



BHEL
GOINDWAL

(Tender Enquiry No. 1617-068 Dated 23.09.2016 Due date
08.10.2016)

ITEM: Hard Board End Covers

TCMOU No.	<u>1617-006 REV :00</u> <u>dated 22.04.2016</u>
Tender Enquiry No	1617-068
Enquiry date	23.09.2016
Last time and date of tender submission	1500 Hrs 12.10.2016
Tender opening time and date	1530 Hrs 12.10.2016
Quotation Parts	<u>One-part Bid</u>
Item Description	Hard Board End Covers
Item Specification	<u>As per attached Drawing</u>

Documents required along with supply of material	
Test Certificate	Required

This tender is floated on the basis of agreed TCMOU 1617-006 REV :00 dated 22.04.2016 terms. All the tender terms and conditions shall remain same as mentioned in the TCMOU. Any deviation from techno-commercial terms signed in mentioned TCMOU shall not be acceptable to BHEL.

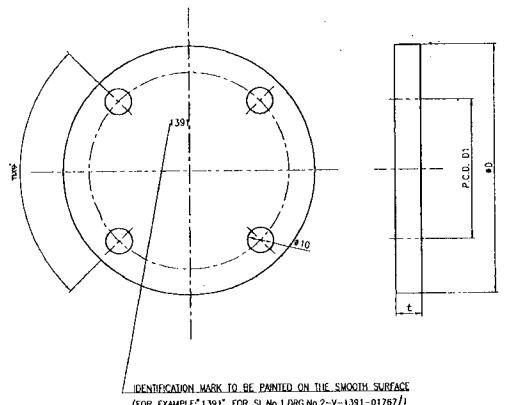
Price Bid Annexure to Enquiry No. 1617-068 Dated 23.09.2016, Due date 08.10.2016

Enq Sl. No.	Code	Description of material	Drq No	Quoted(Yes/No)	Qty (Nos)	Unit Basic Price, Rs. per No. (In figures)	Unit Basic Price, Rs. per No. (In Words)
1	220710460000	END COVER-1376	2V137601767/01	Yes/No	650		
2	220710410000	END COVER-1371	2V137101767/01	Yes/No	425		
3	220710430000	END COVER-1373	2V137301767/01	Yes/No	350		
4	220710400000	END COVER-1370	2V137001767/01	Yes/No	350		
5	220710520000	END COVER-1378	2V137801767/01	Yes/No	225		
6	220710420000	END COVER-1372	2V137201767/01	Yes/No	200		
7	220710570000	END COVER-1383	2V138301767/01	Yes/No	150		
8	220710510000	END COVER-1377	2V137701767/01	Yes/No	100		
9	220710380000	END COVER-2226	2V222601767/01	Yes/No	100		
10	220710300000	END COVER-0191	2V019101767/01	Yes/No	75		
11	220710480000	END COVER-1387	2V138701767/01	Yes/No	50		
12	220710550000	END COVER-1381	2V138101767/01	Yes/No	50		
13	220710680000	END COVER-0354	2V035401767/01	Yes/No	50		
14	220710560000	END COVER-1382	2V138201767/01	Yes/No	50		

Authorised signatory with seal



2-V-0000-01767/04										ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP									
DIMENSIONS										DIMENSIONS									
SL No.	NP	NB	DRG No.	φ D	D1	t	NET WT	MATL CODE		SL No.	NP	NB	DRG No.	φ D	D1	t	NET WT	MATL CODE	
01	NP 10&16	100	2-V-1391-01767/1	215	180	3	4.900	0.117	22071005	48	NP 5	800	2-V-0112-01767/1	975	920	6	12x30	3.864	22071001
02	NP 10&16	125	2-V-1010-01767/1	245	210	3	4.900	0.153	22071006	49	NP 6	1200	2-V-0113-01767/1	1375	1320	6	18x22	7.800	22071002
03	NP 10&16	150	2-V-1373-01767/1	SAME AS IN SL No.-56						50	NP 6	300	2-V-0109-01767/1	435	395	3	6x60	0.486	22071072
04	NP 16	200	2-V-1394-01767/1	335	295	3	6x60	0.286	22071008	51	NP 6	200	2-V-0126-01767/1	360	310	3	6x60	0.329	22071073
05	NP 16	250	2-V-1395-01767/1	405	355	3	6x60	0.420	22071009	52	NP 6	300	2-V-0127-01767/1	485	430	3	8x45	0.602	22071074
06	NP 16	300	2-V-1317-01767/1	460	410	3	6x60	0.542	22071010	53	NP 6	2	2-V-1370-01767/1	152	121	3	4x90	0.050	22071040
07	NP 16	400	2-V-1318-01767/1	580	525	6	8x45	1.350	22071011	54	NP 6	3	2-V-1371-01767/1	190	152	3	4x90	0.082	22071041
08	NP 16	600	2-V-1209-01767/1	840	770	6	8x45	2.850	22071012	55	NP 6	4	2-V-1372-01767/1	229	190	3	4x90	0.120	22071042
09	NP 16	15	2-V-2301-01767/1	95	65	3	4x90	0.021	22071013	56	NP 6	6	2-V-1373-01767/1	279	241	3	4x90	0.180	22071043
10	NP 16	20	2-V-2302-01767/1	105	75	3	4x90	0.027	22071014	57	NP 6	8	2-V-0191-01767/1	SAME AS IN SL No.-29					
11	NP 16	25	2-V-2303-01767/1	115	85	3	4x90	0.032	22071015	58	NP 6	10	2-V-1395-01767/1	SAME AS IN SL No.-5					
12	NP 16	32	2-V-2242-01767/1	135	100	3	4x90	0.044	22071016	59	NP 6	12	2-V-1376-01767/1	483	432	3	6x60	0.544	22071046
13	NP 16	40	2-V-0203-01767/1	145	110	3	4x90	0.051	22071017	60	NP 6	14	2-V-1386-01767/1	533	476	8	6x60	0.854	22071047
14	NP 16	50	2-V-0204-01767/1	150	125	3	4x90	0.063	22071003	61	NP 6	16	2-V-1387-01767/1	597	540	6	8x45	0.824	22071048
15	NP 16	65	2-V-0205-01767/1	180	145	3	4x90	0.080	22071018	62	NP 6	20	2-V-1512-01767/1	695	635	6	10x36	1.200	22071049
16	NP 16	80	2-V-1371-01767/1	SAME AS IN SL No.-54						63	NP 6	24	2-V-1388-01767/1	813	749	6	10x36	1.534	22071050
17	NP 16	100	2-V-1372-01767/1	SAME AS IN SL No.-55						64	NP 6	2	2-V-1377-01767/1	165	127	3	4x90	0.061	22071051
18	NP 16	125	2-V-2228-01767/1	SAME AS IN SL No.-41						65	NP 6	3	2-V-1378-01767/1	209	168	3	4x90	0.098	22071052
19	NP 40	150	2-V-2411-01767/1	300	250	3	4x90	0.225	22071021	66	NP 6	4	2-V-1379-01767/1	254	200	3	4x90	0.147	22071053
20	NP 40	200	2-V-2412-01767/1	375	320	3	6x60	0.356	22071022	67	NP 6	6	2-V-1380-01767/1	317	270	3	6x60	0.232	22071054
21	NP 40	250	2-V-0181-01767/1	445	385	3	6x60	0.503	22071023	68	NP 6	8	2-V-1381-01767/1	381	330	3	6x60	0.336	22071055
22	NP 40	300	2-V-0183-01767/1	510	450	3	8x45	1.031	22071024	69	NP 6	10	2-V-1382-01767/1	444	387	3	8x45	0.457	22071056
23	NP 40	400	2-V-1217-01767/2	635	585	6	8x45	1.709	22071025	70	NP 6	12	2-V-1383-01767/1	521	451	3	8x45	0.630	22071057
24	NP 40	500	2-V-1218-01767/1	755	670	6	8x45	2.279	22071026	71	NP 6	14	2-V-1384-01767/1	584	514	6	10x36	0.784	22071058
