

BHARAT HEAVY ELECTRICALS LIMITED
Tiruchirapalli-620014

List of documents to be submitted

BHEL Enquiry No: RCNECV2578 – Rate Contract for Supply of Non Metallic End covers.

List of documents to be submitted in Part 1 Bid

The following documents with sign and seal are to be submitted in Part-1 bid for techno-commercial evaluation:

1. Scope of supply
2. Drawings, Specification
3. Schedule of deviation (in case of any deviation)
4. Pre-Qualification Requirements
5. Confirmation to terms and conditions
6. Enquiry General Terms and Conditions
7. Minimum Local Content Declaration Certificate
8. Latest Udyam Registration Certificate

Document to be submitted in Part 2 Bid

The following excel price sheet to be submitted in Part-2 bid:

1. Price sheet –BOQ excel sheet

Scope of Supply

Ref: RCNECV2578

Item Sl. No	Material Code	Material Description	Drawing No/Rev No	Quantity (Nos)*	Delivery Period from PO date	Supplier's Response (Quoted/not Quoted)
1	220710090000	END COVER-1395	2V139501767/01	700	8 Weeks	
2	220710140000	END COVER-2341	2V234101767/01	250	8 Weeks	
3	220710150000	END COVER-2302	2V230201767/01	200	8 Weeks	
4	220710170000	END COVER-0203	2V020301767/01	50	8 Weeks	
5	220710270000	END COVER-0187	2V018701767/01	50	8 Weeks	
6	220710300000	END COVER-0191	2V019101767/01	50	8 Weeks	
7	220710380000	END COVER-2226	2V222601767/01	100	8 Weeks	
8	220710400000	END COVER-1370	2V137001767/01	300	8 Weeks	
9	220710410000	END COVER-1371	2V137101767/01	100	8 Weeks	
10	220710420000	END COVER-1372	2V137201767/01	300	8 Weeks	
11	220710430000	END COVER-1373	2V137301767/01	500	8 Weeks	
12	220710480000	END COVER-1387	2V138701767/01	50	8 Weeks	
13	220710520000	END COVER-1378	2V137801767/01	700	8 Weeks	
14	220710530000	END COVER-1379	2V137901767/01	250	8 Weeks	
15	220710540000	END COVER-1380	2V138001767/01	250	8 Weeks	
16	220710550000	END COVER-1381	2V138101767/01	700	8 Weeks	
17	220710570000	END COVER-1383	2V138301767/01	300	8 Weeks	
18	220710680000	END COVER-0354	2V035401767/01	50	8 Weeks	
19	220710690000	END COVER-2214	2V221401767/01	500	8 Weeks	
20	220734950000	END COVER-5901	4V590104866/02	100	8 Weeks	
21	220734960000	END COVER-5902	4V590204866/01	25000	8 Weeks	
22	220734970000	END COVER-5903	4V590304866/02	4000	8 Weeks	
23	220734980000	END COVER-5904	4V590404866/01	60000	8 Weeks	
24	220734990000	END COVER-5906	4V590604866/01	10000	8 Weeks	
25	220735000000	END COVER-5907	4V590704866/01	10000	8 Weeks	
26	964523540000	END COVER-5900	4V590004866/01	1000	8 Weeks	
27	964152070000	STD.HARD BOARD-7520	3V752010612/00	200	8 Weeks	
28	964529380000	END COVER.21-1/4-4127	3V412707724/01	500	8 Weeks	
29	964529400000	END COVER13-5/8-3M-4112	3V411207724/01	500	8 Weeks	
30	964529410000	END COVER20-3/4-4832	3V483207724/01	50	8 Weeks	

Scope of Supply

Ref: RCNECV2578

Item Sl. No	Material Code	Material Description	Drawing No/Rev No	Quantity (Nos)*	Delivery Period from PO date	Supplier's Response (Quoted/not Quoted)
31	964529420000	HBD END COVER2-1/16--4879	3V487907724/01	1000	8 Weeks	
32	964529430000	HBD END COVER-2-9/16--4881	3V488107724/01	500	8 Weeks	
33	964529440000	END COVER.3-1/8--4882	3V488207724/01	1500	8 Weeks	
34	964529450000	HBD END COVER4-1/16--4733	3V473307724/01	100	8 Weeks	
35	964529460000	END COVER7-1/16--4109	3V410907724/01	1500	8 Weeks	
36	964529470000	END COVER 11-5M-4259	3V425907724/01	2000	8 Weeks	
37	964529480000	END COVER13-5/8-5M-4265	3V426507724/01	1500	8 Weeks	
38	964529500000	END COVER 7-10M-4269	3V426907724/01	300	8 Weeks	
39	964529510000	END COVER13-10M-4369	3V436907724/01	50	8 Weeks	
40	964529570000	TUBE END COVER-4171	4V417107575/00	250	8 Weeks	
41	964651780000	END COVER-C764	4VC76426558/00	500	8 Weeks	
42	964690610000	HBD END COVER.3-1/16-4J71	3V488207724/01	50	8 Weeks	
43	964699680000	END CAP FOR 2-1/16" FLANGE	2V412420264/00	3000	8 Weeks	
44	964699690000	END CAP FOR 2-9/16" FLANGE	2V459220264/00	1500	8 Weeks	
45	964699700000	END CAP FOR 3-1/8" FLANGE	2V413420264/00	500	8 Weeks	
46	964699730000	END CAP FOR M10 GREASE NIPPLE	SPEC/OF/104/00	10000	8 Weeks	
47	964699740000	END CAP FOR 2-1/16" FLANGE WITH SINGLE R	2V412420267/00	300	8 Weeks	
48	220736460000	TUBE END COVER INT.DIA 69- BPS 6119-0120	6119-0120	2500	8 Weeks	
49	220744580000	TUBEENDCOVER INT DIA 12 BPS:6119-012-022	6119-0120	500	8 Weeks	
50	220744590000	TUBE ENDCOVERINT DIA 15 BPS:6119-012-023	6119-0120	100	8 Weeks	
51	220744600000	TUBE ENDCOVERINT DIA 18 BPS:6119-012-02	6119-0120	1500	8 Weeks	
52	220744640000	TUBE ENDCOVER INT DIA 30BPS:6119-012-028	6119-0120	3000	8 Weeks	
53	220744690000	TUBEENDCOVER INT DIA 45 BPS:6119-012-033	6119-0120	1000	8 Weeks	
54	220744730000	TUBEENDCOVER INT DIA 57 BPS:6119-012-037	6119-0120	1500	8 Weeks	
55	220744740000	TUBE ENDCOVERINT DIA 60 BPS:6119-012-038	6119-0120	200	8 Weeks	
Total quantity				151600		

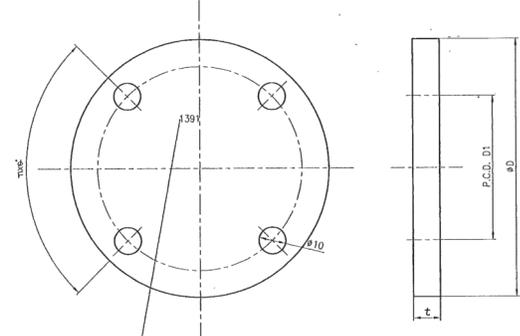
* The quantities mentioned in the enquiry are indicative for the entire Rate contract period

Seal and Signature of authorized signatory

SL.No	NP	NB	DRG.No.	DIMENSIONS				NET WT (kg)	MATL. CODE.
				φ D	D1	t	max		
01	NP-10&6	100	2-V-1391-01767/1	215	180	3	4x90	0.117	22071005
02		125	2-V-0103-01767/1	245	210	3	4x90	0.153	22071006
03		150	2-V-1373-01767/1	SAME AS IN SL.No--56					
04		200	2-V-1394-01767/1	335	295	3	6x60	0.286	22071008
05		250	2-V-1395-01767/1	405	355	3	6x60	0.420	22071009
06		300	2-V-1317-01767/1	460	410	3	6x60	0.542	22071010
07		400	2-V-1318-01767/1	580	525	6	8x45	1.350	22071011
08		600	2-V-1209-01767/1	840	770	6	8x45	2.850	22071012
09		15	2-V-2301-01767/1	95	65	3	4x90	0.021	22071013
10		20	2-V-2302-01767/1	105	75	3	4x90	0.027	22071014
11		25	2-V-2302-01767/1	115	85	3	4x90	0.032	22071015
12		32	2-V-2242-01767/1	135	100	3	4x90	0.044	22071016
13		40	2-V-0203-01767/1	145	110	3	4x90	0.051	22071017
14		50	2-V-0204-01767/1	160	125	3	4x90	0.063	22071003
15		65	2-V-0205-01767/1	180	145	3	4x90	0.080	22071018
16		80	2-V-1371-01767/1	SAME AS IN SL.No-- 54					
17		100	2-V-1372-01767/1	SAME AS IN SL.No-- 55					
18		125	2-V-2226-01767/1	SAME AS IN SL.No-- 41					
19		150	2-V-2411-01767/1	300	250	3	4x90	0.226	22071021
20		200	2-V-2412-01767/1	375	320	3	6x60	0.356	22071022
21		250	2-V-0181-01767/1	445	385	3	6x60	0.503	22071023
22		300	2-V-0183-01767/1	510	450	3	8x45	1.031	22071024
23		400	2-V-1217-01767/2	635	585	6	8x45	1.709	22071025
24		500	2-V-1218-01767/1	755	670	6	8x45	2.279	22071026
25		500	2-V-0187-01767/1	175	135	3	4x90	0.075	22071027
26		65	2-V-0188-01767/1	200	160	3	4x90	0.100	22071064
27		80	2-V-1378-01767/1	SAME AS IN SL.No--65					
28		100	2-V-0103-01767/1	SAME AS IN SL.No--2					
29		150	2-V-0191-01767/1	340	280	3	4x90	0.290	22071030
30		200	2-V-1395-01767/1	SAME AS IN SL.No--5					
31		250	2-V-0182-01767/1	470	400	3	6x60	0.560	22071032
32		300	2-V-0184-01767/1	530	460	3	8x45	1.110	22071033
33		15	2-V-2341-01767/1	SAME AS IN SL.No--10					
34		20	2-V-2214-01767/1	SAME AS IN SL.No--43					
35		25	2-V-2242-01767/1	SAME AS IN SL.No--12					
36		32	2-V-1370-01767/1	SAME AS IN SL.No--53					
37		40	2-V-1377-01767/1	SAME AS IN SL.No--64					
38		50	2-V-1371-01767/1	SAME AS IN SL.No--54					
39		65	2-V-1391-01767/1	SAME AS IN SL.No--1					
40		80	2-V-1372-01767/1	SAME AS IN SL.No--55					
41		100	2-V-2226-01767/1	265	210	3	4x90	0.173	22071038
42		150	2-V-0354-01767/1	350	290	3	6x60	0.207	22071068
43		15	2-V-2214-01767/1	125	90	3	4x90	0.037	22071069
44		25	2-V-0203-01767/1	SAME AS IN SL.No--13					
45		40	2-V-0205-01767/1	SAME AS IN SL.No--15					
46		65	2-V-2225-01767/1	SAME AS IN SL.No--55					
47		250	2-V-0347-01767/1	585	490	3	8x45	1.328	22071039

SL.No	NP	NB	DRG.No.	DIMENSIONS				NET WT (kg)	MATL. CODE.
				φ D	D1	t	max		
48	NP-5	800	2-V-0112-01767/1	975	920	6	12x30	3.864	22071001
49	NP-5	1200	2-V-0113-01767/1	1375	1320	6	16x22	7.800	22071002
50	NP-6	300	2-V-0109-01767/1	435	395	3	6x60	0.486	22071072
51	NP-5	200	2-V-0126-01767/1	360	310	3	6x60	0.329	22071073
52	NP-5	300	2-V-0127-01767/1	485	430	3	8x45	0.602	22071074
53		2"	2-V-1370-01767/1	152	121	3	4x90	0.050	22071040
54		3"	2-V-1371-01767/1	190	152	3	4x90	0.082	22071041
55		4"	2-V-1372-01767/1	229	190	3	4x90	0.120	22071042
56		6"	2-V-1373-01767/1	279	241	3	4x90	0.180	22071043
57		8"	2-V-0191-01767/1	SAME AS IN SL.No--29					
58		10"	2-V-1395-01767/1	SAME AS IN SL.No--5					
59		12"	2-V-1376-01767/1	483	432	3	6x60	0.544	22071046
60		14"	2-V-1386-01767/1	533	476	6	6x60	0.654	22071047
61		16"	2-V-1387-01767/1	597	540	6	8x45	0.824	22071048
62		20"	2-V-1512-01767/1	695	635	6	10x36	1.200	22071049
63		24"	2-V-1388-01767/1	813	749	6	10x36	1.534	22071050
64		2"	2-V-1377-01767/1	165	127	3	4x90	0.061	22071051
65		3"	2-V-1378-01767/1	209	168	3	4x90	0.098	22071052
66		4"	2-V-1379-01767/1	254	200	3	4x90	0.147	22071053
67		6"	2-V-1380-01767/1	317	270	3	6x60	0.232	22071054
68		8"	2-V-1381-01767/1	381	330	3	6x60	0.336	22071055
69		10"	2-V-1382-01767/1	444	387	3	8x45	0.457	22071056
70		12"	2-V-1383-01767/1	521	451	3	8x45	0.630	22071057
71		14"	2-V-1384-01767/1	584	514	6	10x36	0.784	22071058
72		1 1/2"	2-V-1370-01767/1	SAME AS IN SL.No--53					
73		300	2-V-0522-01767/1	440	400	3	6x60	0.52	22071060
74		400	2-V-0537-01767/1	565	515	6	8x45	1.31	22071061
75		500	2-V-0538-01767/1	670	620	6	10x36	1.5	22071062
76		600	2-V-0539-01767/1	780	725	6	10x36	1.7	22071063
77		800	2-V-0503-01767/1	1015	950	6	12x30	2.5	22071075
78		26"	2-V-N834-01767/1	785	745	6	9x40	1.7	22071076
79		28"	2-V-N847-01767/1	835	795	6	10x36	1.9	22071077
80		30"	2-V-N848-01767/1	885	845	6	11x32.7	2.1	22071078
81		32"	2-V-N827-01767/1	940	900	6	12x30	2.3	22071079
82		36"	2-V-N888-01767/1	1170	1085	6	8x45	3.5	22071080
83		36"	2-V-N846-01767	1055	1010	6	11x32.7	2.7	22071081

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP



IDENTIFICATION MARK TO BE PAINTED ON THE SMOOTH SURFACE
(FOR EXAMPLE "1391" FOR SL.No.1.ORG.No.2-V-1391-01767/1)

MATL. SPECN. STANDARD HARD BOARD IS.1658									
NO	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING NO	ITEM NO
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
RETRACTED WITH REV.4 ON 19.7.2000									
BHARAT HEAVY ELECTRICALS LTD.			NAME		SIGN		DATE		NO. OF
UNIT: HIGH PRESSURE BOILER PLANT, TRICHURAPALLE-800014.			N. LIOJOSUB		N. LIOJOSUB		19/7/2000		VAR.
DEPT: 305-120			M. RAJAKUMAR		M. RAJAKUMAR		19/7/2000		
CODE: 320			SCALE		WEIGHT (KG)		REFERENCE INFORMATIONS		NO. OF
DEPT V L			N T S				CAD REF:- C201767		REV
CODE 320			END COVER		CARD CODE		DRAWING NO.		REV
					U 01		2-V-0000-01767		04

REV 04 DATE 19.7.20 (CHD & APPDM.R.K. N.V.)
DMS CORRECTED FOR SL.No.78 TO 82.
DCN NO.HM 0459

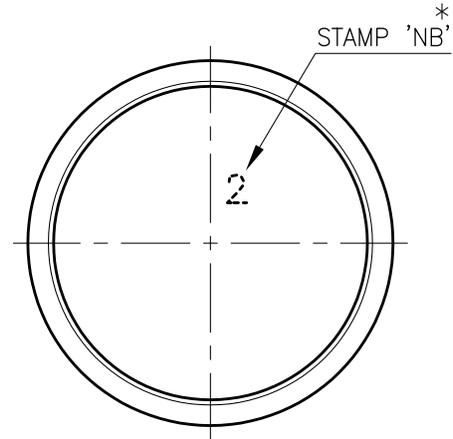
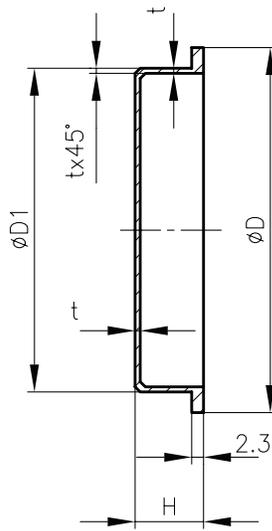
CAUTION: This is a copy of the original drawing. It is not to be used for manufacturing purposes. Any modification to the drawing must be done in the original drawing only.

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS

ALL DIMENSIONS ARE IN MILLIMETRES.
DURING MANUFACTURE REFER RELEVANT QCP/QP

REV 03	DATE 31.03.08	ALTERED CHD & APPDP.BOOMINATHAN	M.SRINIVASAN
DCP:800814 DRAWING CONVERTED INTO AUTOCAD			



NOTES:

1. MATERIAL :- POLYETHYLENE-TYPE GCA IS: 3395-1965
2. COLOUR :- YELLOW
- * 3. DOTTED VALUE INDICATED FOR ILLUSTRATION ONLY.
ACTUAL SIZE OF NORMAL BORE SHALL BE STAMPED HERE.

SL. No.	NB *	DRAWING NO.	ϕD	$\phi D1$ ^{+0.2} ₀	H	t (MIN)	COMPONENT CODE	Wt. (Gms.)
01	1/4"	4-V-5900-04866/01	20	15.30	6.5	0.65	96 452 354 0000	0.70
02	3/8"	4-V-5901-04866/01	27	18.50	6.5	0.65	22 073 495 0000	1.00
03	1/2"	4-V-5902-04866/01	31	22.80	6.5	0.65	22 073 496 0000	1.53
04	3/4"	4-V-5903-04866/01	37	28.10	11.0	1.00	22 073 497 0000	3.51
05	1"	4-V-5904-04866/01	43	34.80	11.0	1.00	22 073 498 0000	5.00
06	1 1/4"	4-V-5905-04866/01	52	43.60	11.0	1.00	96 452 146 0000	7.48
07	1 1/2"	4-V-5906-04866/01	58	49.60	11.0	1.00	22 073 499 0000	9.00
08	2"	4-V-5907-04866/01	71	62.10	11.0	1.00	22 073 500 0000	14.00
09	10	4-V-5731-04866/01	24	15.60	6.5	0.65	22 073 501 0000	0.8

NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No



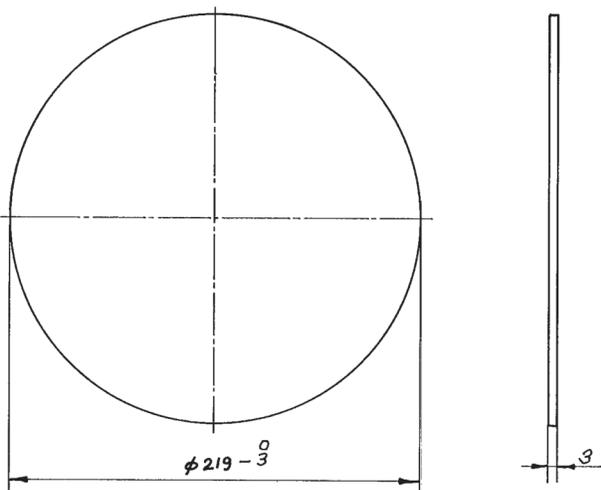
BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI 620014.

DRN	NAME	SIGN	DATE	NO. OF VAR
DRN	S.V.NATHAN		05.09.85	
CHD	G.V.RAMANI		10.09.85	
APPD	G.V.RAMANI		10.09.85	

DEPT VL	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF ITEMS
CODE 320	NTS	REF. TABLE	CAD:F404866	

TITLE	CARD CODE	DRAWING NO.	REV
END COVER	U 01	4-V-0000-04866	03





NO. OF PIECES	DESCRIPTION	SEM. PRO. SEQ. NO.	MATL. CODE	FINAL MATERIAL	SCRAP SOFT	NET WT.(kg)	GROSS WT.(kg)	DRAWING NO.	ITEM NO.
			36415207	STANDARD HARD BOARD 15-1658		0.05			190

**BHARAT HEAVY ELECTRICALS LTD.,
BOILER PLANT UNIT, TIRUCHIRAPALLI-14**

FIRST ANGLE	SCALE	DRAWN	TOTAL NET WT. (kg)
	NT6	A. VELUSAMY	
		CHECKED	DR. DRG. NO.
		V. Pothum Pillai	3038/EX 317
		APPROVED	DR. PART NO.
		Wp	0381358
ALL DIMENSIONS IN MILLIMETRES	DATE	SL. NO.	
	21-3-89	10158/10153/10160	

CAUTION
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE PROPERTY OF
BHARAT HEAVY ELECTRICALS LTD.,
BOILER PLANT UNIT, TIRUCHY-14
AND SHALL NOT BE USED WITHOUT THEIR
EXPRESS WRITTEN PERMISSION IN ANY
FORM OR PART THEREOF FOR ANY
OTHER PURPOSE THAN FOR WHICH
IT IS SENT TO YOU.

33-115

TITLE
END COVER

DRAWING NO.
3-V-7520-10612

REVISION

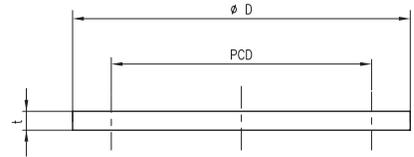
3-V-000-07724

ON DRAWING

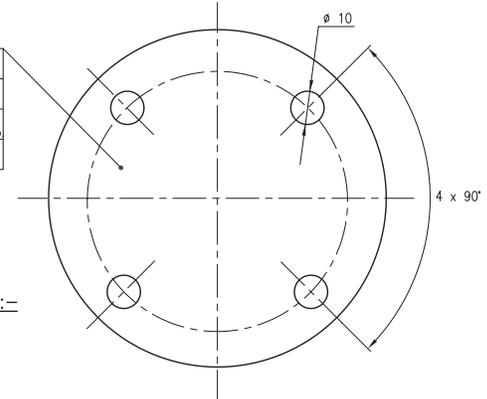
ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP.

SL No.	FLANGE RATINGS	DRAWING NUMBER	MATL. CODE	ø D	PCD	t	NET WT (Kg)	SUPERSEDED DRG	BHEL PART No.
01	13 5/8" - 2000	SAME AS SERIAL NUMBER 05							
02	21 1/4" - 2000	3-V-4127-07724/01	96 452 938	813	724	6	3.42	VPS-001-9036	4127309
03	3 1/8" - 3000	SAME AS IN SERIAL NUMBER 09							
04	9" - 3000	SAME AS IN SERIAL NUMBER 19							
05	11" - 3000	3-V-4111-07724/01	96 452 939	546	470	6	1.55	VPS-002-9036	4111310
06	13 5/8" - 3000	3-V-4112-07724/01	96 452 940	610	534	6	1.92	VPS-003-9036	4112311
07	20 3/4" - 3000	3-V-4832-07724/01	96 452 941	858	750	6	3.81	VPS-004-9036	4832312
08	2 1/16" - 5000	3-V-4879-07724/01	96 452 942	216	165	3	0.12	VPS-005-9036	4879313
09	2 9/16" - 5000	3-V-4881-07724/01	96 452 943	245	191	3	0.15	VPS-006-9036	4881314
10	3 1/8" - 5000	3-V-4882-07724/01	96 452 944	267	203	3	0.18	VPS-007-9036	4882315
11	4 1/16" - 5000	3-V-4733-07724/01	96 452 945	312	242	3	0.25	VPS-008-9036	4733316
12	7 1/16" - 5000	3-V-4109-07724/01	96 452 946	394	318	6	0.40	VPS-009-9036	4109317
13	11" - 5000	3-V-4259-07724/01	96 452 947	585	483	6	1.77	VPS-010-9036	4259318
14	13 5/8" - 5000	3-V-4265-07724/01	96 452 948	673	591	6	2.35	VPS-011-9036	4265319
15	1 13/16" - 10000	3-V-4178-07724/01	96 452 949	188	146	3	0.09	VPS-012-9036	4178320
16	2 1/16" - 10000	SAME AS IN SERIAL NUMBER 08							
17	2 9/16" - 10000	SAME AS IN SERIAL NUMBER 09							
18	3 1/16" - 10000	SAME AS IN SERIAL NUMBER 10							
19	4 1/16" - 10000	SAME AS IN SERIAL NUMBER 11							
20	7 1/16" - 10000	3-V-4269-07724/01	96 452 950	480	404	6	0.59	VPS-013-9036	4269321
21	11" - 10000	SAME AS IN SERIAL NUMBER 14							
22	13 5/8" - 10000	3-V-4369-07724/01	96 452 951	769	673	6	3.00	VPS-014-9036	4369322
23	3 1/16" - 15000	3-V-4J71-07724/01	96 469 061	290	230	3	0.3	VPS-015-9036	4J71323
REV. 02		DCP No.	ALTERED BY	APPD. BY					
ZONE		CHD	DT.	27-6-05					
		SL NO 23 ADDED.							

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.



IDENTIFICATION MARK
TO BE PAINTED ON THE
SMOOTH SURFACE BY
RESPECTIVE-BHEL PART No
SHOWN IN TABULATION



DIMENSIONAL TOLERANCES:-

- FOR OD UP TO ø 500 $\begin{matrix} 0 \\ -3.0 \end{matrix}$
- FOR OD ABOVE ø 500 $\begin{matrix} 0 \\ -5.0 \end{matrix}$

CAD REF No. o307724

No OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
			STANDARD HARD BORAD IS 1658						

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT

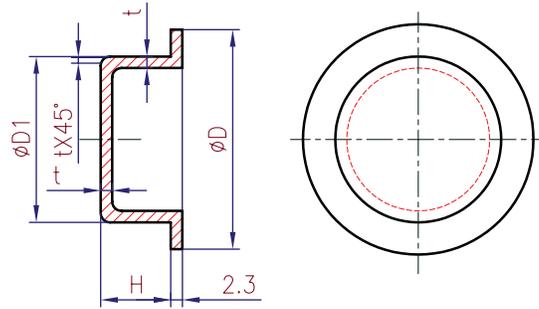
	BHARAT HEAVY ELECTRICALS LTD.		DRN	NAME	SIGN	DATE	NO. OF VAR.
	UNIT: HIGH PRESSURE BOILER PLANT.		CHD	T.RAJARAMAN	<i>T.Rajaraman</i>	27-6-05	
	TIRUCHIRAPALLI-620014.		APPD	V.ALACARSWAMI	<i>V.Alacarswami</i>	27-6-05	

DEPT	VL	SCALE	WEIGHT (KG).	REFERENCE INFORMATIONS	NO. OF TRACES
CODE	340	N T S			

TITLE	END COVER	CARD CODE	U 01	DRAWING NO.	3-V-0000-07724	REV	02
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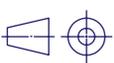
REV	DATE	ALTERED
		CHD & APPD

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.



NOTES:

- 01. MATERIAL:--POLYETHYLENE--TYPE GCA IS:3395--1965
- 02. COLOUR:--YELLOW

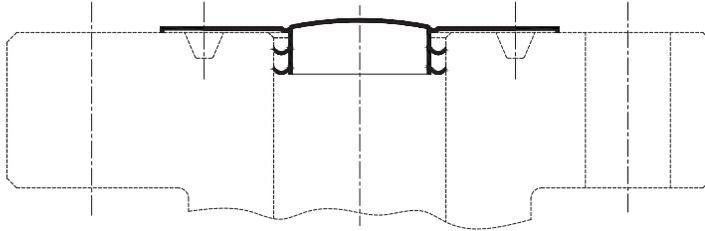
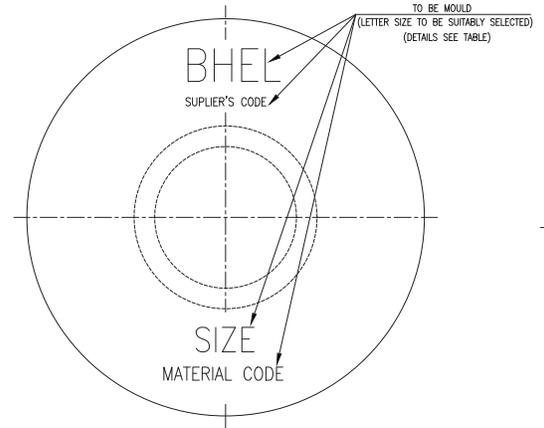
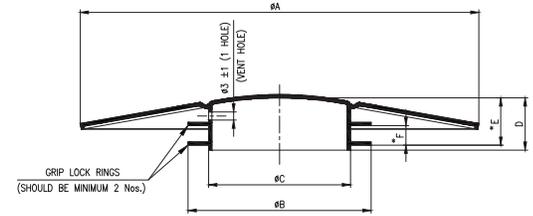
01	4-V-C764-26558	$\phi 27$	$18.7^{+0.2}_0$	6.5	0.65	96 465 178	0.01			
SL NO.	DRAWING NO.	ϕD	$\phi D1$	H	t (min)	COMP.CODE	Wt (Kg)			
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No	
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.						DRN	V.BAIRAVAN	SIGN	DATE	NO.OF VAR
						CHD	R.L.N		16.03.05	
						APPD	M.RAJAKUMAR		16.03.05	
DEPT VL			SCALE	WEIGHT (KG).	REFERENCE INFORMATIONS				NO. OF ITEMS	
CODE	320		N T S	0.01	CAD REFER:C426558					
TITLE						CARD CODE	DRAWING NO.			REV
END COVER						U 01	4-V-0000-26558			



2-V-000-20264

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT OCP / QP

SL No.	DRAWING NUMBER	FLANGE RATINGS	END CAP SIZE (mm)	MATERIAL SPECIFICATION	MATERIAL CODE	DIMENSIONS (mm)				WT / kg	REMARKS
						ØA	ØB	ØC	D		
01	2-V-4124-20264 / 0	2-1/16" - 2M, 3M, 5M, 10M, 15M	50	LINEAR LOW DENSITY POLYETHYLENE (COLOUR : BLUE)	96 469 968 0000	122	56	43.4	14	0.001	
02	2-V-4592-20264 / 0	2-9/16" - 2M, 3M, 5M, 10M, 15M	65		96 469 969 0000	144	69	62	16.3	0.002	
03	2-V-4134-20264 / 0	3-1/8" - 2M, 3M, 5M, 10M, 15M	80		96 469 970 0000	159	83	73	16.5	0.003	
04	2-V-4778-20264 / 0	4-1/16" - 2M, 3M, 5M, 10M, 15M	100		96 469 971 0000	192.5	105	97.6	15.3	0.005	
05	2-V-4L14-20264 / 0	5-1/8" - 2M, 3M, 5M, 10M, 15M	130		96 469 972 0000	260	156	135	16	0.007	



END CAP ASSY DETAILS

NOTES:

- 1. ALL OTHER DIMENSIONS & DETAILS (ie, THICKNESS, FINISHING, DIM. E & F, RADIUS AND ANGLE) AS PER SUPPLIER'S SCOPE.
- 2. TEST CERTIFICATE FOR END COVERS SHOULD BE PROVIDED.

MINIMUM REQUIRED PROPERTIES :

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
DENSITY (23°C)	ASTM D 1505	g/cc	0.926
MFI (190° / 2.19kg)	ASTM D 1238	g/10 min	50
TENSILE YIELD STRENGTH	ASTM D 638	MPa	11.5
ELONGATION AT BREAK	ASTM D 638	%	600
FLEXURAL MODULUS	ASTM D 790	MPa	250
FLEXURAL MODULUS	ASTM D 1525	°C	97

APPLICATIONS :

END CAPS ARE USED TO PROTECT THE BODY SEALING GROOVE AREA FROM CONTAMINATIONS OF ENVIRONMENT.

#	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING NO	ITEM #
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
FOR OFE FLANGES									
BHARAT HEAVY ELECTRICALS LTD. UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014.				DRN	NAME	SIGN	DATE	NO. OF	
				CHD	P. ARUNKUMAR	R.N	20-08-2016	VAR.	
				APPD	R. ELAYARAJA	R.E	20-08-2016		
DEPT	SCALE	WEIGHT (KG)	REFERENCE INFORMATION						
305-120	OFE	N T S							
CODE	TITLE		CARD CODE	DRAWING NO.		REV			
340	FLANGE END CAP (PLASTIC)		U 01	2-V-0000-20264		0			

CAUTION: The information on this document is the property of Bharat Heavy Electricals Ltd. It is to be used strictly in accordance with the document to the interest of the company.

DCP No.	ALTERED	APPD
REV	CHD	DATE

F

Size A2

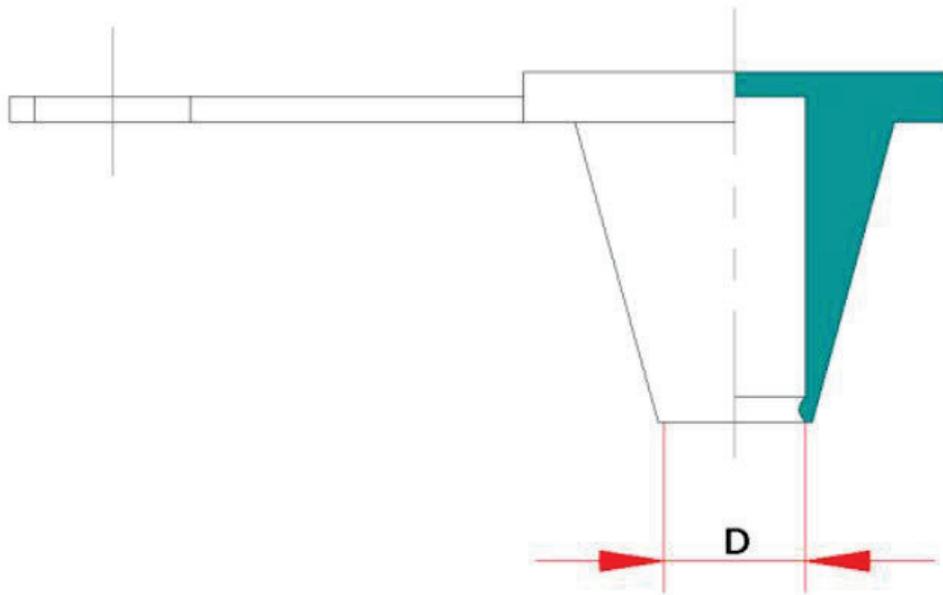
Product: Plastic End Cap for Grease Nipple M10

Revision Record:

Rev. No	Date	Details of Revision
00	07 October 2016	Original Creation

Specification - Plastic End Cap to fit on the head of Grease Nipple M10. (As per the Fig A)

Dia D shall be designed to meet the Cap shall be designed to meet the dimensional requirements of Grease Nipple as per IS 4009-2 Type A M10 x 1.



(Fig A)

Material – Low Density Polyethylene

Colour – Red

Service Condition – Suitable for Sour Service conditions in Offshore Oil Field Equipments.

Product: Plastic End Cap for Grease Nipple M10

For better understanding of the requirement. 3D and usage images are shown below



Other Requirements -

- ◆ Guarantee certificate and compliance to be provided along with supply.
- ◆ Supplier to quote Part number of offered item and Detailed Technical Specification of the item.

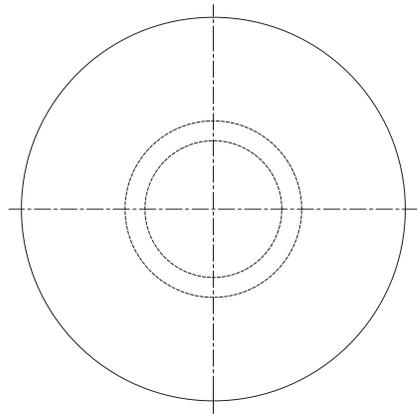
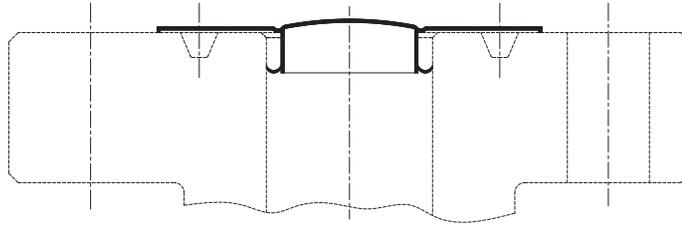
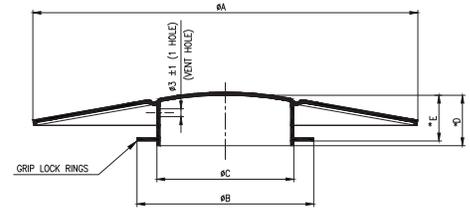
Signature			
Name	P.Arunkumar	R.Elayaraja	C.Kathirvelu
Designation	Sr.Engineer	Manager	AGM
Date	07 October 2016	07 October 2016	07 October 2016
Action	Prepared By	Checked & Reviewed By	Approved By

20267-V-0000-0000-Z
DRAWING NO

ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT DCP / DP

Sl. No.	DRAWING NUMBER	FLANGE RATINGS	END CAP SIZE (mm)	MATERIAL SPECIFICATION	MATERIAL CODE	DIMENSIONS (mm)			Wt / kg	REMARKS
						ØA	ØB	ØC		
01	2-V-4124-20267 /0	2-1/16" - 2M, 3M, 5M, 10M, 15M	50		96 469 974 0000	122	56	43.4	0.001	
02	2-V-4592-20267 /0	2-9/16" - 2M, 3M, 5M, 10M, 15M	65		96 469 975 0000	144	69	62	0.002	
03	2-V-4134-20267 /0	3-1/8" - 2M, 3M, 5M, 10M, 15M	80		96 469 976 0000	159	83	73	0.003	
04	2-V-4778-20267 /0	4-1/16" - 2M, 3M, 5M, 10M, 15M	100		96 469 977 0000	192.5	105	97.6	0.005	
05	2-V-4114-20267 /0	5-1/8" - 2M, 3M, 5M, 10M, 15M	130		96 469 978 0000	260	156	135	0.007	

LINEAR LOW DENSITY POLYETHYLENE (COLOUR : BLUE)



NOTES:

- ALL OTHER DIMENSIONS & DETAILS (e, THICKNESS, FINISHING, DIMANSIONS E & D, RADIUS AND ANGLE) AS PER SUPPLIER'S SCOPE.
- TEST CERTIFICATE FOR END COVERS SHOULD BE PROVIDED.

END CAP ASSY DETAILS

MINIMUM REQUIRED PROPERTIES :

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
DENSITY (23°C)	ASTM D 1505	g/cc	0.926
MF1 (190ø / 2.19kg)	ASTM D 1238	g/10 min	50
TENSILE YIELD STRENGTH	ASTM D 638	MPa	11.5
ELONGATION AT BREAK	ASTM D 638	%	600
FLEXURAL MODULUS	ASTM D 790	MPa	250
FLEXURAL MODULUS	ASTM D 1525	°C	97

APPLICATIONS :

END CAPS ARE USED TO PROTECT THE BODY SEALING GROOVE AREA FROM CONTAMINATIONS OF ENVIRONMENT.

NO	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		FOR OFE FLANGES							
BHARAT HEAVY ELECTRICALS LTD. UNIT: HIGH PRESSURE BOILER PLANT, TIRUCHIRAPPALLI-620014.		DRN	R.NATARAJAN	SIGN	R.N	DATE	20-08-2016	NO.OF	VAR.
DEPT	30-120	CHD	P.ARJUNKUMAR	P.A	20-08-2016	APPD	R.ELAYARAJA	R.E	20-08-2016
SCALE	N T S	WEIGHT (KG)	REFERENCE INFORMATIONS						
CODE	340	CARD CODE	U 01	DRAWING NO.	2-V-0000-20267		REV	0	
TITLE		FLANGE END CAP (PLASTIC)							

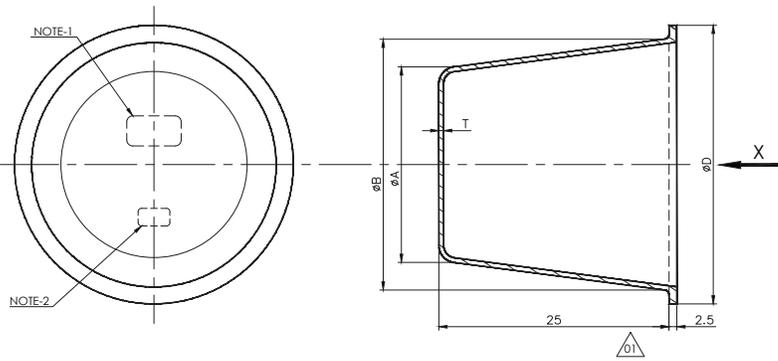
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DCP No.	ALTERED	APPD
REV	CHD	DATE
ZONE		



0210-6119
DRAWING NO.

FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD. NO TP 023 0299



NOTES:-

1. STAMP THE EMBLEM ACCORDING TO AA 040 11 21 IN THE DIRECTION 'X'.
2. STAMP THE APPROPRIATE NOM. SIZE IN THE DIRECTION 'X'.
3. **MATERIAL:** UREA FORMALDEHYDE CONFIRMING TO IS:3389 (OR) POLY VINYL CHLORIDE (PVC) (OR) HIGH DENSITY POLY ETHELNE (HDPE).
4. THE TUBE END COVERS SHALL BE FLEXIBLE TO FIT SNUGLY IN TO THE TUBE AND WITHSTAND SHOCK DURING TRANSIT OF THE TUBES.
5. **COLOUR:** THE TUBE END COVERS SHALL BE OF WHITE IN COLOUR OF VIRGIN QUALITY MATERIAL.
6. THE CORNERS SHALL BE SUITABLY RADIUSED.
7. SPECIFICATION SHALL BE EMBOSSED ON INNER SURFACE OF THE END CAP AND NEAR TO SIZE OF THE CAPS AS FOLLOWS:
FOR SPECIFICATION:
i) UREA FORMALDEHYDE CONFIRMING TO IS:3389 EMBOSSED AS "UF".
ii) POLY VINYL CHLORIDE EMBOSSED AS "PVC".
iii) HIGH DENSITY POLY ETHELNE EMBOSSED AS "HDP".

EMBLEM SIZE	A	B	D	T	VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT WEIGHT	ZONE
										VAR NO	MATERIAL SPECN	DI	QUANTITY
25	66	72	78	1.5	21		TUBE END COVER INT DIA 69		6119 0120 41		22 073 646		0.015
25	63	69	75	1.5	20		TUBE END COVER INT DIA 66		6119 0120 40		22 074 476		0.014
15	60	66	72	1.5	19		TUBE END COVER INT DIA 63		6119 0120 39		22 074 475		0.014
15	57	63	69	1.5	18		TUBE END COVER INT DIA 60		6119 0120 38		22 074 474		0.013
15	54	60	66	1.5	17		TUBE END COVER INT DIA 57		6119 0120 37		22 074 473		0.012
15	51	57	63	1.5	16		TUBE END COVER INT DIA 54		6119 0120 36		22 074 472		0.012
15	48	54	60	1.5	15		TUBE END COVER INT DIA 51		6119 0120 35		22 074 471		0.009
15	45	51	57	1.5	14		TUBE END COVER INT DIA 48		6119 0120 34		22 074 470		0.008
15	42	48	54	1.5	13		TUBE END COVER INT DIA 45		6119 0120 33		22 074 469		0.008
-	39	45	51	1.5	12		TUBE END COVER INT DIA 42		6119 0120 32		22 074 468		0.007
-	36	42	48	1.5	11		TUBE END COVER INT DIA 39		6119 0120 31		22 074 467		0.006
-	33	39	45	1.5	10		TUBE END COVER INT DIA 36		6119 0120 30		22 074 466		0.006
-	30	36	42	1.5	09		TUBE END COVER INT DIA 33		6119 0120 29		22 074 465		0.005
-	27	33	39	1	08		TUBE END COVER INT DIA 30		6119 0120 28		22 074 464		0.004
-	24	30	36	1	07		TUBE END COVER INT DIA 27		6119 0120 27		22 074 463		0.004
-	21	27	33	1	06		TUBE END COVER INT DIA 24		6119 0120 26		22 074 462		0.004
-	18	24	30	1	05		TUBE END COVER INT DIA 21		6119 0120 25		22 074 461		0.003
-	15	21	27	1	04		TUBE END COVER INT DIA 18		6119 0120 24		22 074 460		0.002
-	12	18	24	1	03		TUBE END COVER INT DIA 15		6119 0120 23		22 074 459		0.001
-	9	15	21	1	02		TUBE END COVER INT DIA 12		6119 0120 22		22 074 458		0.001
-	6	12	18	1	01		TUBE END COVER INT DIA 9		6119 0120 21		22 074 457		0.001

REV	DATE	ALTERED	BY	DATE	ALTERED	BY	DATE	ALTERED	BY	
03	26.04.16	CHD & APPD : N.K		02	01.07.93	CHD & APPD : T.K		01	31.03.83	CHD & APPD : T.K
NOTE NO. 3 & 5 ALTERED NOTE NO. 7 ADDED. CONVERTED TO AUTOCAD DWG.			NOTE 5 ALTERED, LETTER REF NO. MM: MPL:BPS:0764 DATED 18.06.93			EMBLEM SIZE 15 WAS 25 WIDTH SIZES REINTRODUCED.				

