLOUR.
9. PACKING BOX SHALL BE PASTED WITH PACKING LIST AND MARKED RESPECTIVE KKS TAGS OF MAIN ITEM AGAINST WHICH THIS SPARE IS SUPPLIED.

00	22.05.2017	418000C8052	Nitin 	Sheetal Singh 	Vinod kumar 
Rev	Date	DOC. NO.	Prepared By	Checked By	Approved By

Electric Motor : 0.37kW (0.5HP), 4 Pole, B5, 3PH, 415V, 50Hz, IP55, CLASS "F" INSULATION, TEFC, IE2, .





Harirampur West Bengal Apr 30, 2025, 15:13



**PRE-QUALIFICATION REQUIREMENTS FOR POSITION TRANSMITTER (Material Code – W99318145381)**

1. Vendor to submit experience-list<sup>\$</sup> (manufacturing/supplying/ testing/ support after sales) for supply of Position Transmitter of BALLUFF or equivalent make for continuous operation with 4-20mA output as per details outlined below:-

\$ where experience list means fulfillment of below parameters:-

- a) Supply of at least 4 similar items in last 6 (six) years.
- b) Further details of experience-list to be furnished in the following tabular format:-

SI No.	Project/Customer Name & Location	Purchase Order Reference No.	Date of referred Purchase Order	Details of items supplied	Contact Details of End-Customer (Name, Full Address, Phone, Email etc.)

2. Vendor to submit unpriced copy of Purchase Orders in support of clause 1 (a) above.
3. The party shall have necessary arrangement/tie-up for providing services after sales for providing necessary assistance to BHEL, in case of any requirement. Part to confirm.
4. BHEL reserve the right to verify the information submitted by bidder. In case the information found to be false /incorrect, the offer shall be rejected. Bidder to confirm.

*Sh. Suresh Chandra*  
07.05.25

Sh. Suresh Chandra  
SDGM/CIE

*Gurpreet Kaur*  
07.05.25

Gurpreet Kaur  
Manager/CIE



**PRE-QUALIFICATION REQUIREMENTS FOR TEMPERATURE SWITCH (Material Code – W99318145306)**

Date: 22.09.25

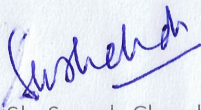
1. Vendor to submit experience-list<sup>s</sup> (manufacturing/supplying/ testing/ support after sales) for supply of Electronic Temperature Switch with one switching and one analogue output of Hydac or equivalent make as per details outlined below:-

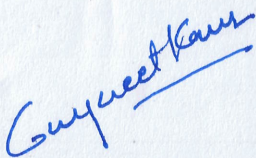
\$ where experience list means fulfillment of below parameters:-

- a) Supply of at least 4 similar items in last 4 (six) years.
- b) Further details of experience-list to be furnished in the following tabular format:-

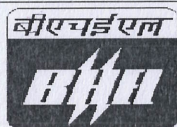
Sl No.	Project/Customer Name & Location	Purchase Order Reference No.	Date of referred Purchase Order	Details of items supplied	Contact Details of End-Customer (Name, Full Address, Phone, Email etc.)

2. Vendor to submit unpriced copy of Purchase Orders in support of clause 1 (a) above.
3. The party shall have necessary arrangement/tie-up for providing services after sales for providing necessary assistance to BHEL, in case of any requirement. Part to confirm.
4. BHEL reserve the right to verify the information submitted by bidder. In case the information found to be false /incorrect, the offer shall be rejected. Bidder to confirm.

  
Sh. Suresh Chandra  
SDGM/CIE

  
Gurpreet Kaur  
Manager/CIE



**BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR**

Control &amp; Instrumentation Engineering (CIE)

**PRE-QUALIFICATION REQUIREMENT****Brief Description- RTD, Proximity Switch and Pressure Switch for Steam Turbine Applications**

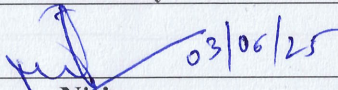
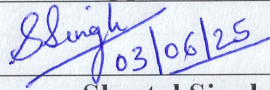
DOCUMENT NO.

CIE/RTD,PS.Pr. Sw  
/PQR\_Kothagudem Barh  
Dt: 03.06.25

Indent No. : 20250647 Rev 00

Applicable Item : RTD, Proximity Switch and Pressure Switch for HPSU tank

SR. NO.	PRE-QUALIFICATION REQUIREMENTS	VENDOR RESPONSE
1.	<p>The bidder should be the Manufacturer/ Authorized supplier/stockist for RTD, Proximity Switch and Pressure Switch and shall offer the items as following:</p> <ol style="list-style-type: none"><li>1) RTD of Wika make and model TR10-H+TW50 OR equivalent</li><li>2) Proximity Switch of make Pepperl+Fuchs and model "CCN15-30GS60-E2-V1" or equivalent</li><li>3) Pressure Switch of MAKE: NORGREN HERION and MODEL SERIES 20, MODEL CODE 180-11-15</li></ol> <p>Vendor to submit experience details (manufacturing/supplying/ support after sales) for supply of RTD, Proximity Switch and Pressure Switch including supply of at least 3 items in last 5 (Five) years.</p> <p>Vendor to submit unpriced copy of Purchase Order (s)/ relevant document in support of this clause.</p>	
2.	<p>The party shall have necessary arrangement/tie-up for providing services after sales for providing necessary assistance to BHEL, in case of requirement. Party to confirm.</p>	
3.	<p>BHEL reserve the right to verify the information submitted by bidder. In case the information found to be false /incorrect, the offer shall be rejected. Bidder to confirm.</p>	

