



**REQUIREMENT OF SELF LOCKING, STUD, NUT, WASHER**

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

Details of items details as below:

Sl. NO.	MAT CODE	ITEM DISCREPTION	Quantity (Nos)	Delivery (Days)
1	W97012713038	SELF LOCKING, HEXAGONAL HEAD SCREW M12X1.5X35, HEAD HEIGHT: :8 MM, WIDTH ACROSS FLAT:19MM, LOCKING ELEMENT: WEDGLOCK, MATERIAL CLASS:8.8 SIZE: P/N 127618214	100	45
2	W97012800119	STUD, M8X28, DIMENTIONS AS PER UNI 5917 AND OTHER REQUIREMENTS AS PER IS 1862, MATL = 8.8 AS PER IS 1367 N.STD:UNI 5917	100	45
3	W97012800127	STUD, M8X40 AS PER UNI 5917, MATERIAL CLASS: 8.8, ELECTROPLATED COATING: P2G AS PER SO 4042 (ZINC- NICKEL) N.STD:UNI 5917	100	45
4	W97012801069	STUD M8X25 AS PER UNI5917, MATERIAL PROPERTY CLASS: 8.8 ELECTRO-PLATED COATING: P2G AS PER ISO 4042 (ZINC- NICKEL) N.STD:UNI 5917	300	45
5	W97012801131	STUD UNI 5917-M10X30-8.8 (ELECTROPLATING REQUIREMENTS AS PER ISO 4042-B2G) N.STD:UNI 5917	200	45
6	W97012801158	STUD M10X45 AS PER UNI 5917, MATERIAL CLASS: 8.8, ELECTROPLATED COATING: P2G AS PER ISO 4042 (ZINC- NICKEL) N.STD:UNI 5917	200	45
7	W97013311103	NUT, SELF-LOCKING, M6 UNI 7473 , MATERIAL PROPERTY CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7473	200	45
8	W97013311111	NUT, SELF-LOCKING, M8 UNI 7473 , MATL : 8.8, FINISH : ZINCO-N ICKEL N.STD:UNI 7473	1000	45
9	W97013311120	NUT, SELF-LOCKING, M10 AS PER UNI 7473, MATERIAL CLASS : 8, FINISH : ZINCO-NICKEL N.STD:UNI 7473	300	45
10	W97013311138	NUT, SELF-LOCKING, M12 UNI 747 3, MATL : 8.8, FINISH : ZINCONICKEL N.STD:UNI 7473	300	45
11	W97013311154	NUT, SELF-LOCKING, M14 UNI 747 3, MATL : 8.8, FINISH : ZINCONICKEL N.STD:UNI 7473	300	45
12	W97013311286	NUT, SELF-LOCKING M10 AS PER UNI 7473, MATERIAL: AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100) ALSO ACCEPTABLE, FINISH: PASSIVATION. N.STD:UNI 7473	200	45
13	W97013312088	NUT, SELF-LOCKING, M6 UNI 7474 , MATL : 8.8, FINISH : ZINCO-N ICKEL N.STD:UNI 7474	300	45

14	W97013312096	NUT, SELF-LOCKING, M8 UNI 7474 , MATL : 8.8, FINISH : ZINCO-N ICKEL N.STD:UNI 7474	300	45
15	W97013312118	NUT, SELF-LOCKING, M10 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7474	200	45
16	W97013312134	NUT, SELF-LOCKING, M14 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7474	200	45
17	W97013312142	NUT, SELF-LOCKING, M16 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH: ZINCO-NICKEL N.STD:UNI 7474	100	45
18	W97013312185	NUT, SELF-LOCKING, M5 UNI 7474 , MATL : AISI 316, FINISH : PASSIVATED N.STD:UNI 7474	200	45
19	W97013401048	SPRING WASHER AS PER UNI8840-B6, MATERIAL: C75, ZINCO NICKEL PLATED. N.STD:UNI 8840 SIZE: P/N 210863822	200	45
20	W97013401153	SPRING WASHER AS PER UNI8840-B4, MATERIAL: C75, ZINCO NICKEL PLATED. N.STD:UNI 8840	200	45
21	W97013401340	WASHER A3 AS PER UNI 8841, MATERIAL: STEEL C75 UNI 3545, FINISH:ZINCO- NICKEL N.STD:UNI 8841	200	45
22	W97013407054	WASHER A 3.2 DIA UNI 1751 MATERIAL : STEEL X5CRNI1810 TREATMENT : PASSIVATION N.STD:UNI 1751	400	45
23	W97013407097	WASHER A 8.4 DIA UNI 1751, MATERIAL : STEEL X5CRNI1810 TREATMENT : PASSIVATION N.STD:UNI 1751	200	45
24	W97013407488	WASHER, SPRING, LOCK, SINGLE COIL, RECTANGULAR SECTION,TYPE B (WITH FLAT ENDS), DIA 6.1( SUITABLE FOR SCREW SIZE M6)AS PER IS:3063 OR EQUIVALENT STD -DIN 127 B/ UNI1751 B, MAT: AISI 304(A2-70),ALT. MATERIAL AISI 316 (A4-70) OR AISI 431 (C3-100) ACCEPTABLE, FINISH:PASSIVATION	200	45
25	W97013409022	SPRING WASHER 8 AS PER DIN: 7980 (SUITABLE FOR SCREW SIZE: M8), INTERNAL DIAMETER-8.1 MM, MATERIAL : STEEL C75, ZINCONICKEL PLATED, DIMENSION, TOLERANCES AND OTHER DETAILS AS PER GOVERNING STANDARD	200	45
26	W97013414026	WASHER 5.3X10 (FOR HEX HEAD SCREW OF SIZE:M5)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	200	45
27	W97013414034	WASHER 6.4X12.5 (FOR HEX HEAD SCREW OF SIZE:M6)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD.	500	45

28	W97013414107	WASHER 21X37 (FOR HEX HEAD SCREW OF SIZE:M20)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION, TOLERANCE AND DETAILS AS PER GOVERNING STD.	300	45
29	W97013414131	WASHER 4.3X8(FOR ROUND/CHEESE HEAD SCREW OF SIZE:M4)AS PER UNI 6592 OR EQUIVALNET STD. DIN 433/ISO 7092/IS:2016 TYPEB)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	200	45
30	W97013414166	WASHER 10.5X18(FOR ROUND/ CHEESE HEAD SCREW OF SIZE:M10) AS PER UNI 6592 OR EQVLNT STD DIN 433/ISO 7092/IS:2016 TYPEB)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION, TOLERANCE AND DETAILS AS PER GOVERNING STD.	200	45
31	W97013307033	THICK HEXAGONAL NUT M16 AS PER UNI 5587, MATERIAL CLASS :8 , ELECTRO- PLATED COATING : P2G AS PER ISO 4042 (ZINCNICKEL) N.STD:UNI 5587	100	45
32	W97013311235	NUT, SELF-LOCKING, M3 AS PER UNI 7473, MATERIAL: AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100) ALSO ACCEPTABLE, FINISH: PASSIVATION. N.STD:UNI7473	200	45
33	W97013414042	WASHER 8.4X17 (FOR HEX HEAD SCREW OF SIZE:M8)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	1000	45
34	W97013306746	PREVAILING TORQUE TYPE HEXAGON NUT (WITH NON METALLIC INSERT) M18X2.5 AS PER UNI 7473 OR EQUIVALENT STANDARD DIN:982/ IS:7002/ ISO:7040,MATERIAL: STEEL PROPERTY CLASS:8.8, FINISH:ZINCO-NICKEL,DIMENSION ,TOLERANCE AND OTHER TECHNICAL DETILAS AS PER GOVERNING STANDARD	200	45

1. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY
2. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.
3. KINDLY **SUBMIT TECHNO-COMMERCIAL CHECKLIST** ALONG WITH YOUR OFFER.
4. KINDLY SUBMIT TECHNICAL SHEET ALONG WITH YOUR OFFER FOR QUOTED ITEMS.

5. VENDOR TO CONFIRM TO PROVIDE MATERIAL TEST CERTIFICATES (FROM NABL ACCREDITED/GOVT. APPROVED OR OEM LABS) AND DIMENSIONAL REPORT (10% QTY. ACTUAL REPORT) AS PER ENQUIRY CHECKLIST ALONG WITH THE MATERIALS.
6. VENDOR TO CONFIRM TO PROVIDE DOCUMENTS KEEPING PROPER CORRELATION WITH PO ITEMS AND THEIR QUANTITY.
7. VENDOR TO CONFIRM TO PROVIDE CERTIFICATE OF CONFORMANCE ALONG WITH MATERIAL DISPATCH.
8. VENDOR TO CONFIRM TO PROVIDE IDENTIFICATION OF ALL ITEMS AND PROVIDE REPORT ACCORDINGLY.
9. EARLY DELIVERY IS ACCEPTABLE.

**QUALIFYING CONDITIONS for all types of SCREWS / BOLTS / NUTS / STUDS / WASHERS**

Only those manufacturers or authorized dealer/distributor/stockiest/suppliers should quote:

<b>Sl.</b>	<b>PQR Requirement</b>	<b>Vendor Response</b>	<b>Vendor Response (Yes / No / Remarks, if any)</b>
1.	who can manufacture or supply SCREWS / BOLTS / NUTS / STUDS/WASHERS as per national and equivalent International standards	Vendor to confirm	
2.	who can provide Material Test Certificate from NABL certified / Govt. approved Labs/ OEM certified lab	Vendor to confirm	

**Technical Sheet for Indent 20222808**

Sl No	Mat code	Description	STANDARD	Material	Finish	Certification	VENDOR RESPONSE YES/NO
1	W97012713038	SELF LOCKING, HEXAGONAL HEAD SCREW M12X1.5X35, HEAD HEIGHT: :8 MM, WIDTH ACROSS FLAT:19MM, LOCKING ELEMENT: WEDGLOCK, MATERIAL CLASS:8.8 SIZE: P/N 127618214	As per drawing 127618214	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/ OEM certified lab	
2	W97012800119	STUD, M8X28, DIMENTIONS AS PER UNI 5917 AND OTHER REQUIREMENTS AS PER IS 1862, MATL = 8.8 AS PER IS 1367 N.STD:UNI 5917	UNI 5917/ DIN 940	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
3	W97012800127	STUD, M8X40 AS PER UNI 5917, MATERIAL CLASS: 8.8, ELECTROPLATED COATING: P2G AS PER SO 4042 (ZINC-NICKEL) N.STD:UNI 5917	UNI 5917/ DIN 940	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
4	W97012801069	STUD M8X25 AS PER UNI5917, MATERIAL PROPERTY CLASS: 8.8 ELECTRO-PLATED COATING: P2G AS PER ISO 4042 (ZINC- NICKEL) N.STD:UNI 5917	UNI 5917/ DIN 940	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
5	W97012801131	STUD UNI 5917-M10X30-8.8 (ELECTROPLATING REQUIREMENTS AS PER ISO 4042-B2G) N.STD:UNI 5917	UNI 5917/ DIN 940	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
6	W97012801158	STUD M10X45 AS PER UNI 5917, MATERIAL CLASS: 8.8, ELECTROPLATED COATING: P2G AS PER ISO 4042 (ZINC-NICKEL) N.STD:UNI 5917	UNI 5917/ DIN 940	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
7	W97013311103	NUT, SELF-LOCKING, M6 UNI 7473 , MATERIAL PROPERTY CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7473	UNI 7473/ DIN982	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
8	W97013311111	NUT, SELF-LOCKING, M8 UNI 7473 , MATL : 8.8, FINISH : ZINCO-N ICKEL N .STD:UNI 7473	UNI 7473/ DIN982	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
9	W97013311120	NUT, SELF-LOCKING, M10 AS PER UNI 7473, MATERIAL CLASS : 8, FINISH : ZINCO-NICKEL N.STD:UNI 7473	UNI 7473/ DIN982	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
10	W97013311138	NUT, SELF-LOCKING, M12 UNI 747 3, MATL : 8.8, FINISH : ZINCONICKEL N.STD:UNI 7473	UNI 7473/ DIN982	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
11	W97013311154	NUT, SELF-LOCKING, M14 UNI 747 3, MATL : 8.8, FINISH : ZINCONICKEL N.STD:UNI 7473	UNI 7473/ DIN982	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
12	W97013311286	NUT, SELF-LOCKING M10 AS PER UNI 7473, MATERIAL:AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100) ALSO ACCEPTABLE, FINISH: PASSIVATION. N.STD:UNI 7473	UNI 7473/ DIN982	AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100)	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
13	W97013312088	NUT, SELF-LOCKING, M6 UNI 7474 , MATL : 8.8, FINISH : ZINCO-N ICKEL N .STD:UNI 7474	UNI 7474/ DIN985	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
14	W97013312096	NUT, SELF-LOCKING, M8 UNI 7474 , MATL : 8.8, FINISH : ZINCO-N ICKEL N .STD:UNI 7474	UNI 7474/ DIN985	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
15	W97013312118	NUT, SELF-LOCKING, M10 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7474	UNI 7474/ DIN985	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
16	W97013312134	NUT, SELF-LOCKING, M14 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH : ZINCO-NICKEL N.STD:UNI 7474	UNI 7474/ DIN985	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
17	W97013312142	NUT, SELF-LOCKING, M16 AS PER UNI 7474, MATERIAL CLASS: 8, FINISH: ZINCO-NICKEL N.STD:UNI 7474	UNI 7474/ DIN985	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
18	W97013312185	NUT, SELF-LOCKING, M5 UNI 7474 , MATL : AISI 316, FINISH : PASSIVATED N.STD:UNI 7474	UNI 7474/ DIN985	MATL : AISI 316	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
19	W97013401048	SPRING WASHER AS PER UNI8840-B6, MATERIAL : C75, ZINCO NICKEL PLATED. N.STD:UNI 8840 SIZE: P/N 210863822	UNI 8840/ DIN137B	MATERIAL : C75	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
20	W97013401153	SPRING WASHER AS PER UNI8840-B4, MATERIAL : C75, ZINCO NICKEL PLATED. N.STD:UNI 8840	UNI 8840/ DIN137B	MATERIAL : C75	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
21	W97013401340	WASHER A3 AS PER UNI 8841, MATERIAL: STEEL C75 UNI 3545, FINISH:ZINCO- NICKEL N.STD:UNI 8841	UNI 8841/ DIN6797A/ IS 5371 TYPEA	MATERIAL : C75	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	

Sl No	Mat code	Description	STANDARD	Material	Finish	Certification	VENDOR RESPONSE YES/NO
22	W97013407054	WASHER A 3.2 DIA UNI 1751 MATERIAL : STEEL X5CRNI1810 TREATMENT : PASSIVATION N.STD:UNI 1751	UNI 1751/ IS 3063 (TYPE A)	STEEL X5CRNI1810	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
23	W97013407097	WASHER A 8.4 DIA UNI 1751, MATERIAL : STEEL X5CRNI1810 TREATMENT : PASSIVATION N.STD:UNI 1751	UNI 1751/ IS 3063 (TYPE A)	STEEL X5CRNI1810	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
24	W97013407488	WASHER, SPRING, LOCK, SINGLE COIL, RECTANGULAR SECTION,TYPE B (WITH FLAT ENDS), DIA 6.1( SUITABLE FOR SCREW SIZE M6)AS PER IS:3063 OR EQUIVALENT STD -DIN 127 B/ UNI1751 B, MAT: AISI 304(A2-70),ALT. MATERIAL AISI 316 (A4-70) OR AISI 431 (C3-100) ACCEPTABLE, FINISH:PASSIVATION	IS:3063 OR EQUIVALENT STD - DIN 127 B/ UNI 1751 B	MAT: AISI 304(A2-70),ALT. MATERIAL AISI 316 (A4-70) OR AISI 431 (C3-100)	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
25	W97013409022	SPRING WASHER 8 AS PER DIN: 7980 (SUITABLE FOR SCREW SIZE: M8), INTERNAL DIAMETER-8.1 MM, MATERIAL : STEEL C75, ZINCONICKEL PLATED, DIMENSION, TOLERANCES AND OTHER DETAILS AS PER GOVERNING STANDARD	DIN: 7980	STEEL C75	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
26	W97013414026	WASHER 5.3X10 (FOR HEX HEAD SCREW OF SIZE:M5)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	UNI 6592 OR EQUIVALNET STD. DIN 125A/ ISO:7089/ IS:2016(TYPE -A)	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV)	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
27	W97013414034	WASHER 6.4X12.5 (FOR HEX HEAD SCREW OF SIZE:M6)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD.	DIN 125A/ISO:7089/IS:2016(TYPE -A)	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV),	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
28	W97013414107	WASHER 21X37 (FOR HEX HEAD SCREW OF SIZE:M20)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD.	DIN 125A/ ISO:7089/ IS:2016(TYPE -A)	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV)	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
29	W97013414131	WASHER 4.3X8(FOR ROUND/CHEESE HEAD SCREW OF SIZE:M4)AS PER UNI 6592 OR EQUIVALNET STD. DIN 433/ISO 7092/IS:2016 TYPEB)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	UNI 6592 OR EQUIVALNET STD. DIN 433/ ISO 7092/ IS:2016 TYPE B	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV),	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
30	W97013414166	WASHER 10.5X18(FOR ROUND/ CHEESE HEAD SCREW OF SIZE:M10) AS PER UNI 6592 OR EQVLNT STD DIN 433/ISO 7092/IS:2016 TYPEB)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD.	UNI 6592 OR EQVLNT STD DIN 433/ ISO 7092/ IS:2016 TYPE B	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV),	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
31	W97013307033	THICK HEXAGONAL NUT M16 AS PER UNI 5587, MATERIAL CLASS :8, ELECTRO- PLATED COATING : P2G AS PER ISO 4042 (ZINCNICKEL) N.STD:UNI 5587	UNI 5587/ ISO 4033	Property Class 8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
32	W97013311235	NUT, SELF-LOCKING, M3 AS PER UNI 7473, MATERIAL:AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100) ALSO ACCEPTABLE, FINISH: PASSIVATION. N.STD:UNI7473	UNI 7473/ DIN982	MATERIAL:AISI 316 (A4-70), ALTERNATE MATERIAL AISI 304 (A2-70) OR AISI 431 (C3-100)	PASSIVATION	Material Test Certificate from NABL /Govt approved/OEM certified lab	
33	W97013414042	WASHER 8.4X17 (FOR HEX HEAD SCREW OF SIZE:M8)AS PER UNI 6592 OR EQUIVALNET STD. DIN 125A/ISO:7089/IS:2016(TYPE -A)ALSO ACCEPTABLE, MATERIAL: STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV), COATING:ZINCONICKEL,DIMENSION,TOLERANCE AND DETAILS AS PER GOVERNING STD	UNI 6592 OR EQUIVALNET STD. DIN 125A/ ISO:7089/ IS:2016(TYPE -A)	STEEL R80(CARBON STEEL HAVING MIN. UTS OF 785 MPA, HARDNESS CLASS: 200 HV),	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	
34	W97013306746	PREVAILING TORQUE TYPE HEXAGON NUT (WITH NON METALLIC INSERT) M18X2.5 AS PER UNI 7473 OR EQUIVALENT STANDARD DIN:982/ IS:7002/ ISO:7040,MATERIAL: STEEL PROPERTY CLASS:8.8, FINISH:ZINCO-NICKEL,DIMENSION ,TOLERANCE AND OTHER TECHNICAL DETILAS AS PER GOVERNING STANDARD	UNI 7473 OR EQUIVALENT STANDARD DIN:982/ IS:7002/ ISO:7040	Property Class 8.8	ZINC- NICKEL/ CADMIUM CROMATE/ ZINC BLUE	Material Test Certificate from NABL /Govt approved/OEM certified lab	