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

Bharat Heavy Electricals Ltd
UNIT: HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI - 620014

DEPT: SS
CODE: 850

SCALE: NTS

WEIGHT (Kg): REFER UNIT WT.

REF TO ASSY / OLD DWG: BPS 517501

TITLE: **TUBE END COVER (INTERNAL TYPE)**

DRAWING NO: **6119-0120**

REV: **03**

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SRN	NAME	SIGNATURE	DATE
CHD	T.K	-Sd-	01.09.1982
APPD	S.K	-Sd-	01.09.1982

Schedule of Deviation

Ref: RCNECV2578

Item Sl. No	Material Code	Material Description	Drawing No/Rev No	Quantity (Nos)*	Delivery Period from PO date	Schedule of deviation, if any
1	220710090000	END COVER-1395	2V139501767/01	700	8 Weeks	
2	220710140000	END COVER-2341	2V234101767/01	250	8 Weeks	
3	220710150000	END COVER-2302	2V230201767/01	200	8 Weeks	
4	220710170000	END COVER-0203	2V020301767/01	50	8 Weeks	
5	220710270000	END COVER-0187	2V018701767/01	50	8 Weeks	
6	220710300000	END COVER-0191	2V019101767/01	50	8 Weeks	
7	220710380000	END COVER-2226	2V222601767/01	100	8 Weeks	
8	220710400000	END COVER-1370	2V137001767/01	300	8 Weeks	
9	220710410000	END COVER-1371	2V137101767/01	100	8 Weeks	
10	220710420000	END COVER-1372	2V137201767/01	300	8 Weeks	
11	220710430000	END COVER-1373	2V137301767/01	500	8 Weeks	
12	220710480000	END COVER-1387	2V138701767/01	50	8 Weeks	
13	220710520000	END COVER-1378	2V137801767/01	700	8 Weeks	
14	220710530000	END COVER-1379	2V137901767/01	250	8 Weeks	
15	220710540000	END COVER-1380	2V138001767/01	250	8 Weeks	
16	220710550000	END COVER-1381	2V138101767/01	700	8 Weeks	
17	220710570000	END COVER-1383	2V138301767/01	300	8 Weeks	
18	220710680000	END COVER-0354	2V035401767/01	50	8 Weeks	
19	220710690000	END COVER-2214	2V221401767/01	500	8 Weeks	
20	220734950000	END COVER-5901	4V590104866/02	100	8 Weeks	
21	220734960000	END COVER-5902	4V590204866/01	25000	8 Weeks	
22	220734970000	END COVER-5903	4V590304866/02	4000	8 Weeks	
23	220734980000	END COVER-5904	4V590404866/01	60000	8 Weeks	
24	220734990000	END COVER-5906	4V590604866/01	10000	8 Weeks	
25	220735000000	END COVER-5907	4V590704866/01	10000	8 Weeks	
26	964523540000	END COVER-5900	4V590004866/01	1000	8 Weeks	
27	964152070000	STD.HARD BOARD-7520	3V752010612/00	200	8 Weeks	
28	964529380000	END COVER.21-1/4-4127	3V412707724/01	500	8 Weeks	
29	964529400000	END COVER13-5/8-3M-4112	3V411207724/01	500	8 Weeks	
30	964529410000	END COVER20-3/4-4832	3V483207724/01	50	8 Weeks	

Scope of Supply

Ref: RCNECV2578

Item Sl. No	Material Code	Material Description	Drawing No/Rev No	Quantity (Nos)*	Delivery Period from PO date	Schedule of deviation, if any
31	964529420000	HBD END COVER2-1/16--4879	3V487907724/01	1000	8 Weeks	
32	964529430000	HBD END COVER-2-9/16--4881	3V488107724/01	500	8 Weeks	
33	964529440000	END COVER.3-1/8--4882	3V488207724/01	1500	8 Weeks	
34	964529450000	HBD END COVER4-1/16--4733	3V473307724/01	100	8 Weeks	
35	964529460000	END COVER7-1/16--4109	3V410907724/01	1500	8 Weeks	
36	964529470000	END COVER 11-5M-4259	3V425907724/01	2000	8 Weeks	
37	964529480000	END COVER13-5/8-5M-4265	3V426507724/01	1500	8 Weeks	
38	964529500000	END COVER 7-10M-4269	3V426907724/01	300	8 Weeks	
39	964529510000	END COVER13-10M-4369	3V436907724/01	50	8 Weeks	
40	964529570000	TUBE END COVER-4171	4V417107575/00	250	8 Weeks	
41	964651780000	END COVER-C764	4VC76426558/00	500	8 Weeks	
42	964690610000	HBD END COVER.3-1/16-4J71	3V488207724/01	50	8 Weeks	
43	964699680000	END CAP FOR 2-1/16" FLANGE	2V412420264/00	3000	8 Weeks	
44	964699690000	END CAP FOR 2-9/16" FLANGE	2V459220264/00	1500	8 Weeks	
45	964699700000	END CAP FOR 3-1/8" FLANGE	2V413420264/00	500	8 Weeks	
46	964699730000	END CAP FOR M10 GREASE NIPPLE	SPEC/OF/104/00	10000	8 Weeks	
47	964699740000	END CAP FOR 2-1/16" FLANGE WITH SINGLE R	2V412420267/00	300	8 Weeks	
48	220736460000	TUBE END COVER INT.DIA 69- BPS:6119-0120	6119-0120	2500	8 Weeks	
49	220744580000	TUBEENDCOVER INT DIA 12 BPS:6119-012-022	6119-0120	500	8 Weeks	
50	220744590000	TUBE ENDCOVERINT DIA 15 BPS:6119-012-023	6119-0120	100	8 Weeks	
51	220744600000	TUBE ENDCOVERINT DIA 18 BPS:6119-012-02	6119-0120	1500	8 Weeks	
52	220744640000	TUBE ENDCOVER INT DIA 30BPS:6119-012-028	6119-0120	3000	8 Weeks	
53	220744690000	TUBEENDCOVER INT DIA 45 BPS:6119-012-033	6119-0120	1000	8 Weeks	
54	220744730000	TUBEENDCOVER INT DIA 57 BPS:6119-012-037	6119-0120	1500	8 Weeks	
55	220744740000	TUBE ENDCOVERINT DIA 60 BPS:6119-012-038	6119-0120	200	8 Weeks	
Total quantity				151600		

Seal and Signature of authorized signatory

BHARAT HEAVY ELECTRICALS LIMITED
Tiruchirapalli-620014

Pre-Qualification Requirement for Tender –RCNECV2578

1. Bidder (OEM / Authorised Reseller / Distributor) shall submit the supply records for items manufactured with each type of materials indicated in the drawings:

- To fulfil this criteria Bidder shall submit previous PO of same or identical items / superior items not more than 5 years old from date of part 1 bid opening.

2. Bidders to provide a Conformance to requirements:

- To fulfil this criteria Bidder to Confirm compliance to all the requirements mentioned in this purchase specification

3. Bidders are requested to detail out the deviations from this specification while submitting the offer. Even If no deviation is taken, vendor shall explicitly mention “No Deviation”.

4. Authorised Resellers / Distributors to submit “Authorised Reseller / Distributor certificate” mandatorily

Seal and Signature of authorized signatory

Certificate to be provided on vendor letterhead

DECLARATION

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we, (supplier name) are local supplier meeting requirement of minimum local content (---%) defined in as above orders for the following Enquiry SI Nos of BHEL Enquiry No **RCNECV2578**

- Mention Enquiry SI Nos –

Details of location at which local value addition will be made is as follows:

.....

.....

By issuing this declaration, we understand and are in acceptance to the following-

- False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- In case of debarment by any procuring entity for violation of the provisions of the Public Procurement (Preference to Make in India), Order 2017 we shall not be eligible for preference for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, the debarment takes effect prospectively from the date of uploading on the website(s) of The Department of Expenditure, GOI in such a manner that ongoing procurements are not disrupted.
- We undertake the onus of responsibility of submission of appropriately certified documents. We understand that BHEL is not at liability to verify the contents and will not be responsible for the declaration made by us. However, in case BHEL has any reason to doubt the authenticity of the local content, BHEL reserves the right to obtain the complete back up calculations before award of contract and we are liable to submit the same if requested by BHEL. We also understand that our bid is liable for rejection in case we fail to submit the details as requested by BHEL.

Date

Seal and Signature of authorized signatory



BHARAT HEAVY ELECTRICALS LTD

VALVES PURCHASE

Trichy - 620 014, India

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1. QUOTATIONS:

- a. BID system:** Offers are invited in any one of the below formats. The No. of bids to be submitted is mentioned in "Confirmation to the Terms and Conditions" attached.
- Two part bid:** The offers are invited in Two part bid system (Part I will be Techno-commercial bid and part II will be Price Bid). Techno-commercially suitable vendors alone will be intimated for price bid opening.
 - Single part bid:** The offers are invited in Single part bid system (Price Bid alone). The vendor shall confirm to all of BHEL's technical & commercial conditions.

b. Submission of offer:

- Offer called through e-Procurement mode:** The bidder shall submit the bid online in BHEL e-Procurement portal at

<https://eprocurebhel.co.in/nicgep/app>

The bidder would be required to register on the above e-procurement portal for submitting their bids. Offers through email and hardcopy are not acceptable.

- ~~Offer called through Non e-Procurement mode:~~ Each part of offer should be sent in a double cover separately and the same should be sealed and super scribed with details such as enquiry reference, name of the vendor, item of supply and due date of opening. Two or more quotations should not be sent in one cover. Price Bid should contain only "Price per unit" for each type. Offer should be sent to the below mentioned address:

The Tender Opening Cell / Valves
Room No.-26, Building-24
Bharat Heavy Electricals Limited
Tiruchirappalli-620014, Tamil Nadu, India
Or
Email ID: tender_cell@bhel.in

- ~~Late offers:~~ Offer received after 2.00 pm on due date will be considered as Late offers. Late offers will not be considered under any circumstance.
- Regulations:** Offers should be free from correction and erasures. Corrections if any must be attested. All amounts shall be indicated both in words as well as figures. In case of a difference between the amount quoted in words and figures, the amount quoted in words shall prevail.
- PVC:** Price Variation clause not acceptable. Prices should be firm.
- Catalogue:** Manufacturer's name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation.
- Samples:** Samples should be submitted separately, if specially requested in tender, before the due date of the enquiry. They should be clearly marked with the enquiry reference and date on the enclosing cover to facilitate identification.
- GST Number:** GST registration number, HSN number (Item wise) with applicable taxes should be mentioned in the offer. If the vendor is not GST registered the offer is liable for rejection.
- Deviation.** Any deviations from the specification are to be furnished separately as "Schedule of Deviation". If there is no deviation, vendor should indicate "No Deviation" in the offer.
- Confirmation:** Confirmation for compliance is to be given in the offer for all the techno commercial conditions specified in the tender.



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2. COMMERCIAL TERMS & CONDITIONS:

a. Terms of Payment:

If the materials are receivable at BHEL Stores, Trichy:

Indigenous Supplier (Non-MSME):

Payment term is 100% direct Payment on 90th day from day from Vehicle/Gate entry date.

(or)

Payment term is 100% direct payment on 90th day from Vehicle/Gate entry date and against 10% PBG valid for the warranty period. (if PBG is applicable)

Indigenous Supplier (Medium Enterprise):

Payment term is 100% direct Payment on 60th day from day from Vehicle/Gate entry date.

(or)

Payment term is 100% direct payment on 60th day from Vehicle/Gate entry date and against 10% PBG valid for the warranty period. (if PBG is applicable)

Indigenous Supplier (MSE): 100% payment on 45th day from Vehicle/Gate entry date

If the materials are receivable at site:

Indigenous Supplier (Non-MSME):

Payment term is 100% direct payment on 90th day from the date of dispatch against site acknowledgement (if PBG is applicable)

(or)

Payment term is 100% direct payment on 90th day from the date of dispatch against site acknowledgement and against 10% PBG valid for the warranty period (if PBG is applicable)

Indigenous Supplier (Medium Enterprise):

Payment term is 100% direct payment on 60th day from the date of dispatch against site acknowledgement (if PBG is applicable)

(or)

Payment term is 100% direct payment on 60th day from the date of dispatch against site acknowledgement and against 10% PBG valid for the warranty period (if PBG is applicable)

Indigenous Supplier (MSE): Payment will be as per MSMED Act, 2006.

100% direct EFT Payment on 45th day from the date of dispatch against site acknowledgement and against 10% PBG valid for the warranty period (if PBG is applicable)

For Foreign Suppliers: Payment term is 100% payment on CAD basis after 60 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.

~~If supplier insists for LC, only Usance LC with 60 days' credit will be opened, one month prior to material readiness, Further loading will be considered @ 1.5% on the offered value. Hence, supplier shall intimate the material readiness accordingly for opening LC. LC validity period will be 90 days and for any extension, applicable charges will be to suppliers account.~~

~~Any deviation in the above payment terms, any other conditions in payment terms or any other payment terms will not be accepted and offers will not be considered.~~



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For New Suppliers: For new suppliers not registered with BHEL, Trichy for the product, payment shall be made 60 days after receipt and acceptance of materials.

~~In case of foreign supplier, first lot of mutually agreed quantities shall be supplied with payment as CAD basis after 60 days from the date of receipt and acceptance of material. If insisted for LC after acceptance of first lot, only usance LC with 60 days' credit will be opened one month prior to material readiness.~~

b. Liquidated Damage:

Liquidated damages shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. **Vehicle/Gate entry date** will be reckoned for the purpose of LD calculation.

Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).

c. Delivery Terms:

For Indigenous Suppliers: FOR BHEL Trichy inclusive of freight and insurance

For Foreign Suppliers: CFR/CIF Chennai seaport as per Incoterms 2010.

- d. **Validity of Offer:** Prices should be fixed and should be valid for period as mentioned in the "Confirmation to the Terms and Conditions" attached.
- e. **Delivery period:** Delivery schedule will be as mentioned in the "Confirmation to the Terms and Conditions" attached.
- f. **Guarantee period:** The vendor shall give a guarantee for the performance of his supplies for a period of **eighteen months** from the date of dispatch or **twelve months** from the date of commissioning whichever is earlier.
- g. **Miscellaneous:** Any conditions which might have been quoted by the seller and are in contravention to the terms of PO and which have not been specifically accepted by Purchaser will not be applicable to the contract/PO.
- h. **Performance Bank Guarantee:** If tender calls for Performance Bank Guarantee, vendor should provide a performance bank guarantee (PBG) in BHEL format for 10% of the total Purchase order value valid for warranty/guarantee period with an additional claim period of 2 months. PBG should be issued from list of consortium banks.
- i. **Counter Offering:** If counter offering is applicable for the enquiry, the L1 rates will be counter-offered to other eligible vendors as per below points
- In case there are only two qualified offers for any item, the L1 rate will be counter-offered to the L2 vendor.
 - In case of more than two qualified offers for any item, the L1 rates will be counter-offered to maximum (n-1) vendors (where 'n' is the no. of techno-commercially qualified vendors) or the no. of vendors required (as mentioned in the "Confirmation to the Terms and Conditions" attached), whichever is lower.
 - In case a lower ranked vendor does not accept the counter-offered rates, the rates may be offered to next higher ranked vendor.
 - The manner of splitting of the enquiry quantity across L1 and counter-offer accepted vendors will be as per the ratios mentioned in the "Confirmation to the Terms and Conditions" attached.

3. COMPLIANCE / ACCEPTANCE REQUIRED FOR FOLLOWING POINTS TO ENSURE INPUT TAX CREDIT

Indigenous suppliers:



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GOODS & SERVICE TAX (GST) REGISTRATION & COMPLIANCE

- a. Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration Number (GSTIN) which should be clearly mentioned in the offer. If the dealer is exempted from GST registration, a declaration with due supporting documents need to be furnished for considering the offer. Dealers under composition scheme should declare that he is a composition dealer supported by the screen shot taken from GSTN portal. The unregistered dealer as well as the composition dealer has to submit an undertaking stating that they will not claim GST during the execution of the contract even if their status under GST changes to regular tax payer. The dealer has to submit necessary documents if there is any change in status under GST.
- b. Supplier shall mention their GSTIN in all their invoices (incl. credit Notes, Debit Notes) and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No. which is linked/uploaded in GSTN network shall be clearly indicated), Billed to party (with GSTIN) & Shipped to party details, item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, Place of Supply etc. Wherever E-Invoice is applicable, the tax invoice/ CN / DN submitted by the vendor must contain the QR code generated in E-Invoice Portal & IRN.
- c. All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code)
- d. Invoices will be processed only upon completion of statutory requirement and further subject to following:
 - a. Vendor declaring such invoice in their GSTR-1 Return/ IFF
 - b. Receipt of Goods or Services and Tax invoice by BHEL
- e. As the continuous uploading of tax invoices in GSTN portal (in GSTR-1/ IFF) is available for all (i.e. both Small & Large) tax payers, all invoices raised on BHEL may be uploaded immediately in GST portal on dispatch of material /rendering of services. The supplier shall ensure availability of Invoice in GSTN portal before submission of invoice to BHEL. Invoices will be admitted by BHEL only if the invoices are available in GSTN portal (in BHEL's GSTR-2A & GSTR-2B).
- f. In case of discrepancy in the data uploaded by the supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note or debit note (details also to be uploaded in GSTN portal) for the shortages or rejections in the supplies or additional claims, within the calendar month informed by BHEL.
- g. In cases where invoice details have been uploaded by the vendor but failed to remit the GST amount to GST Department (Form PMT-06 or GSTR-3B to be filed) within stipulated time, then GST paid on the invoices pertaining to the month for which GST amount not remitted by the vendor will be withheld from other payments of the vendor / recovered from the vendor.



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- h.** In case GST credit is denied to BHEL due to non-receipt or delayed receipt of goods and/ or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount claimed in the invoice shall be disallowed to the vendor.
- i.** Where any GST liability arising on BHEL under Reverse Charge (RCM), the vendor has to submit the invoices to BHEL well within the timeline prescribed in GST Law, to enable BHEL to discharge the GST liability. If there is a delay in submission of invoice by the vendor resulting in delayed payment of GST by BHEL along with Interest, then such Interest payable or paid shall be recovered from the vendor.
- j.** GST TDS will be deducted as per Section 51 of CGST Act 2017 and in line with Notification 50/2018- Central Tax dated 13.09.2018. GST TDS certificate will be generated in GSTN portal subsequent to vendor accepting the TDS deduction in the GSTN portal & the vendor can directly download the Certificate from the GSTN Portal
- k.** In case of orders for supply of goods, the vendor must submit the E-Way Bill (with Part-B filled) generated in the E-Way Bill portal, used for transportation of goods for the respective tax invoice.

4. SPECIAL PROVISIONS FOR MICRO AND SMALL ENTERPRISES (MSE):

- a.** 25% of the tendered quantity is earmarked for MSE suppliers (**Manufacturers only**) in this tender.
- b.** If L1 vendor (or) Counter offer accepted vendor/s is from a Micro / Small enterprise which put together covers 25% of the total tendered quantum, the 25% earmarking provision is not applicable.
- c.** Out of the 25% tendered quantity reserved for MSE suppliers, 6.25% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs. In the event of failure of such Micro and Small enterprises to participate in the tender process or meet the tender requirements and the L1 price, the 6.25% sub-target for procurement ear-marked MSE owned by SC / ST entrepreneurs shall be met with other MSE enterprise/s.
- d.** 3% reservation for women owned MSEs within the above mentioned 25% reservation. In the event of failure of such Micro and Small enterprises to participate in the tender process or meet the tender requirements and the L1 price, the 3% sub-target for procurement ear-marked MSE owned by women entrepreneurs shall be met with other MSE enterprise/s. The definition for MSEs owned by Women Entrepreneurs is clarified as:
 - i.** In case of proprietary MSE, proprietor shall be woman.
 - ii.** In case of partnership MSE, the women partners shall be holding at least 51% share in the unit.
 - iii.** In case of private limited companies, at least 51% share shall be held by the women promoters.
- e.** In case MSE vendor participating in the tender quotes within the price band of LI +15%, they will be allowed to supply the portion of the requirement subject to acceptance of LI price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately, provided the available quantum can be split.
- f.** In a tender where both MSE and Non-MSE Vendors have participated and non-MSE Vendor has become the lowest bidder and the quantum envisaged in the tender cannot be split, then the MSE vendor will be given preference for ordering the 100% quantum provided the MSE vendor quoted price is within L1 + 15%, and if the MSE vendor accepts the L1 rate.
- g.** MSE suppliers can avail the intended benefits only if,
The vendor submits along with offer, a copy of the UDYAM certificate (Micro or small).

Definitions of MSEs owned by SC/ST is under:

- i.** In case of proprietorship firm, proprietor must be SC/ST.
- ii.** In case of partnership firm, the SC/ST partners must be holding at least 51% shares in the unit.
- iii.** In case of private limited companies, at least 51% share must be held by SC/ST promoters.



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- iv. The caste/Tribe/Community certificate issued by the following authorities in the prescribed form for SCs/STs can be considered.
- h. Authorized to Issue SC/ST certificate:
 - i. District Magistrate/Additional District Magistrate/Collector/Deputy commissioner/Additional Deputy Commissioner/Deputy collector/1st class stipendiary magistrate/Sub divisional Magistrate/Taluka Magistrate/Executive magistrate/Extra Assistant commissioner.
 - ii. Chief Presidency magistrate/Additional chief presidency magistrate/Presidency magistrate.
 - iii. Revenue Officer not below the rank of tehsildar.
 - iv. Sub-Divisional officer of the area where the individual and / or his family normally resides.
- i. To avail the benefits of MSE under SC/ST category, the related documents as stated above should be submitted along with tender documents.