<b>Worked by</b>	<b>Approved by</b>
 Nitn Manager	 Sheetal Singh Sr. Manager



**PRE-QUALIFICATION REQUIREMENTS FOR AC MOTOR (Material Code – W99318145659)**

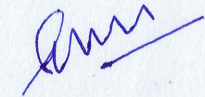
1. Vendor to submit experience-list<sup>s</sup> (manufacturing/supplying/ testing/ support after sales) for supply of AC MOTOR 0.37KW of Siemens india or equivalent make for continuous operation as per details outlined below:-

\$ where experience list means fulfillment of below parameters:-

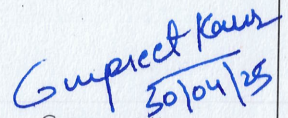
- a) Supply of at least 4 similar items in last 6 (six) years.
- b) Further details of experience-list to be furnished in the following tabular format:-

Sl No.	Project/Customer Name & Location	Purchase Order Reference No.	Date of referred Purchase Order	Details of items supplied	Contact Details of End-Customer (Name, Full Address, Phone, Email etc.)

2. Vendor to submit unpriced copy of Purchase Orders in support of clause 1 (a) above.
3. The party shall have necessary arrangement/tie-up for providing services after sales for providing necessary assistance to BHEL, in case of any requirement. Part to confirm.
4. BHEL reserve the right to verify the information submitted by bidder. In case the information found to be false /incorrect, the offer shall be rejected. Bidder to confirm.



Sh. Suresh Chandra  
SDGM/CIE



30/04/25  
Gurpreet Kaur  
Manager/CIE



**BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR**

Control &amp; Instrumentation Engineering (CIE)

**PRE-QUALIFICATION REQUIREMENT****Brief Description- DPS cum Gauge, Proximity Switch for Steam  
Turbine Applications**

DOCUMENT NO.

CIE/DPS & Pr. Sw /PQR\_Ennore  
Barh


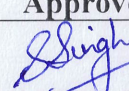
Dt: 06.06.25

Indent No. : 20250896 Rev 00

Applicable Item : Proximity Switch for HPSU tank

Proximity Switch &amp; DPS cum Gauge for EHAs

SR. NO.	PRE-QUALIFICATION REQUIREMENTS	VENDOR RESPONSE
1.	<p>The bidder should be the Manufacturer/ Authorized supplier/stockist for DPG cum Switch &amp; Proximity Switch and shall offer the items as following:</p> <ol style="list-style-type: none"><li>1) Proximity Switch (for HPSU) with model "B CS M30B4M2-PPM20C-S04G" and make "BALLUFF SIESENSORIK" or equivalent</li><li>2) Proximity Switch (for EHA) with model "NAEHERUNGSSCHALTER KG5066" &amp; make "ifm electronic" or equivalent</li><li>3) DPS cum Gauge (for EHA) with model "DRUCKFILTER HSA 99-28086-ZA/V00-DF60P" &amp; make "Rexroth"</li></ol> <p>Vendor to submit experience details (manufacturing/supplying/ support after sales) for supply of Proximity Switch and DPS cum gauge including supply of all these 3 items in last 3 years.</p> <p>Vendor to submit unpriced copy of Purchase Order (s)/ relevant document in support of this clause.</p>	
2.	<p>The party shall have necessary arrangement/tie-up for providing services after sales for providing necessary assistance to BHEL, in case of requirement. Party to confirm.</p>	
3.	<p>BHEL reserve the right to verify the information submitted by bidder. In case the information found to be false /incorrect, the offer shall be rejected. Bidder to confirm.</p>	

<b>Worked by</b>	<b>Approved by</b>
	
Nitin Manager	Sheetal Singh Sr. Manager

**ANNEXURE – 12**

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH  
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04<sup>TH</sup>  
JUNE, 2020 AND SUBSEQUENT ORDER(S)**

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

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To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

**Sub:** Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04<sup>th</sup> June, 2020 and subsequent order(s).

**Ref:** 1) GeM Bid Specification No: .....  
2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... *(specify the name of the organization here)* has a local content of \_\_\_\_\_ % and this meets the local content requirement for **'Class-I local supplier' / 'Class II local supplier'** \*\* as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

- |          |          |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| ...      |          |

Thanking you,  
Yours faithfully,

**(Signature, Date & Seal of  
Authorized Signatory of the Bidder)**

\*\* - Strike out whichever is not applicable.

**Note:**



**ANNEXURE- 3****CERTIFICATE OF NO DEVIATION**

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

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-----  
To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Subject: **No Deviation Certificate**

Ref: 1) GeM Bid No: .....  
2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred GeM Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

**(Signature, date & seal of authorized  
representative of the bidder)**

Date:  
Place: