



BHARAT HEAVY ELECTRICALS LIMITED
INDUSTRIAL VALVES PLANT
433, INDUSTRIAL COMPLEX
GOINDWAL SAHIB
DISTT. TARN TARAN- PUNJAB – 143422

No.BHEL:IVP:
SC:VLV:AD
2017-18/01
Dated
14.08.2017

NOTICE INVITING APPLICATIONS FOR REGISTRATION OF SUB CONTRACTORS

BHARAT HEAVY ELECTRICALS LIMITED [BHEL] is manufacturing Industrial Valves and other Boiler accessories at its Industrial Valves Plant, Goindwal Sahib unit. For financial year 2017-18 we have to manufacture 2250 MT. Vendors are required for Job work as per the enclosed list of items. The approx. value of procurement shall be Rs 25 lac.

Expression of interest and applications for registration are invited from sub-contractors (BHEL encourages procurement from Micro and Small Enterprises (MSEs), MSEs are requested to apply for registration) for doing the machining job of various components of Conventional Valves. Major areas for which subcontractors are required are casting machining, VTL, Horizontal Boring, Turning centre, milling, conventional lathe etc.

HM/LM Valves

Casting Machining of Body, Yoke, Bonnet, Disc, Fabrication of Bypass Tubes and other machining components for HM/LM range of valves. List of components, where machining vendors are required, is attached herewith as Annexure-I. Sample drawings of some components are also attached.

BHEL is looking for prospective Sub Contractors for above detailed job work for BHEL.

BHEL shall evaluate the vendors as per its established vendor selection, evaluation and registration procedure. Supplier Registration can be done online <https://supplier.bhel.in/>

BHEL invites such vendors to visit its above located plant on any working day from Monday to Saturday between 0900 Hrs to 1730 Hrs and contact undersigned for any clarification regarding:

Items details and requirement		Vendor registration form/procedure
Vineet Kumar Dy. Manager (Sub Contracting)	Manmeet Kumar Sr. Engineer (Sub Contracting)	Sahil Malhotra Sr. Engineer (Sub-Contracting)
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BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL VALVES
PLANT, 433, INDUSTRIAL COMPLEX, GOINDWAL SAHIB,
DISTT. TARN TARAN, PUNJAB – 143 422

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
1	G1	Valves	Body Seat Ring Welding	10-C150-GV-CF8/CF8M
2	G46	Valves	Body Seat Ring Welding	2-1/2-C300-GV-CF8M/CF8
3	G88	Valves	Body Seat Ring Welding	3-C150-GV-CF8/CF8M
4	G106	Valves	Body Seat Ring Welding	3-C300-GV-CF8M/CF8
5	G129	Valves	Body Seat Ring Welding	4-C150-GV-CF8M/CF8
6	G145	Valves	Body Seat Ring Welding	4-C300-GV-CF8/CF8M
7	G174	Valves	Body Seat Ring Welding	6-C150-GV-CF8M/CF8
8	G194	Valves	Body Seat Ring Welding	6-C300-GV-CF8/CF8M
9	G199	Valves	Body Seat Ring Welding	8-C150-GV-CF8M/CF8
10	G205	Valves	Body Seat Ring Welding	8-C300-GV-CF8M/CF8
11	G5b	Valves	Body Skim Cut	10-C300-FV BW CF8M /CF8
12	G6b	Valves	Body Skim Cut	10-C300-FV BW WCB/WCC
13	G7b	Valves	Body Skim Cut	10-C300-FV FL WCB/WCC
14	G8b	Valves	Body Skim Cut	10-C300-GV BW CF8M/CF8
15	G11b	Valves	Body Skim Cut	10-C300-GV FL WCB/WCC
16	G14b	Valves	Body Skim Cut	12-C150-GV-BW CF8M/CF8
17	G15b	Valves	Body Skim Cut	12-C150-GV-FL CF8M/CF8
18	G17b	Valves	Body Skim Cut	12-C150-GV-FL WCB/WCC
19	G19b	Valves	Body Skim Cut	12-C300-FV-BW CF8M/CF8
20	G21a	Valves	Body Machining	12-C300-FV-FL-WCB/WCC/WC6/WC9
21	G31b	Valves	Body Skim Cut	14-C300-GV-FL CF8/CF8M
22	G32b	Valves	Body Skim Cut	14-C300-GV-FL WCB/WCC
23	G33b	Valves	Body Skim Cut	14-C300-GV-BW WCB/WCC
24	G39a	Valves	Body Machining	16-C300-GV-FL-WCB/WCC
25	G39b	Valves	Body Skim Cut	16-C300-GV-FL WCB/WCC
26	G40b	Valves	Body Skim Cut	16-C300-GV-BW WCB/WCC/WC6/WC9
27	G41a	Valves	Body Machining	18-C150-GV-FL WCB/WCC
28	G41b	Valves	Body Skim Cut	18-C150-GV-FL WCB/WCC
29	G42a	Valves	Body Machining	18-C150-GV-BW WCB/WCC
30	G42b	Valves	Body Skim Cut	18-C150-GV-BW WCB/WCC
31	G45	Valves	Body Machining	2-1/2-C300-FV-BW-WCB/WCC (Rough)
32	G47	Valves	Body Machining	2-1/2-C300-GV-BW-CF8M/CF8
33	G49	Valves	Body Machining Final	2-1/2-C300-GV- BW- WCB/WCC
34	G50	Valves	Body Rough	2-1/2-C300-GV- BW-WCB/WCC
35	G51	Valves	Body Machining	2-C150-FV-BW-CF8M/CF8
36	G53	Valves	Body Machining	2-C150-FV-BW-WCB/WCC
37	G61	Valves	Body Machining	2-C300-FV-BW-CF8/CF8M
38	G62	Valves	Body Machining	2-C300-FV-FL-CF8/CF8M
39	G64	Valves	Body Machining	2-C300-FV-BW-WCB/WCC
40	G63	Valves	Body Machining	2-C300-FV-FL-WCB/WCC/WC6/WC9
41	G66	Valves	Body Machining	2-C300-GV-BW-CF8/CF8M
42	G70	Valves	Body Machining	2-C300-GV-BW-WCB/WCC/WC6/WC9