5. GENERAL CONDITIONS

- a. The manner of finalization will be as mentioned in the "Confirmation to the Terms and Conditions" attached. Separate orders will be released for each project and documents should be supplied for each order separately.
- b. BHEL reserves the right to reduce the tender quantity and to NOT to order for some or all material based on the changes in project.
- c. BHEL shall have the right to visit vendor works during the execution of contract along with end customer for verifying status, inspection and testing of the material.
- d. BHEL reserves the right to negotiate or re-float the tender in case the quoted prices are not acceptable.
- e. Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.
- f. BHEL reserves the right to reject the offer of a particular bidder due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units.
- g. The Drawings and Technical documents given in this enquiry are the sole property of BHEL. This should not be misused in any form.
- h. Purchase Order, PO Item serial number, Material code, Quantity should be clearly marked on the packing
- i. Confirmation for compliance is to be given in the offer for all the conditions specified above and to the respective Purchase Specification.
- j. The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL fraud prevention policy (refer www.bhel.com) and shall immediately bring to the notice of the BHEL management about any fraud or suspected fraud as soon as it comes to their notice.
- k. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the **Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020**. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. **Non - Local suppliers as per MII order dated 04.06.2020** are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. In case



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Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

- l.** The bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular for prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.
- m.** Any change in applicable rates of Tax or any other statutory levies (Direct / Indirect) or any new introduction of any levy by means of statute and its corresponding liability for the deliveries beyond the agreed delivery date for reasons not attributable to BHEL will be to vendors account. BHEL will not reimburse the same and any subsequent claim in this respect will be summarily rejected.

6. DOCUMENTATION:

- a. With Consignment:** Duplicate for transporter copy, Original Invoice, Packing List, Delivery Challan, O&M manual (if applicable) Material Test Certificate, Test Certificates, Compliance Certificate, Guarantee/Warranty Certificate and other documents mentioned in PO/TDC/Drawing.
- b. To Purchase:**
 - i.** FOR BHEL TRICHY case- Original Invoice, Duplicate for transporter copy, Packing list, LWB and Delivery challan, GST declaration as mentioned in point 3c.
 - ii.** FOR Site case- Original Invoice, Original LWB, Original Packing List, Original IBR documents, Original despatch clearance Certificate and Inspection report, Test certificates as per PO, Original Site Acknowledgment etc.
- c. Identification:** Material code, Purchase Order, PO item serial number, Unique serial number if any should be provided in all despatch documents, materials and packing clearly.

7. TENDER EVALUATION:

- a. Techno-commercial Bid.**
 - i.** All vendors should submit General arrangement drawing, datasheet and C&I diagram (if any) of the offered product
 - ii.** Point by point technical confirmation of all pages of our technical specifications and commercial conditions are required with your sign and seal along with techno commercial offer.
 - iii.** Offers from supplier not having technical capability or not agreed for commercial terms, are liable for rejection.
- b. Price Bid.**
 - i.** Bidders qualified for part I will be intimated for participating in priced bid opening.
 - ii.** L1 bidder will be decided based on landed cost for the equipment to BHEL.

Indigenous Vendors

Total Landed cost/rate for each item = FOR Rate in INR (A) + Applicable Taxes (B) + Loading non-acceptance of commercial terms (C) – Applicable input tax credit (D)

A -Indigenous vendors submit offers on Free on Road (FOR), Stores, HPBP BHEL Trichy in INR.

B -Applicable GST and any other charges quoted by indigenous vendors will be added to the base price.

C -Loading for non-acceptance of payment terms, delivery schedule & liquidated damages (LD) will be added to the F.O.R. value for arriving the landed rate.



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D -However, input tax credit shall be availed for GST, hence the same is excluded for arriving at the landed cost.

Foreign Vendors

Total Landed cost = CFR Rate in INR (A) + Applicable Duties (B) + Incidental Charges (C) + Loading for Container Shipment (D) + Loading for non-acceptance of commercial terms (E)

A - Foreign vendors to submit offers on CFR (Cost & Freight), Chennai port (LILLO – Liner In; Liner Out) basis per item wise in foreign currency, which will be converted to INR by multiplying with the Exchange rate (SBI TT Selling rate) as on the technical bid opening date. If the date of opening happens to be a bank holiday, then the forex rate as on previous bank (SBI) working day shall be taken.

B - Customs duty, Safe guard duty (as per the notification No 02/2014-Customs (SG) dated 13th August 2014) and antidumping duty (as per the notification No 18/2016-Customs (ADD) dated 17.05.2016) as if applicable will be added to the INR price.

C - Incidental charges will be added to the CFR Value. The incidental charge is inclusive of port handling charges, & freight charges for movement from Chennai port to BHEL, Trichy.

D - In case of shipment through containers, if 14 free days for Container detention is not provided in the offer, a loading of 22% on the freight rate per MT shall be considered by BHEL for arriving at the Total Landed Cost.

E - Loading for non-acceptance of payment terms, delivery schedule & Liquidated Damages (LD) will be added to the CFR value for arriving at the landed cost.

iii. In case of tie for the L1 positions,

- In the course of evaluation, if more than one bidder happens to occupy L1 status, effective L1 will be decided by soliciting discounts from respective L1 bidders.
- In case more than one bidder happens to occupy the L1 status even after soliciting discounts, the L1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L1 bidders(s) or their representative(s).
- Ranking will be done accordingly, BHEL's decision in such situation shall be final and binding.

iv. If counter-offer is applicable and before counter offer process, if there is tie for ranking position other than L1 in respective enquiry items, then Lot shall be done to break the tie. Based on the outcome of LOT, subsequent tender ranking will be revised. Load distribution shall be based on revised ranking. The LOT process to break tie in tender ranking will be based on random number generation in MS-Excel sheet.

Tie breaking procedure has been explained below with an example:

There is an item (item sl. no. 210) for which tie breaking has to be conducted. Hence, the lot will be based on random number generation in MS-Excel sheet.

- Item wise excel sheet in which all ranks for which tie is present shall be opened.
- Random number shall be generated against each entry in the excel sheet. Once random number is generated, the values will be frozen against each entry.
- The rank order shall be sorted in the following manner.
Sorting -> 1. Item -> 2. Actual rank -> 3. Random number wise (from lowest to highest).
Once sorting is done, each vendor shall be ranked as per the sorting order.

• Illustration:

Step-1: Before Sorting:

Item No.	Vendor code	ORIGINAL Rank before CO
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210	A	L01
210	B	L02
210	C	L03
210	D	L03
210	E	L04
210	F	L05
210	G	L05
210	H	L06

Step-2: After random number generation

Item No.	Vendor code	ORIGINAL Rank before CO	Random Number
210	A	L01	0.639156
210	B	L02	0.931402
210	C	L03	0.560449
210	D	L03	0.507298
210	E	L04	0.621819
210	F	L05	0.620683
210	G	L05	0.504936
210	H	L06	0.793407

Step-3: Final sorting and revised ranking:

Item No.	Vendor code	ORIGINAL Rank before CO	Random Number	Final Revised Rank
210	A	L01	0.639156	L01
210	B	L02	0.931402	L02
210	D	L03	0.507298	L03
210	C	L03	0.560449	L04
210	E	L04	0.621819	L05
210	G	L05	0.504936	L06
210	F	L05	0.620683	L07
210	H	L06	0.793407	L08

Final revised ranking shall be intimated to vendors. Final revised ranking shall be worked out based on the result of tie-breaking and counter offering process shall be based on the final revised ranking.

L1 rate shall be counter offered to eligible Vendors in respective enquiry items in order of the distinct ranking arrived after tie-breaking process has been concluded.

8. Reverse Auction

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno-commercially qualified bidders.



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Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

Reverse Auction Process:

Reverse Auction will be conducted if two or more bidders are techno-commercially qualified. In case of two or three qualified bidders, there shall be no elimination of H1 bidder (whose quote is highest in sealed envelope price bid). In case of four qualified bidders, the H1 bidder shall be eliminated whereas in case of five qualified bidders, H1 & H2 bidders shall be eliminated. However, in case of six or more qualified bidders are available, RA would be conducted amongst first 50% of the bidders arranged in the order of prices from lowest to highest. Number of bidders eligible for participating in RA would be rounded off to next higher integer value if number of qualified bidders is odd (e.g. if 7 bids are qualified, then RA will be conducted amongst lowest four bidders). However, there will be no elimination of qualified bidders who are MSE or qualifying under PPP-MII, Order 2017, provided their bids are within their respective margin of purchase preference {presently 15% for MSEs and 20% for PPP-MII, or as amended from time to time}.

In case of multiple H1 bidders, all H1 bidders (except MSEs and bidders qualifying under PPP-MII, Order 2017, who are within the margin of purchase preference) shall be removed provided minimum two bidders remain in fray, else no H1 removal.

9. ARBITRATION & CONCILIATION:

Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Head of the BHEL, Trichy.

The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be at BHEL premises, Trichy.

The cost of arbitration shall be borne as per the award of the Arbitrator.

Subject to the arbitration in terms of Clause above, the Courts at TRICHY shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.

Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred by either Party for arbitration to the sole arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the Parties to the dispute,



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provided, however, any Party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the Parties hereto finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

10. IMPORTANT INFORMATION FOR FOREIGN SUPPLIERS:

- a. Port of loading should be indicated in the offer without fail.
- b. Port of discharge should be Chennai Sea/Air Port, India.
- c. The preferred shipment mode "Containerized Cargo or Break Bulk" shall be specified clearly in the offer.
- d. **In case of CFR INCO TERMS - CONTAINERIZED CARGO**
 - i. In case of CFR terms, moved through CONTAINERS (Suppliers should clearly specify this in their offer) it would be presumed by BHEL that the freight charges quoted is on LILO (LINER IN LINER OUT) basis including extra charges, if any, like Container Imbalance Charges, Trade Imbalance charges or any other charges payable to the Liner. No other charges other than the quoted Freight rate will be paid by BHEL excepting applicable Terminal Handling Charges, Container cleaning Charges, DO charges to Shipping Liner at Discharge Port. 14 FREE DAYS for Container detention shall be provided. If any deviation is taken by Tenderer, a loading of 22% on the freight rate per MT shall be considered by BHEL for arriving at the Total Landed Cost.
 - ii. In case of shipment through Containers on CFR basis, the BL should bear the endorsement that "14 free days for Container Detention is applicable".
- e. **In case of CFR INCO TERMS - BREAKBULK CARGO:** In case of CFR terms, moved through BREAK BULK BASIS (Suppliers should clearly specify this in their offer) it would be presumed by BHEL that the freight charges quoted is on LILO (LINER IN LINER OUT) basis. The materials will be Custom cleared from Port itself.
 - i. The Indian Customs imposed, a penalty on late filing of Bill of Entries (Air/Sea Shipments) by the importer. The maximum free time allowed is 24 hrs from the time of arrival of cargo at final port of discharge. Rs.5000/- per day (for Initial 03 days) & Rs.10000/- per day (thereafter)
 - ii. The vendor should furnish the Non-Negotiable Documents (Air Way Bill/Bill of Lading, Commercial Invoice, Packing List, and Certificate of Origin) either by email or post/courier to BHEL well before the landing of cargo at final port of discharge.
 - iii. Vendor will be held responsible for the penalty arises against the late filing of Bill of entry due to:
 - a. Non availability of Non-Negotiable Documents (NNDs) before the cargo arrival
 - b. Discrepancy in documents
 - c. Short landing of Consignments (For shipments on CFR/CPT/CIF/CIP - Chennai Port)
 - iv. All the shipments for the contracts (POs) finalized on CFR -Chennai Port basis
 - a. Delivery Orders involving multiple agencies like liners/freight forwarders are not allowed. There must be a single agency office at the final discharge Port (Chennai) for issuing the Delivery Order to BHEL.
 - b. The detention/demurrage charges arise due to the delay in collection of Delivery Orders from multiple agencies of liner/freight forwarder also whose offices are not at available Chennai, the same amount will be deducted from Vendor's bills only.
 - c. Apart from the normal charges like Terminal Handling Charges, Container cleaning Charges, Delivery Order Charges at final port of discharge no other charges will be borne by BHEL.
 - d. The liner/freight forwarders should be properly communicated by the Vendor for not to claim such charges for issuing Delivery Order. If the liner/freight forwarder claims such charges in their invoices, the same amount will be deducted from the Vendor bills without any prior intimation in order to avoid the delay in Customs clearance. The likely additional/hidden costs or charges are:



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- i. CIC - Container Imbalance Charges/Surcharges
- ii. EIC - Equipment Imbalance Charge/Surcharges
- iii. CAF - Container/Currency Adjustment Factor
- iv. BAF - Bunker adjustment Factor
- v. RDS - Rupee Depreciation Surcharge
- vi. CDS - Currency Depreciation Surcharge

f. Transport Conditions for Import:

The Original Documents (Bill of Lading, Invoice, Packing List, Certificate of Origin & Test Certificate) shall reach BHEL well in advance before the vessel arrival. The soft copies of the above shall be forwarded to BHEL immediately after shipment.

- i. In the event of delayed submission of documents by the supplier, an amount up to 5% of the invoice value will be retained towards demurrage & other charges and the difference if any between actual charges and recovery will be settled separately through supplementary invoice.
- ii. In such cases, the Supplier shall authorize the Steamer / Shipping agent / transporter to freely release the consignment to BHEL by providing a "Surrender Bill of Lading".
- iii. Otherwise, No-objection Certificate shall be issued to the Liner, authorizing BHEL to get the Delivery Order without producing the Original Bill of Lading.
- iv. This is required to ensure avoidance of demurrage at Chennai Sea-port that may arise in case of delayed presentation of documents by the Seller.

Following details to be endorsed in OBL

- i. Import & Export Code (IEC) of importer: 0588138690
- ii. GST Identification No (GSTIN) of importer: 33AAACB4146P2ZL
- iii. Official email id of importer: sivabala@bhel.in ; siyama@bhel.in

d. Indian Agent & Agency commission:

- i. An Indian Agent can represent / submit offer of only one original equipment manufacturer (OEM) against a particular Tender. If any Indian Agent represents two or more than one OEM against the same tender, then the Offer will be rejected.
- ii. The CFR - Cost and Freight Chennai Sea Port, price quoted by the Foreign Bidder shall also include the Agency commission. The bidder shall furnish authenticated copy of the Agency Agreement detailing the precise relationship between them and their mutual interest in the business so as to consider the offer of the Indian Agent for the indigenous portion of the supply. For the main equipment, the offer should be from the Principal / OEM. The bidders have to furnish the original Authorization Letter for the Indian Agent along with the Techno-Commercial Offer.

11. INTEGRITY PACT (IP)

- a. IP is a tool to ensure that activities and transactions between Company and its Bidders/Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

	IEM	Email
	Shri Otem Dai, IAS (Retd.)	iem1@bhel.in
	Shri Bishwamitra Pandey, IRAS (Retd.)	iem2@bhel.in
	Shri Mukesh Mittal, IRS (Retd.)	iem3@bhel.in

- b. If IP is applicable for the enquiry, the IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with the techno-commercial bid (Part-I, in case of two/three part bid). Only



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those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this pact would be a preliminary qualification.

c. Please refer Section-8 of the IP for Roles and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

d. Note:

No routine correspondence shall be addressed to the IEM (phone/post/email) regarding the clarifications, time extensions or any other administrative queries etc. on the tender issued. All such clarifications / issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are provided below

(1)

B Rajendra Prasad Reddy

Manager

Valves Purchase

24 Building, 3rd Floor,

BHEL, Trichy-620014

+91 431 2577813

bppreddy@bhel.in

(2)

Ajay Kumar Gupta

AGM

Valves Purchase

24 Building, 3rd Floor,

BHEL, Trichy-620014

+91 431 2578156

ajaykumar.gupta@bhel.in

12. BHEL Fraud Prevention Policy

- a. The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL fraud prevention policy and shall immediately bring to the notice of the BHEL management about any fraud or suspected fraud as soon as it comes to their notice.
- b. Please refer to <https://www.bhel.com/bhel-fraud-prevention-policy-0>

13. Conflict of interest among bidders:

A bidder shall not have a conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. ***The bidder found to have a conflict of interest shall be disqualified.*** A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a) they have controlling partner (s) in common; **or**
- b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; **or**
- c) they have the same legal representative/agent for purposes of this bid; **or**
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; **or**
- e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; **or**



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- f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following:
1. The principal manufacturer directly or through one Indian agent on his behalf; and
 2. Indian/foreign agent on behalf of only one principal; **or**
- g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; **or**
- h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.

14. Breach of contract, Remedies and Termination:

- a) In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed.
- b) In case the value of the security instruments available is less than 10% of the contract value, the balance amount will be recovered in all or any of the following manners:
- i. from dues available in the form of Bills payable to defaulted supplier against the same contract.
 - ii. from the dues payable to defaulted supplier against other contracts in the same Region/Unit /any other region/unit.
 - iii. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted
 - iv. supplier.
- c) Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., will be applied as per provisions of the contract.

15. Suspension of Business Dealings:

Abridged version of extant 'Guidelines for suspension of business dealings with suppliers/ contractors' has now been uploaded on www.bhel.com on "supplier registration page" at the following link: http://www.bhel.com/vender_registration/vender.php (Guidelines for suspension of business dealings with suppliers/ contractors).



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CONFIRMATION TO TERMS AND CONDITIONS **Enquiry Reference: RCNECV2578**

Vendor Name:

Quotation Reference No. Date:

<u>TERMS & CONDITION</u>	<u>VENDOR's response</u> (strike-off, whichever is not applicable)	<u>VENDOR REMARKS</u> (if any)
a. Vendor Name, Quotation No and date has to be clearly mentioned in both bids		
b. Rate Contract: This is an enquiry for finalization of a Rate Contract (RC) for a period as mentioned in 'Validity of offer' below. This is a value based contract and the quantities mentioned in the enquiry are indicative for the entire RC period. Purchase Orders will NOT be issued for the entire quantum in one lot, whereas POs will be released on a time to time basis during the RC period, based on actual requirement.	Accepted/ Not Accepted	
c. Bidder should give confirmation to BHEL's Technical Specification. Any deviations from the specification are to be furnished separately as "Schedule of Deviation". If there is no deviation vendor should indicate "No Deviation".	No deviation/ Deviation quoted	
d. The offer has to be submitted as a Two-part bid i.e. Part-I: Techno-commercial & Part-II: Price bid Note: This confirmation sheet shall be a part of Techno-commercial bid. Price bid shall only contain the quoted price.	Bid submitted in two parts Yes/ No	
e. The tender will be finalized on item-wise basis	Accepted/ Not Accepted	
f. Terms of Payment: Indigenous Supplier (Non-MSME): 100% payment on 90th day from Vehicle/Gate entry date. Indigenous Supplier (Medium Enterprise): 100% payment on 60th day from Vehicle/Gate entry date. Indigenous Supplier (MSE): 100% payment on 45th day from Vehicle/Gate entry date. Suppliers quoting for MSME payment must produce latest UDYAM registration certificate along with part 1 bid documents.	Accepted/ Not Accepted MSE/ Non-MSE If MSE, mentioned supporting document enclosed in Part-I bid. Yes/ No	
g. Liquidated Damage: Liquidated damages shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.	Accepted/ Not Accepted	
h. Inco Terms: Prices shall be quoted on " FIRM PRICE " basis only. F.O.R / Stores, BHEL Trichy	Accepted/ Not Accepted	
i. Validity of Offer: Prices should be valid for 9 months from the date of finalisation of the rate contract or 12 months from the date of part-1 bid opening, whichever is earlier.	Accepted/ Not Accepted	
j. Delivery period: Delivery period should be 8 weeks from the date of purchase order.	Accepted/ Not Accepted	
k. Guarantee Clause: The vendor shall give a guarantee for the performance of his supplies for a period of eighteen months from the date of dispatch or twelve months from the date of commissioning, whichever is earlier. Any warranty replacement during warranty period shall be supplied free of charge on FOR site basis/destination specified by BHEL	Accepted/ Not Accepted	
l. Local content certificate: Supplier shall submit the local content certificate with self-declaration in part 1 bid documents. (Use format in NIT documents)	Attached/ Not Attached	



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CONFIRMATION TO TERMS AND CONDITIONS **Enquiry Reference: RCNECV2578**

<u>TERMS & CONDITION</u>	<u>VENDOR's response</u> (strike-off, whichever is not applicable)	<u>VENDOR REMARKS</u> <u>(if any)</u>
m. Reverse auction: Reverse Auction (RA) is not applicable for this enquiry.		
n. Counter-offering: Counter-offer is not applicable for this enquiry.		
o. Performance Bank Guarantee: Performance Bank Guarantee is not applicable for this enquiry .		
p. Integrity Pact Integrity pact is not applicable for this enquiry. (Use format in NIT documents)		
q. Collection of rejected items: Items rejected during the course of this RC shall be collected by the supplier from time to time by producing applicable credit note at BHEL Stores. Subsequently, replacements for rejected items and quantities shall be supplied.	Accepted/ Not Accepted	
r. Sequential supply: Purchase orders placed shall be executed chronologically in the order of date of issue i.e., Oldest PO shall be executed first.	Accepted/ Not Accepted	
s. Declaration: It is hereby declared that all the terms and conditions of this rate contract enquiry, as mentioned in General Terms & Conditions in the NIT, have been read, understood and our acceptance without any deviation to the same is confirmed.	Confirmed/ Not confirmed	
Documents/ Records to be submitted along with Part-I bid		
t. Signed and sealed " Scope of Supply " format	Attached/ Not attached	
u. Signed and sealed applicable drawings, Specification of items quoted.	Attached/ Not attached	
v. Signed and sealed " Schedule of Deviation " format. If there is no deviation Bidder should mandatorily indicate "No Deviation" in the "Schedule of Deviation" format.	Attached/ Not attached	
w. Documents supporting to PQR condition	Attached/ Not attached	
x. Signed and sealed General terms and conditions	Attached/ Not attached	
y. Local content declaration in bidder's letter pad, as per attached BHEL format.	Attached/ Not attached	
z. Latest udyam certificate.	Attached/ Not attached	

Details of the bidder's authorised person for contacting w.r.t this tender

Name:	
Designation:	
e-mail id:	
Mobile Number:	

Supplier's Seal and Sign with date