25	NP 40	50	2-V-0187-01767/1	175	135	3	4x90	0.075	22071027	72	NP 6	15	2-V-1370-01767/1	SAME AS IN SL No.-53					
26	NP 40	65	2-V-0188-01767/1	200	160	3	4x90	0.100	22071064	73	NP 6	300	2-V-0572-01767/1	440	400	3	6x60	0.52	22071060
27	NP 40	80	2-V-1378-01767/1	SAME AS IN SL No.-65						74	NP 6	400	2-V-0537-01767/1	565	515	6	8x45	1.31	22071061
28	NP 64	100	2-V-0103-01767/1	SAME AS IN SL No.-2						75	NP 6	500	2-V-0538-01767/1	670	620	6	10x36	1.5	22071062
29	NP 64	150	2-V-0191-01767/1	340	280	3	4x90	0.290	22071030	76	NP 6	600	2-V-0539-01767/1	780	725	6	10x36	1.7	22071063
30	NP 64	200	2-V-1395-01767/1	SAME AS IN SL No.-5						77	NP 6	800	2-V-0503-01767/1	1015	950	6	12x30	2.5	22071075
31	NP 64	250	2-V-0182-01767/1	470	400	3	6x60	0.560	22071032	78	NP 6	26	2-V-NB34-01767/1	785	745	6	9x40	1.7	22071076
32	NP 64	300	2-V-0184-01767/1	530	460	3	8x45	1.110	22071033	79	NP 6	28	2-V-NB47-01767/1	835	795	6	10x36	1.9	22071077
33	NP 64&100	15	2-V-2341-01767/1	SAME AS IN SL No.-10						80	NP 6	30	2-V-NB48-01767/1	885	845	6	11x32.7	2.1	22071078
34	NP 64&100	20	2-V-2214-01767/1	SAME AS IN SL No.-43						81	NP 6	32	2-V-NB27-01767/1	940	900	6	12x30	2.3	22071079
35	NP 64&100	25	2-V-2242-01767/1	SAME AS IN SL No.-12						82	NP 6	36	2-V-NB88-01767/1	1170	1085	6	8x45	3.5	22071080
36	NP 64&100	32	2-V-1370-01767/1	SAME AS IN SL No.-53						83	NP 6	36	2-V-NB46-01767	1055	1010	6	11x32.7	2.7	22071081
37	NP 100	40	2-V-1377-01767/1	SAME AS IN SL No.-84						CAUTION: The information on this sheet is for reference only. It must not be used for manufacturing. It is subject to change without notice. It is the responsibility of the customer to verify the dimensions and tolerances of the product before manufacturing. REV 04 DATE 15/02/2020 BY ALDENQ P1 0459 2020 SL NO.83 INCLUDED QMS CORRECTED FOR SL NO.78 TO 82. DCN NO.104 0459									
38	NP 100	50	2-V-1371-01767/1	SAME AS IN SL No.-54															
39	NP 100	65	2-V-1391-01767/1	SAME AS IN SL No.-1															
40	NP 100	80	2-V-1372-01767/1	SAME AS IN SL No.-55															
41	NP 250	100	2-V-2225-01767/1	265	210	3	4x90	0.123	22071038										
42	NP 250	150	2-V-0354-01767/1	350	290	3	6x60	0.207	22071068										
43	NP 250	15	2-V-2214-01767/1	125	90	3	4x90	0.037	22071069										
44	NP 250	25	2-V-0203-01767/1	SAME AS IN SL No.-13															
45	NP 250	40	2-V-0205-01767/1	SAME AS IN SL No.-15															
46	NP 250	65	2-V-2225-01767/1	SAME AS IN SL No.-55															
47	NP 250	250	2-V-0347-01767/1	585	490	3	8x45	1.328	22071039										



MATERIAL SPEC. STANDARD HARD COATD 15.1658									
2	DESCRIPTION	MATL CODE	EXPI. SPEC.	REMARKS	REVISION	DATE	BY	CHKD	APPD.
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
BHARAT HEAVY ELECTRICALS LTD. UNIT: HIGH PRESSURE BOILER PLANT									
DRAWING NO. 2-V-0000-01767/04									
END COVER									
DRAFTSMAN: ALDENQ P1 0459									
DATE: 15/02/2020									
BY: ALDENQ P1 0459									
CHKD: ALDENQ P1 0459									
APPD: ALDENQ P1 0459									
SCALE: N.T.S.									
WEIGHT (KG):									
CARD CODE: U 01									
REFERENCE INFORMATION: CAD REF: C201767									

Handwritten signature and date: 15/02/2020