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
43	G81	Valves	Body Machining	2-C600-GV-BW-WCB/WCC/WC6/WC9
44	G82	Valves	Body Machining	2-C600-GV-BW-WCB/WCC/WC9 Body From Flgd
45	G100	Valves	Body Machining	3-C300-FV-FL-CF8M/CF8
46	G103	Valves	Body Machining	3-C300-FV-FL-WCB/WCC
47	G104	Valves	Body Machining	3-C300-GV-BW-CF8M/CF8
48	G110	Valves	Body Machining	3-C300-GV-BW-WCB/WCC/WC6/WC9
49	G114	Valves	Body Machining	3-C300-RV-FL-CF8M/CF8
50	G116	Valves	Body Machining	3-C300-RV-FL-WC6/WC9
51	G118	Valves	Body Machining	3-C300-RV-FL-WCB/WCC
52	G133	Valves	Body Machining	4-C150-GV-FL-WCB/WCC NC Body
53	G165	Valves	Body Machining	5-C150-FV-FL-WCB/WCC/WC6/WC9
54	G169	Valves	Body Rough Machining from 6" body	5-C300-GV-BW-WCB/WCC/WC6/WC9
55	G169a	Valves	Body edge preparation only	5-C300-GV-BW-WCB/WCC/WC6/WC9
56	G180b	Valves	Body Machining	6-C150-GV-BW-WCB/WCC NC
57	G182	Valves	Body Machining	6-C150-GV-FL-WCB/WCC NC
58	G182a	Valves	Body Machining	6-C150-GV-FL-HO-CF8M-NC
59	G186	Valves	Body Machining	6-C300-FV-FL-CF8/CF8M
60	G189	Valves	Body Machining	6-C300-FV-FL-WCB/WCC
61	G197b	Valves	Body Machining	6-C300-GV-FL-WCB/WCC NC
62	G203b	Valves	Body Skim Cut	8-C300-GV-FL CF8/CF8M
63	G433	Valves	Body Machining	6-C300-SV-FL-WC6/WC9
64	G435	Valves	Body Machining	6-C300-SV-FL-WCB/WCC/WC6/WC9
65	G440	Valves	Body Machining	8-C150-FV-BW-CF8/CF8M
66	G441	Valves	Body Machining	8-C150-FV-FL-CF8/CF8M
67	G442	Valves	Body Machining	8-C150-FV-BW-WCB/WCC
68	G443	Valves	Body Machining	8-C150-FV-FL-WCB/WCC
69	G450	Valves	Body Machining	8-C300-FV-BW-CF8M/CF8
70	G451	Valves	Body Machining	8-C300-FV-FL-CF8/CF8M
71	G453	Valves	Body Machining	8-C300-FV-BW-WCB/WCC/WC6/WC9
72	G454	Valves	Body Machining	8-C300-FV-FL-WCB/WCC
73	G455	Valves	Body Machining	8-C300-RV-BW-CF8/CF8M
74	G456	Valves	Body Machining	8-C300-SV-FL-CF8/CF8M
75	G457	Valves	Body Machining	8-C300-RV-BW-WCB/WCC
76	G458	Valves	Body Machining	8-C300-RV-FL WCB/WCC
77	G1774	Valves	Body Machining	12" 600 GV FL WCB
78	G1873	Valves	Body Skim Cut	10-C600-GV-FL-WCB
79	G1874	Valves	Body Skim Cut	10-C600-GV-BW-WCB/WCC/WC6/WC9
80	G1882	Valves	Body Skim Cut	12-C600-GV-FL-GO-CF8-BP
81	G1888	Valves	Body Skim Cut	12-C600-GV-BW-GO-WCB/WCC
82	G1891	Valves	Body Skim Cut	16" 300 FV BW WCB

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S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
83	G1897	Valves	Body Skim Cut	20-150-WCB-BW-FV
84	G1902	Valves	Body Skim Cut	20-C150-GV-FL-WCB
85	G1903	Valves	Body Skim Cut	20-C150-GV-BW-WCB
86	G1904	Valves	Body Machining	20-C150-GV-FL-GO-WCB
87	G1909	Valves	Body Skim Cut	20-C300-GV-FL-WCB
88	G1910	Valves	Body Machining	20-C300-GV-BW-MO-WCB
89	G1911	Valves	Body Machining	20-C300-GV-FL-GO-WCB
90	G1916	Valves	Body Skim Cut	24-C150-GV-FL-WCB
91	G1917	Valves	Body Skim Cut	24-C150-GV-BW-MO-WCB
92	G1918	Valves	Body Machining	24-C150-GV-FL-WCB
93	G1919	Valves	Body Machining	24-C150-GV-BW-MO-WCB-BP
94	G1962	Valves	Body Machining	14-C300-WCB-BW-FV/WC9
95	G1963	Valves	Body Skim Cut	14-300-WCB-BW-FV
96	G1998	Valves	Body Machining	16-300-WCB-BW-FV/SPL
97	G2166	Valves	Body Skim Cut	18-C300-GV-BW-GO-WCB
98	G2146	Valves	Body Machining	22-C300-GV-BW-GO-WCB
99	G2008	Valves	Body Machining	20-150SPL-WCB-BW-SCV
100	G1886	Valves	Bonnet Machining	12-C600-GV-FL-GO-CF8-BP
101	G1890	Valves	Bonnet Machining	12-C600-GV-BW-GO-WCB/WCC/WC9
102	G1913	Valves	Bonnet Machining	20-C300-GV-BW-WCB/WC9
103	G1920	Valves	Bonnet Machining	24-C150-GV-FL-WCB
104	G233	Valves	Wedge Slitting	12-C150-GV-CF8M/CF8
105	G234	Valves	Wedge Slitting	12-C150-GV-WCB/WCC
106	G252	Valves	Wedge Slitting	2-C150-GV-CF8/CF8M
107	G257	Valves	Wedge Slitting	2-C150-GV-WCB/WCC/WC6/WC9
108	G258	Valves	Wedge Rough Machining	2-C150-GV-WCB/WCC NC Wedge
109	G262	Valves	Wedge Slitting	2-C300-GV-WCB/WCC/WC9/WC6
110	G264	Valves	Wedge Rough Machining	2-C600-GV-CF8M/CF8
111	G266	Valves	Wedge Rough Machining	2-C600-GV-WCC/WCB/WC9/WC6
112	G288	Valves	Wedge Rough Machining	4-C150-GV-WCB/WCC NC WEDGE
113	G1914	Valves	Wedge Rough Machining	20-C300-GV-BW-GO-WCB-BP
114	G1921	Valves	Wedge Rough Machining	24-C150-GV-BW-MO-WCB
115	G2150	Valves	Wedge Rough Machining	22-C300-GV-BW-GO-WCB
116	G328b	Valves	Yoke Machining (Bonnet)	12-C300-GV-MO-WCB/WCC NC
117	G333	Valves	Yoke Machining	18-C150-GV-MO-WCB/WCC
118	G340	Valves	Yoke Machining	2-C150-SV-HW-CF8/CF8M
119	G367	Valves	Yoke Machining	3-C300-RV-HW-CF8M/CF8
120	G369	Valves	Yoke Machining	3-C300-RV-MO-CF8/CF8M
121	G371	Valves	Yoke Machining	3-C300-RV-MO-WCB/WCC/WC9/WC6
122	G375	Valves	Yoke Machining	3-C600-GV-MO-WC6/WC9
123	G377	Valves	Yoke Machining	3-C600-SV-HW-WCB/WCC
124	G383	Valves	Yoke Machining	4-C150-GV-HW-WCB/WCC NC YOKE
125	G401	Valves	Yoke Machining	4-C600-GV-MO-WCB/WCC
126	G403	Valves	Yoke Machining	5-C300-GV-HW-WCB/WCC
127	G408	Valves	Yoke Machining	6-C150-GV-HW-WCB/WCC NC YOKE

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
128	G411	Valves	Yoke Machining	6-C150-SV-HW-CF8/CF8M
129	G510	Valves	Yoke Machining	8-C600-GV-HW-WC6/WC9
130	G1885	Valves	Yoke Machining	12-C600-GV-FL-GO-CF8-BP
131	G521	Valves	ACT FLANGE-1902	8-C150-GV-FL-GO-WCB
132	G522	Valves	ACTUATOR BASE-E363	4-C300-GV-BW-MO-WCB
133	G523	Valves	ACTUATOR BASE-E404	12-C300-GV-BW-MO-WC9
134	G524	Valves	ACTUATOR FLG-N606	8-C150-GV-BW-MO-WCB
135	G561	Valves	SLEEVE	3"-300 GV WCB
136	G602	Valves	SLEEVE-E475	8-C600-GV-BW-GO-WCB
137	G1867	Valves	SLEEVE-E112	8-C150-GV-FL-HW-WCB
138	G1867a	Valves	SLEEVE-E512	Extension Spindle
139	G1945	Valves	SLEEVE-F768	12-C600-GV-BW-GO-WCB
140	G2159	Valves	SLEEVE-NE96	22-C300-GV-BW-GO-WCB
141	G608	Valves	ARM ASSY-Z047	12-C300-FV-BW-CF8M
142	G609	Valves	ARM ASSY-Z018	12-C300-FV-BW-WCB
143	G1970	Valves	ARM ASSY-Z023	14-300-WCB-BW-FV
144	G1970a	Valves	ARM ASSY-Z080	14-300-CF8M-BW-FV
145	G703	Valves	B.Seat Final F6	4-C600-GV-BW-MO-WCB
146	G646	Valves	Back Seat Final	12-C300-GV-WC6
147	G647	Valves	Back Seat Final Stellited	12-C300-GV-WCB
148	G652	Valves	Back Seat Final	14-C300-GV-WC9/C12A
149	G653	Valves	Back Seat Final	16-C150-GV-WCB
150	G654	Valves	Back Seat Final Stellited	16-C150-GV-WCB
151	G655	Valves	Back Seat Final CF8	16-C150-GV-WCB
152	G659	Valves	Back Seat Final F6	18-C150-GV-WCB
153	G660	Valves	Back Seat Final CF8	18-C150-GV-WCB
154	G661	Valves	Back Seat Final F6A	18-C150-GV-WCB
155	G666	Valves	Back Seat Final	2-C300-GV-WC6
156	G667	Valves	Back Seat Final	2-C300-GV-WCB
157	G673	Valves	Back Seat Final	2-C600-GV-WC9
158	G674	Valves	Back Seat Final	2-C600-GV-WCB
159	G680	Valves	B.Seat Final NC	3-C300-GV-WCB
160	G681	Valves	Back Seat Final	3-C300-GV-WCB
161	G682	Valves	Back Seat Final	3-C300-GV-WC6/WC9
162	G683	Valves	Back Seat Final	3-C300-RV-BW-HW-WC6
163	G684	Valves	Back Seat Final	3-C600-GV-BW-HW-WCB
164	G685	Valves	Back Seat Final	3-C600-GV-BW-MO-WC6/CF8M
165	G686	Valves	Back Seat Final F6	3-C600-GV-BW-MO-WCB
166	G700	Valves	Back Seat Final	4-C600-GV-BW-HW-WCC/WC6
167	G700a	Valves	Back Seat Final	4-C600-GV-BW-HW-CF8
168	G701	Valves	Back Seat Final F6	4-C600-GV-BW-HW-WC6
169	G713	Valves	Back Seat Final	6-C300-GV-WC6
170	G714	Valves	Back Seat Final Stellited	6-C300-GV-WCB
171	G715	Valves	Back Seat Final F6	6-C300-GV-WCB
172	G716	Valves	Back Seat Final	6-C300-GV-WCB
173	G2044	Valves	Back Seat Final	20-C300-GV-BW-GO-WCB/WC9
174	G2061	Valves	Back Seat Final	24-C150-GV-BW-MO-WCB-SG

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
175	G2062	Valves	Back Seat Final	24-C150-GV-BW-MO-WCB
176	G2153	Valves	Back Seat Final	22-C300-GV-BW-GO-WCB
177	G745	Valves	BALL-E085	4-C150-GV-FL-HW-WCB
178	G747	Valves	BASE BOT FLANGE-E324	16-C300-GV-BW-GO-WCB
179	G750	Valves	BOSS-P366	10-C300-RV-BW-MO-WCB
180	G751	Valves	BOTTOM FLANGE-E332	6-C600-GV-BW-HW-WCB-BP
181	G752	Valves	BOTTOM FLANGE-E378	8-C600-GV-BW-GO-WCB-SG-BP
182	G755	Valves	BOTTOM PLATE-N631	12-C300-GV-BW-HW-WCB
183	G756	Valves	BOTTOM PLATE-K268	2-C150-GV-BW-HW-WCB
184	G757	Valves	BOTTOM PLATE-N209	3-C300-GV-FL-HW-WCB
185	G759	Valves	BOTTOM PLATE-NC08	8-C150-GV-FL-HW-WCB
186	G760	Valves	BRACKET-F742	6-C600-GV-FL-HW-WCB-BP
187	G765	Valves	BRG RETAINER-N201	2-C150-GV-FL-HW-WCB
188	G775	Valves	BUSH-N207	6-C150-GV-FL-HW-WCB
189	G776	Valves	BUSH-K932	8-C300-RV-BW-HW-WCB
190	G777	Valves	TUBE OF BYPASS	10-C150-GV-BP
191	G778	Valves	TUBE OF BYPASS	10-C300-GV-BP
192	G779	Valves	TUBE OF BYPASS	12-C150-GV-BP
193	G780	Valves	TUBE OF BYPASS	12-C300-GV-BP
194	G781	Valves	TUBE OF BYPASS	14-C150-GV-BP
195	G782	Valves	TUBE OF BYPASS	14-C300-GV-BP
196	G783	Valves	TUBE OF BYPASS	16-C150-GV-BP
197	G784	Valves	TUBE OF BYPASS	16-C300-GV-BP
198	G785	Valves	TUBE OF BYPASS	18-C150-GV-BP
199	G786	Valves	TUBE OF BYPASS	4-C300-GV-BP
200	G787	Valves	TUBE OF BYPASS	6-C150-GV-BP
201	G788	Valves	TUBE OF BYPASS	6-C300-GV-BP
202	G789	Valves	TUBE OF BYPASS	6-C600-GV-BP
203	G790	Valves	TUBE OF BYPASS	8-C300-GV-BP
204	G791	Valves	TUBE OF BYPASS	8-C600-GV-BP
205	G2020	Valves	TUBE OF BYPASS-N477	20-C150-GV-BW-GO-WCB-BP
206	G2021	Valves	TUBE OF BYPASS-N933	20-C150-GV-FL-GO-WCB-BP
207	G2022	Valves	TUBE OF BYPASS-NE44	20-C150-GV-BW-MO-WCB-BP
208	G2047	Valves	TUBE OF BYPASS-C285	20-C300-GV-BW-GO-WCB-BP
209	G2065	Valves	TUBE OF BYPASS	24-C150-GV-BW-MO-WCB-BP
210	G792	Valves	CAP TUBE-NA43	16-C150-GV-BW-MO-WCB
211	G795	Valves	CHAIN WHEEL-400-K295	6-C150-GV-FL-HW-WCB
212	G796	Valves	CHAIN WHEEL-K243	6-C300-SV-BW-HW-WCB
213	G797	Valves	CHAIN WHEEL-450-K296	8-C150-GV-BW-HW-WCB
214	G798	Valves	CHAIN WHEEL-450-S568	8-C300-RV-BW-HW-WCB
215	G806	Valves	COMPANION FLANGE-K001	4-C150-GV-FL-HW-WCB
216	G814	Valves	COMP.FL.8/600C-K250	8-C600-GV-FL-GO-WCB
217	G832	Valves	CONN PIN-E100	4-C150-GV-FL-HW-WCB
218	G833	Valves	CONN TUBE-E473	12-C150-GV-FL-HW-WCB
219	G834	Valves	CONN TUBE-E353	16-C150-GV-FL-MO-WCB
220	G835	Valves	CONNECTING TUBE-E357	4-C150-GV-FL-HW-WCB
221	G836	Valves	COUPLING-E474	4-C150-GV-FL-HW-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
222	G849	Valves	COVER	2-C300-FV-BW-CF8
223	G851	Valves	COVER	2-C300-FV-FL-WCB
224	G1971	Valves	COVER	14-300-WCB-BW-FV/WC9
225	G890	Valves	Disk Final SV	6-C150-SV-CF8
226	G899	Valves	Disc Retainer SV	2-C150-SV-CF8
227	G908	Valves	END COVER-N206	10-C150-GV-FL-HW-WCB
228	G909	Valves	END COVER-N207	12-C150-GV-FL-GO-WCB
229	G910	Valves	END COVER-E061	12-C150-GV-FL-HW-WCB
230	G911	Valves	END COVER-N723	14-C150-GV-FL-GO-WCB
231	G912	Valves	END COVER-N754	16-C150-GV-FL-GO-WCB
232	G913	Valves	END COVER-N201	2-C150-GV-FL-HW-WCB
233	G914	Valves	END COVER-N202	3-C150-GV-FL-HW-WCB
234	G915	Valves	END COVER-S847	3-C600-GV-BW-HW-WCB
235	G916	Valves	END COVER-E060	4-C150-GV-FL-HW-WCB
236	G917	Valves	END COVER-N203	4-C150-GV-FL-HW-WCB
237	G919	Valves	END COVER-N204	6-C150-GV-FL-HW-WCB
238	G921	Valves	END COVER-N211	6-C300-GV-FL-HW-WCC
239	G922	Valves	END COVER-N205	8-C150-GV-FL-HW-WCB
240	G925	Valves	FIXING CLAMP-K011	10-C300-GV-BW-HW-WCB
241	G926	Valves	FIXING CLAMP-U109	12-C300-GV-BW-HW-WCB
242	G927	Valves	FIXING CLAMP-K324	2-C150-GV-BW-HW-WCB
243	G928	Valves	FIXING CLAMP	3-C300-GV-FL-HW-WCB
244	G929	Valves	FIXING CLAMP-K163	8-C150-GV-BW-HW-WCB
245	G930	Valves	FIXING PLATE-E471	16-C300-GV-BW-GO-WCB
246	G931	Valves	FIXING PLATE-K011	8-C150-GV-BW-HW-WCB
247	G932	Valves	FLANGE-E377	10-C300-GV-BW-HW-WCB
248	G933	Valves	FLANGE-P474	10-C300-RV-BW-GO-WCB
249	G934	Valves	FLANGE-P366	10-C300-RV-BW-MO-WCB
250	G936	Valves	FLANGE-E046	4-C150-GV-FL-HW-WCB
251	G944	Valves	GLAND FLANGE	10-C150-GV-FL-MO-WCB
252	G946	Valves	GLAND FLANGE	10-C300-RV-BW-MO-WCB
253	G954	Valves	GLAND FLANGE	18-C150-GV-FL-GO-WCB
254	G1980	Valves	GLAND FLANGE	10-C600-GV-FL-MO-WCB-BP
255	G2068	Valves	GLAND FLANGE	24-C150-GV-BW-MO-WCB
256	G2155	Valves	GLAND FLANGE	22-C300-GV-BW-GO-WCB
257	G976	Valves	Gland Follower	10-C150-GV-WCB/NC
258	G983	Valves	Gland Follower	12-C300-GV-WC9
259	G988	Valves	Gland Follower	18-C150-GV-WCB
260	G991	Valves	Gland Follower	2-C150-SV-CF8
261	G997	Valves	Gland Follower	3-C300-RV-CF8M
262	G998	Valves	Gland Follower	3-C300-RV-WCB
263	G999	Valves	Gland Follower	3-C600-GV-WCB
264	G1003	Valves	Gland Follower	4-C300-GV-CF8M
265	G1005	Valves	Gland Follower	4-C600-GV-WCB
266	G1005a	Valves	Gland Follower	4-C600-GV-CF8M
267	G1009	Valves	Gland Follower	6-C150-SV-CF8
268	G1020	Valves	Gland Follower	8-C300-RV-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
269	G2112	Valves	Gland Follower	8-C600-GV-FL-GO-WCB
270	G2156	Valves	Gland Follower	22-C300-GV-BW-GO-WCB
271	G1021	Valves	GLAND-B001	2-C600-GV-FL-HW-WC9
272	G1023	Valves	GUIDE BRACKET AS-A982	8-C150-GV-BW-HW-WCB
273	G1024	Valves	GUIDE BRACKET AS-A985	6-C150-GV-FL-HW-WCB
274	G1025	Valves	GUIDE BUSH-E195	4-C150-GV-FL-HW-WCB
275	G1026	Valves	GUIDE BUSH-E196	12-C150-GV-FL-HW-WCB
276	G1028	Valves	H.W RETAINER-B001	2-C600-GV-FL-HW-WC6
277	G1029	Valves	H.W RETAINER-B004	6-C600-GV-BW-HW-WCB
278	G1030	Valves	H W RETAINER-1530	8-C600-GV-RTJ-HW-WC6
279	G1034	Valves	HUB-K020	10-C300-GV-BW-HW-WCB
280	G1035	Valves	HUB-E465	12-C150-GV-FL-HW-WCB
281	G1037	Valves	HUB-K357	4-C300-GV-BW-HW-WCB
282	G1039	Valves	INDICATOR DISC-N790	12-C150-GV-FL-GO-WCB
283	G1040	Valves	INDICATOR DISC-N628	12-C300-GV-BW-GO-WC9
284	G1041	Valves	INDICATOR DISC-1149	3-C600-GV-BW-HW-WCB
285	G1043	Valves	INDICATOR DISC-2935	4-C300-SV-BW-MO-WCB
286	G1045	Valves	INDICATOR DISC-N244	8-C300-GV-BW-HW-WC9
287	G1046	Valves	INDICATOR RING-1286	16-C300-GV-BW-MO-WCB
288	G1047	Valves	INDICATOR RING-B001	2-C600-GV-FL-HW-WC6
289	G1048	Valves	INDICATOR-E125	12-C150-GV-FL-HW-WCB
290	G1049	Valves	INDICATOR-N207	10-C150-GV-FL-HW-WCB
291	G1050	Valves	INDTR. ARRANGEMENT	10"-150 GV WCB
292	G1051	Valves	INDTR. ARRANGEMENT	10"-300 GV WCB
293	G1052	Valves	INDTR. ARRANGEMENT	12"-150 GV WCB
294	G1053	Valves	INDTR. ARRANGEMENT	12"-300 GV WCB/WC6/WC9
295	G1054	Valves	INDTR. ARRANGEMENT	2-C150-GV-WCB
296	G1055	Valves	INDTR. ARRANGEMENT	2-C300-GV-WCB
297	G1057	Valves	INDTR. ARRANGEMENT	3-C300-GV-WCB
298	G1058	Valves	INDTR. ARRANGEMENT	4-C150-GV-WCB/CF8M
299	G1059	Valves	INDTR. ARRANGEMENT	4-C300-GV-WCB
300	G1061	Valves	INDTR. ARRANGEMENT	6-C300-GV-WCB
301	G1062	Valves	INDTR. ARRANGEMENT	6-C600-GV-WCB
302	G1065	Valves	INDTR. ARRANGEMENT	8-C600-GV-WCB
303	G1068	Valves	JOINT END-E080	4-C150-GV-FL-HW-WCB
304	G1069	Valves	JOINT END-E090	4-C150-GV-FL-HW-WCB
305	G1070	Valves	LANTERN RING	10-C150-GV-CF8M-SG
306	G1071	Valves	LANTERN RING	12-C150-GV-WCB-SG
307	G1073	Valves	LANTERN RING	16-C150-GV-WCB-SG
308	G1077	Valves	LANTERN RING	2-C600-GV-WC6-SG
309	G1079	Valves	LANTERN RING	3-C300-GV/RV-WCB/CF8M SG
310	G1083	Valves	LANTERN RING	4-C600-GV-RTJ-HW-WCB-SG
311	G1086	Valves	LANTERN RING	6-C600-GV-WCB-SG
312	G1089	Valves	LANTERN RING	8-C600-GV-WCB-SG
313	G2161	Valves	LANTERN RING-NG12	22-C300-GV-BW-GO-WCB
314	G2072	Valves	LANTERN RING-K821	24-C150-GV-BW-MO-WCB-SG
315	G1090	Valves	LEVER ARM-M662	3-C300-SV-FL-HW-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
316	G1092	Valves	LEVER PIN-M662	3-C300-SV-FL-HW-WCB
317	G1096	Valves	LOCK BUSH-N213	12-C300-GV-BW-GO-WCB
318	G1098	Valves	LOCK BUSH-N204	8-C600-GV-FL-GO-WCB
319	G1099	Valves	LOCK HOOK-N206	10-C150-GV-BW-HW-WCB
320	G1100	Valves	LOCK HOOK-NC51	12-C150-GV-FL-GO-WCB
321	G1101	Valves	LOCKING ARRGT.HOOK	12-C300-GV-BW-GO-WCB
322	G1103	Valves	LOCKING ARRGT.HOOK	16-C150-GV-FL-GO-WCB
323	G1104	Valves	LOCK HOOK-N201	2-C150-GV-FL-HW-CF8
324	G1105	Valves	LOCK HOOK-N204	2-C600-GV-FL-HW-WCB
325	G1106	Valves	LOCK HOOK-N213	6-C600-GV-BW-HW-WCB
326	G1107	Valves	LOCK HOOK-N205	8-C150-GV-BW-HW-WCB
327	G1108	Valves	LOCK HOOK-N954	8-C600-GV-FL-GO-WCB
328	G1109	Valves	LOCK PLATE	10-C150-GV-BW-HW-WCB
329	G1111	Valves	LOCK PLATE	12-C150/300-GV-FL-GO-WCB
330	G1113	Valves	LOCK PLATE	14-C150-GV-FL-GO-WCB
331	G1114	Valves	LOCK PLATE	2-C150-GV-FL-HW-CF8
332	G1116	Valves	LOCK PLATE	3-C600-GV-BW-HW-WCB
333	G1119	Valves	LOCK PLATE	6-C600-GV-BW-HW-WCB
334	G1122	Valves	LOCK PLATE	8-C600-GV-FL-GO-WCB
335	G1124	Valves	MOUNTING PLATE-N206	10-C150-GV-FL-HW-WCB
336	G1125	Valves	MOUNTING PLATE-N207	12-C150-GV-FL-HW-WCB
337	G1126	Valves	MOUNTING PLATE-K922	3-C300-GV-FL-HW-WCB
338	G1127	Valves	MOUNTING PLATE-N204	6-C150-GV-FL-HW-WCB
339	G1128	Valves	MOUNTING PLATE-N205	8-C150-GV-FL-HW-WCB
340	G1129	Valves	PILLAR-E235	12-C150-GV-FL-HW-WCB
341	G1131	Valves	PILLAR	16-C300-GV-BW-GO-WCB
342	G1135	Valves	PIN-N812	12-C300-GV-BW-GO-WCB
343	G1139	Valves	PIN-1450	2-C600-GV-BW-HW-WCB
344	G1140	Valves	PIN-E065	4-C150-GV-FL-HW-WCB
345	G1141	Valves	PIN-E105	4-C150-GV-FL-HW-WCB
346	G1142	Valves	PIN-E115	4-C150-GV-FL-HW-WCB
347	G1143	Valves	PIN-K661	6-C300-SV-FL-HW-WCB
348	G1144	Valves	PLUG-5159	10-C300-FV-FL-WCB
349	G1146	Valves	PLUG 1/4 NPT-C281	2-C300-GV-BW-HW-WCB
350	G1147	Valves	PLUG	3-C150-FV-FL-CF8/CF8M
351	G1148	Valves	PLUG-5196	4-C300-FV-BW-CF8
352	G1149	Valves	PLUG 3/4 NPT (F316)-5196	6-C150-FV-FL-CF8
353	G1150	Valves	PLUG-5182	6-C300-FV-FL-WC9
354	G1151	Valves	PLUG-Z001	8-C150-FV-FL-CF8
355	G1152	Valves	PLUG	8-C150-FV-FL-WCB
356	G1153	Valves	PLUG	8-C300-FV-BW-WC9/WCB
357	G1154	Valves	PLUG	8-C300-GV-BW-MO-WC6
358	G1155	Valves	SCREW PLUG - 1/2-F604	4-C300-GV-BW-HW-WCB
359	G1181	Valves	RETAINER BOSS-P366	10-C300-RV-WCB
360	G1182	Valves	RETAINER GUIDE-P366	10-C300-RV-WCB
361	G1183	Valves	RETAINER-N207	10-C150-GV-WCB
362	G1185	Valves	RETAINER-N631	12-C300-GV-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
363	G1186	Valves	RETAINER-K585	16-C150-GV-WCB
364	G1187	Valves	RETAINER-1217	16-C300-GV-WCB
365	G1188	Valves	RETAINER-NC02	2-C150-GV-WCB
366	G1189	Valves	RETAINER-F502	3-C600-GV-WCB
367	G1191	Valves	RETAINER-S836	6-C300-GV-WCB
368	G1202	Valves	Disc Retainer RV	10-C300-RV-WCB
369	G1206	Valves	RING OF INDEX-K333	2-C300-RV-FL-HW-WCB
370	G1208	Valves	RING OF INDEX-K335	6-C300-RV-FL-HW-WCB
371	G1209	Valves	RING OF INDEX	8-C300-RV-BW-HW-WCB
372	G1211	Valves	SCALE OF INDEX-K333	2-C300-RV-FL-HW-WCB
373	G1212	Valves	SCALE OF INDEX	3-C300-RV-FL-HW-WCB
374	G1213	Valves	SCALE OF INDEX-2886	4-C300-RV-FL-HW-WCB
375	G1214	Valves	SCALE OF INDEX	6-C300-SV-BW-HW-WCB
376	G1215	Valves	SCALE OF INDEX-2925	8-C300-RV-BW-HW-WCB
377	G1237	Valves	Seat Ring Final	12-C300-FV-BW-CF8M
378	G1238	Valves	Seat Ring Final Stellited	12-C300-FV-FL-WCB
379	G1239	Valves	Seat Ring Final	12-C300-FV-FL-WCB
380	G1244	Valves	Seat Ring Final Stellited	14-C150-GV-BW-GO-WCB
381	G1245	Valves	Seat Ring Final	14-C150-GV-WCB
382	G1246	Valves	Seat Ring Final	14-C300-GV-BW-MO-WC9/C12A
383	G1247	Valves	Seat Ring Final	14-C300-GV-FL-GO-CF8
384	G1248	Valves	Seat Ring Final Stellited	14-C300-GV-FL-GO-WCB
385	G1249	Valves	Seat Ring Final	14-C300-GV-FL-MO-WCB
386	G1250	Valves	Seat Ring Final Stellited	16-C150-GV-BW-MO-WCB
387	G1251	Valves	Seat Ring Final	16-C150-GV-WCB/16-C150-FV-FL-WCB
388	G1252	Valves	Seat Ring Final	16-C300-GV-FL-GO-WCB
389	G1253	Valves	Seat Ring Final	16-C300-GV-FL-MO-WC9
390	G1254	Valves	Seat Ring Final Stellited	16-C400-GV-BW-GO-WCB
391	G1255	Valves	Seat Ring Final	18-C150-GV-BW-MO-WCB
392	G1256	Valves	Seat Ring Final Stellited	18-C150SPL-GV-WCB
393	G1294	Valves	Seat Ring Final Stellite	4-C150-FV-CF8/CF8M
394	G1295	Valves	Seat Ring Final Stellite	4-C150-FV-FL-WCB
395	G1320	Valves	Seat Ring Final Stellite	6-C150-FV-BW-CF8/CF8M
396	G1321	Valves	Seat Ring Final	6-C150-FV-FL-CF8M
397	G1322	Valves	Seat Ring Final Stellite	6-C150-FV-BW-WCB
398	G1323	Valves	Seat Ring Final	6-C150-FV-FL-WCB
399	G2073	Valves	Seat Ring Final Stellite	24-C150-GV-BW-MO-WCB K902
400	G2074	Valves	Seat Ring Final	24-C150-GV-FL-MO-WCB
401	G2148	Valves	Seat Ring Final	22-C300-GV-BW-GO-WCB
402	G1372	Valves	SPIN EXTN PIN-E324	16-C300-GV-BW-GO-WCB
403	G1372a	Valves	SPIN EXTN PIN-E513	14-C150-GV-FL (Extension Spindle)
404	G1374	Valves	SPIN. BOTTOM FL.-E407	4-C300-GV-BW-MO-WCB
405	G1376	Valves	SPINDLE EXTN TUBE-E467	4-C300-GV-BW-MO-WCB
406	G1377	Valves	SPINDLE EXTN UNIT-E074	12-C150-GV-FL-HW-WCB
407	G1378	Valves	SPINDLE EXTN UNIT-E332	6-C600-GV-BW-HW-WCB
408	G1379	Valves	SPINDLE EXTN UNIT-E456	10-C300-GV-BW-HW-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
409	G1380	Valves	SPINDLE TOP-E465	12-C150-GV-FL-HW-WCB
410	G1381	Valves	SPIN EXTN TOP-E423	12-C300-GV-BW-MO-WCB
411	G1382	Valves	SPINDLE TOP-E474	4-C150-GV-FL-HW-WCB
412	G1383	Valves	SPINDLE EXTN TOP-E363	4-C300-GV-BW-MO-WCB
413	G1389	Valves	SPINDLE-E203	4-C150-GV-FL-HW-WCB
414	G1390	Valves	SPINDLE-E363	4-C300-GV-BW-MO-WCB
415	G1391	Valves	SPINDLE-E475	8-C600-GV-BW-GO-WCB
416	G1393	Valves	STAND ASSY	4-C300-GV-BW-MO-WCB
417	G1394	Valves	STAND ASSY-E460	12-C300-GV-BW-MO-WCB
418	G1395	Valves	STAND ASSY-E463	18-C150-GV-BW-GO-WCB
419	G1396	Valves	STAND BOTTOM FL.-E407	4-C300-GV-BW-MO-WCB
420	G1397	Valves	STAND TUBE-E456	10-C300-GV-BW-HW-WCB
421	G1399	Valves	STAND TUBE-E463	18-C150-GV-BW-GO-WCB
422	G1400	Valves	STAND TUBE-E467	4-C300-GV-BW-MO-WCB
423	G1414	Valves	STEM (with Hard Chrome Plating)	14-C300-GV-WCB
424	G1415	Valves	STEM	14-C300-GV-CF8
425	G1416	Valves	STEM	14-C300-GV-WCB
426	G1420	Valves	STEM	18-C150-GV-BW-GO-WCB
427	G1941	Valves	STEM	12-C600-GV-FL-CF8/WCB/WCB
428	G2057	Valves	STEM	20-C300-GV-BW-GO-WCB
429	G2058	Valves	STEM	20-C300-GV-BW-MO-WCB
430	G2080	Valves	STEM	24-C150-GV-FL-GO-WCB
431	G2081	Valves	STEM	24-C150-GV-BW-MO-WCB
432	G1479	Valves	STOPPER-B001	2-C600-GV-FL-HW-WCB
433	G1480	Valves	STOPPER-E471	16-C300-GV-BW-GO-WCB
434	G1482	Valves	STRIKER PLATE-N209	3-C300-GV-FL-HW-WCB
435	G1483	Valves	STRIKER PLATE C-K268	4-C300-GV-BW-HW-WCB
436	G1485	Valves	STRIKER-E488	10-C300-GV-BW-HW-WCB
437	G1486	Valves	SUNK KEY-W057	16-C150-GV-FL-MO-WCB
438	G1487	Valves	SUPPORT BRACKET-E460	12-C300-GV-BW-MO-WCB
439	G1488	Valves	SUPPORT BRACKET-E463	18-C150-GV-BW-GO-WCB
440	G1489	Valves	SUPPORT BRACKET	4-C300-GV-BW-MO-WCB
441	G1490	Valves	SUPPORT PLATE-B676	8-C600-GV-FL-GO-WCB
442	G1491	Valves	SUPPORT PLATE-F742	6-C600-GV-FL-HW-WCB
443	G1492	Valves	SWITCH BRACKET-E471	16-C300-GV-BW-GO-WCB
444	G1493	Valves	SWITCH BRACKET-K325	12-C300-GV-BW-GO-WCB
445	G1496	Valves	THRUST BASE-E387	16-C300-GV-BW-GO-WCB
446	G1497	Valves	THRUST BASE-E363	4-C300-GV-BW-MO-WCB
447	G1498	Valves	THRUST BASE-E475	8-C600-GV-BW-GO-WCB
448	G1500	Valves	THRUST PLATE-P366	10-C300-RV-BW-MO-WCB
449	G1504	Valves	TIE ROD-A982	8-C150-GV-BW-HW-WCB
450	G1505	Valves	TIE ROD-A985	6-C150-GV-FL-HW-WCB
451	G1506	Valves	TOP COVER-1084	6-C150-GV-FL-MO-WCB
452	G1507	Valves	TOP COVER-B004	12-C150-GV-FL-MO-WCB
453	G1508	Valves	TOP FLANGE-E378	8-C600-GV-BW-GO-WCB
454	G1510	Valves	TOPCOVER-N795	6-C150-GV-FL-MO-WCB
455	G1511	Valves	TRIP ROD-P474	10-C300-RV-BW-GO-WCB

Valves - List of Items for which additional sources are required for Job Work

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S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
456	G1516	Valves	TUBE	16-C150-GV-FL-MO-WCB
457	G1519	Valves	TUBE	2-C300-GV-BW-HW-WCB
458	G1520	Valves	TUBE	2-C600-GV-FL-HW-WC6
459	G1522	Valves	TUBE	3-C600-GV-BW-HW-WCB
460	G1527	Valves	TUBE	6-C150-GV-BW-MO-WCB
461	G1529	Valves	TUBE	6-C300-RV-BW-MO-WCB
462	G1533	Valves	TUBE	8-C300-RV-BW-MO-WCB
463	G1534	Valves	UNIVERSAL JOINT-E095	4-C150-GV-FL-HW-WCB
464	G1535	Valves	VB6SPINDLE EXTN UNIT-E467	4-C300-GV-BW-MO-WCB
465	G1536	Valves	WASHER-S568	8-C300-GV-BW-HW-CF8M
466	G1537	Valves	WASHER-S605	6-C150-GV-FL-HW-WCB
467	G1538	Valves	Felt Ring Washer -W057	16-C150-GV-FL-MO-WCB
468	G1550	Valves	YOKE BUSH NI RES-K386	2-C150-GV-BW-HW-WCB
469	G1551	Valves	YOKE BUSH-NI RES-N201	2-C150-GV-FL-HW-CF8
470	G1552	Valves	YOKE BUSH-NC02	2-C150-GV-FL-HW-WCB
471	G1553	Valves	YOKE BUSH-2880	2-C150-SV-FL-HW-CF8
472	G1555	Valves	YOKE BUSH-2477	2-C300-RV-FL-HW-WCB
473	G1556	Valves	YOKE BUSH-B001	2-C600-GV-FL-HW-WC6
474	G1557	Valves	YOKE BUSH-B101	2-C600-GV-FL-HW-WCB
475	G1559	Valves	YOKE BUSH-NI RESIST	2-C600-GV-FL-HW-WCB
476	G1561	Valves	YOKE BUSH-NC03	3-C150-GV-FL-HW-WCB
477	G1562	Valves	YOKE BUSH-2685	3-C300-RV-BW-HW-CF8M
478	G1564	Valves	YOKE BUSH-F602	3-C600-GV-BW-HW-WCB
479	G1568	Valves	YOKE BUSH-NC04	4-C150-GV-FL-HW-WCB
480	G1569	Valves	YOKE BUSH-N251	4-C300-GV-FL-HW-WCB
481	G1570	Valves	YOKE BUSH NI-RE-2690	4-C300-SV-BW-HW-WCB
482	G1571	Valves	YOKE BUSH-NI RES-N204	6-C150-GV-BW-HW-CF8M
483	G1572	Valves	YOKE BUSH-N218	6-C150-GV-FL-HW-WCB
484	G1574	Valves	YOKE BUSH-2883	6-C150-SV-FL-HW-CF8
485	G1576	Valves	YOKE BUSH NI-RE-2928	6-C300-SV-BW-HW-CF8M
486	G1577	Valves	YOKE BUSH-N009	8-C150-GV-FL-HW-WCB
487	G1578	Valves	YOKE BUSH-NC08	8-C150-GV-FL-HW-WCB
488	G1579	Valves	YOKE BUSH-NI RES-N205	8-C150-GV-FL-HW-WCB
489	G1580	Valves	YOKE BUSH NI RES-K387	8-C300-GV-BW-HW-WCB
490	G1582	Valves	YOKE BUSH-P338	8-C300-SV-FL-HW-WCB
491	G1583	Valves	YOKE BUSH-F608	8-C600-GV-BW-HW-WCB
492	G1777	Valves	YOKE BUSH-Z065	10-C300-FV-BW-WCB-NON SLAM
493	G1991	Valves	TUBE OF BYPASS-F546	10-C600-GV-FL-MO-WCB-BP
494	G2149	Valves	Seat Ring Rough	22-C300-GV-BW-GO-WCB
495	G1933	Valves	Back Seat Rough	12-C600-GV-FL-GO-CF8-BP
496	G1943	Valves	Back Seat Rough	12-C600-GV-BW-GO-WCB/WC9
497	G2045	Valves	Back Seat Rough	20-C300-GV-BW-GO-WCB/WC9
498	G2063	Valves	Back Seat Rough	24-C150-GV-BW-MO-WCB-SG
499	G2064	Valves	Back Seat Rough	24-C150-GV-BW-MO-WCB
500	G2154	Valves	Back Seat Rough	22-C300-GV-BW-GO-WCB
501	G1765	Valves	Rib	16-C150-GV-FL-MO-WCB
502	G1767	Valves	GLAND ASSY-E465	12-C150-GV-FL-HW-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
503	G1768	Valves	GLAND ASSY-E474	4-C150-GV-FL-HW-WCB
504	G1776	Valves	SPINDLE-Z065	10-C300-FV-BW-WCB-NON SLAM
505	G1778	Valves	LEVER-Z065	10-C300-FV-BW-WCB-NON SLAM
506	G1779	Valves	CONNECTOR-Z065	10-C300-FV-BW-WCB-NON SLAM
507	G1780	Valves	PRALLEL KEY-Z065	10-C300-FV-BW-WCB-NON SLAM
508	G1828	Valves	STUD-5402	10-C150-GV-BW-MO-WCB
509	G1829	Valves	STUB-1123	10-C150-GV-FL-MO-WCB
510	G1830	Valves	STUB-1130	10-C300-GV-FL-GO-WCB
511	G1831	Valves	STUD-E159	12-C150-GV-FL-HW-WCB
512	G1832	Valves	STUD-N204	2-C300-GV-BW-HW-WCB
513	G1833	Valves	STUD-N204	2-C600-GV-FL-HW-WC9
514	G1834	Valves	STUD-K247	3-C600-GV-FL-HW-WCB
515	G1835	Valves	STUD-K248	4-C600-GV-FL-HW-WCB
516	G1836	Valves	STUB-1708	8-C150-GV-BW-MO-WCB
517	G1837	Valves	STUD-5618	8-C150-GV-FL-MO-WCB
518	G1838	Valves	STUD-B023	8-C300-FV-BW-WC9
519	G1839	Valves	SW FLANGE 2/300-A941	2-C300-SV-FL-HW-WCB
520	G1840	Valves	SW FLANGE 3/150-A942	3-C150-GV-FL-HW-WCB
521	G1841	Valves	SW FLANGE 3/300-A943	3-C300-RV-FL-MO-WCB
522	G1842	Valves	GLAND PIN-2880	2-C150-SV-FL-HW-CF8
523	G1843	Valves	GLAND PIN-2883	6-C150-SV-FL-HW-CF8
524	G1844	Valves	INDICATOR PIN-B007	2-C600-GV-FL-HW-WC6
525	G1845	Valves	INDICATOR PIN-E332	6-C600-GV-BW-HW-WCB
526	G1846	Valves	INDICATOR PIN-E471	16-C300-GV-BW-GO-WCB
527	G1847	Valves	INDICATOR STUD-C434	16-C300-GV-BW-MO-WCB
528	G1848	Valves	INDICATOR STUD-B002	2-C600-GV-FL-HW-WC6
529	G1849	Valves	INDICATOR STUD-2922	4-C300-SV-BW-MO-WCB
530	G1850	Valves	INDICATOR STUD-2893	6-C300-SV-FL-MO-WCB
531	G1851	Valves	INT.FLANGE-NC51	12-C150-GV-FL-GO-WCB
532	G1852	Valves	INT.FLANGE-K982	12-C150-GV-FL-MO-WCB
533	G1853	Valves	INT.FLANGE-E423	16-C150-GV-FL-MO-WCB
534	G1854	Valves	INT.FLANGE-E471	16-C300-GV-BW-GO-WCB
535	G1855	Valves	INT.FLANGE-E363	4-C300-GV-BW-MO-WCB
536	G1856	Valves	INT.FLANGE-F503	4-C600-GV-BW-MO-WCB
537	G1857	Valves	INT.FLANGE-K981	8-C150-GV-FL-MO-WCB
538	G1858	Valves	INT.FLANGE-E475	8-C600-GV-BW-GO-WCB
539	G1859	Valves	INT. FLANGE-F508	8-C600-GV-RTJ-HW-WC6
540	G1860	Valves	LIMIT SWITCH PIN-P474	10-C300-RV-BW-GO-WCB
541	G1861	Valves	LOCK NUT-N206	10-C150-GV-FL-HW-WCB
542	G1862	Valves	LOCK NUT-N207	12-C150-GV-FL-HW-WCB
543	G1863	Valves	LOCK NUT-N204	6-C150-GV-FL-HW-WCB
544	G1864	Valves	LOCK NUT-N205	8-C150-GV-FL-HW-WCB
545	G1865	Valves	SSW FLANGE-A857	2-C300-SV-FL-HW-CF8
546	G1866	Valves	SSW FLANGE-A858	3-C300-RV-FL-MO-CF8
547	G1868	Valves	PIN-E117	8-C150-GV-FL-HW-WCB
548	G1868a	Valves	PIN-E512	Extension Spindle
549	G1868b	Valves	PIN-E518	12-C150-GV-FL (Extension Spindle)