## TECHNO-COMMERCIAL CHECKLIST

SL. NO.	TERMS & CONDITION	VENDOR CONFIRMATION /REMARKS / REPLY
1	BIDDER NAME	
2	GEM BID NO	
3	ITEM IS TO BE SUPPLIED AS PER TECHNICAL SPECIFICATION	
4	ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY	
	KINDLY SUBMIT TECHNICAL SHEET ALONG WITH YOUR OFFER FOR QUOTED ITEMS.	
5	KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.	
6	VENDOR TO CONFIRM TO PROVIDE MATERIAL TEST CERTIFICATES (FROM NABL ACCREDITED/GOVT. APPROVED OR OEM LABS) AND DIMENSIOANL REPORT (10% QTY. ACTUAL REPORT) AS PER ENQUIRY CHECKLIST ALONGWITH THE MATERIALS.	
7	VENDOR TO CONFIRM TO PROVIDE DOCUMENTS KEEPING PROPER CORRELATION WITH PO ITEMS AND THEIR QUANTITY.	
8	VENDOR TO CONFIRM TO PROVIDE CERTIFICATE OF CONFORMANCE ALONG WITH MATERIAL DISPATCH.	
	VENDOR TO CONFIRM TO PROVIDE IDENTIFICATION OF ALL ITEMS AND PROVIDE REPORT ACCORDINGLY.	
9	<b>RISK PURCHASE:</b> IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.	
10	<b>ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:</b> IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC. SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE "https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors"	

1. **MSE/MII:** THE SUPPLIER NEEDS TO SUBMIT/UPDATE MSE/MII CREDENTIALS ON GEM PORTAL DURING PROFILE UPDATION/ OFFER SUBMISSION STAGE. THE MSE DATA SUBMITTED IS CROSS VERIFIED BY GEM WITH GOVT. OF INDIA UDYAM/NSIC DATABASE THROUGH API INTEGRATION ON REAL TIME BASIS AND FOR MII, A SELF DECLARATION IS BEING GIVEN AND AUTHENTICATED BY AADHAR OTP. IF THE SELLER FAILS TO CLAIM MSE/MII PROVISION ON GEM PORTAL AT PROFILE UPDATION/BID SUBMISSION STAGE, THE SAID SELLER WILL BECOME INELIGIBLE FOR GETTING THE MSE/MII BENEFITS FOR THAT BID AUTOMATICALLY. THE VENDOR CAN ALWAYS CONTACT THE GEM HELPDESK, IN CASE OF ANY ISSUES.
2. THE PRICE QUOTE BY BIDDER SHOULD BE INCLUSIVE OF GST & SHOULD BE ON BHEL HEEP HARIDWAR STORES BASIS.
3. BIDDER'S OFFER IS LIABLE TO BE REJECTED IF THEY DON'T UPLOAD ANY OF THE CERTIFICATES / DOCUMENTS SOUGHT IN THE BID DOCUMENT, ATC AND CORRIGENDUM IF ANY.
4. **RISK PURCHASE:** IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXISTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.
5. **ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:**  
IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC.  
SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE <https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>
6. BIDDERS ARE ADVISED TO CHECK APPLICABLE GST ON THEIR OWN BEFORE QUOTING. BUYER WILL NOT TAKE ANY RESPONSIBILITY IN THIS REGARDS. GST REIMBURSEMENT WILL BE AS PER ACTUALS OR AS PER APPLICABLE RATES (WHICHEVER IS LOWER), SUBJECT TO THE MAXIMUM OF QUOTED GST %.
7. BIDDER SHALL SUBMIT THE FOLLOWING DOCUMENTS ALONG WITH THEIR BID FOR VENDOR CODE CREATION:  
**A. COPY OF PAN CARD B. COPY OF GSTIN C. COPY OF MSE CERTIFICATE**
8. DEDICATED/TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT: BIDDER/OEM MUST HAVE DEDICATED/TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT.
9. DATA SHEET OF THE PRODUCT(S) OFFERED IN THE BID, ARE TO BE UPLOADED ALONG WITH THE BID DOCUMENTS. BUYERS CAN MATCH AND VERIFY THE DATA SHEET WITH THE PRODUCT SPECIFICATIONS OFFERED. IN CASE OF ANY UNEXPLAINED MISMATCH OF TECHNICAL PARAMETERS, THE BID IS LIABLE FOR REJECTION.
10. SCOPE OF SUPPLY (BID PRICE TO INCLUDE ALL COST COMPONENTS): ONLY SUPPLY OF GOODS.
11. PRODUCTS SUPPLIED SHALL BE NONTOXIC AND HARMLESS TO HEALTH. IN THE CASE OF TOXIC MATERIALS, MATERIAL SAFETY DATA SHEET MAY BE FURNISHED ALONG WITH THE MATERIAL.

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

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

- a) **For Non-MSME bidders:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. (MSME means Micro, Small & Medium Enterprises) (THIS IS IN SUPERSESSION OF 10 DAYS' TIME AS PROVIDED IN CLAUSE 12 OF GEM GTC).
- b) **FOR MSE BIDDER:** For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act. Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists /Dealers / Traders etc. for the items offered but not manufactured by themselves.”
- c) **FOR MEDIUM ENTERPRISES:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 60 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order.
- d) Please note that vendor to adhere to the payment terms as per above. No deviation in payment terms shall be accepted. Vendor to submit their offer accordingly.