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
550	G1869	Valves	TUBE-E052	6-C150-GV-FL-HW-WCB
551	G1870	Valves	CONN TUBE-E487	6-C150-GV-FL-HW-WCB
552	G1871	Valves	MOUNTING BRACKET-E488	10-C300-GV-BW-HW-WCB
553	G1872	Valves	CONN TUBE -E488	10-C300-GV-BW-HW-WCB
554	G1898	Valves	COVER-Z021	20-150-WCB-BW-FV
555	G1938	Valves	TUBE OF BYPASS-F510	12-C600-GV-FL-GO-CF8-BP
556	G1948	Valves	PIN-F768	12-C600-GV-BW-GO-WCB
557	G1954	Valves	TUBE-1782	12-C600-GV-FL-MO-WCB-BP
558	G1958	Valves	WEDGE MATCHING WITH BODY	18"-150 GV WCB
559	G1959	Valves	WEDGE MATCHING WITH BODY	20"-150 GV WCB
560	G1960	Valves	WEDGE MATCHING WITH BODY	20"-300-GV-WCB
561	G1961	Valves	WEDGE MATCHING WITH BODY	24"-150 GV WCB
562	G1969	Valves	DISC NUT-L802 (FLAP NUT)	14-300-WCB-BW-FV
563	G1982	Valves	INDICATOR ARRANGEMENT-F509	10-C600-GV-BW-HW-WCB
564	G1983	Valves	INDICATOR ARRGT.-F506	10-C600-GV-BW-GO-WCB-SG
565	G1995	Valves	CAP ASSEMBLY-N972	14-C150-GV-FL-MO-WCB
566	G1997	Valves	CAP TUBE-N972	14-C150-GV-FL-MO-WCB
567	G2000	Valves	DISC NUT-L705	16-300SPL-WCB-BW-FV
568	G2001	Valves	KNOCK PIN D16X25-Z029	16-300SPL-WCB-BW-FV
569	G2009	Valves	KNOCK PIN D16X27-L805	20-150-WCB-BW-FV
570	G2010	Valves	KNOCK PIN D16X27-L805	20-150-WCB-BW-FV
571	G2011	Valves	LUG-Z021	20-150-WCB-BW-FV
572	G2023	Valves	CAP ASSEMBLY-N231	20-C150-GV-BW-GO-WCB-BP
573	G2024	Valves	CAP ASSEMBLY-N579	20-C150-GV-BW-MO-WCB-SG
574	G2025	Valves	CAP TUBE-N231	20-C150-GV-BW-GO-WCB-BP
575	G2026	Valves	CAP TUBE-N579	20-C150-GV-BW-MO-WCB-SG
576	G2030	Valves	INDICATOR RING-N224	20-C150-GV-FL-GO-WCB
577	G2032	Valves	S G PLUG-N370	20-C150-GV-BW-MO-WCB-SG
578	G2040	Valves	TUBE-1780	20-C150-GV-BW-MO-WCB-SG
579	G2046	Valves	BRACKET-C364	20-C300-GV-FL-GO-WCB-BP
580	G2066	Valves	COVER-1083	24-C150-GV-BW-MO-WCB-SG
581	G2069	Valves	INDICATOR RING-1757	24-C150-GV-FL-GO-WCB
582	G2070	Valves	INDICATOR STUD M20X210 -N722	24-C150-GV-FL-GO-WCB
583	G2082	Valves	STUD M20X140 -N436	24-C150-GV-FL-GO-WCB
584	G2093	Valves	WEDGE MATCHING WITH BODY	2-150 GV
585	G2094	Valves	WEDGE MATCHING WITH BODY	2-300 GV
586	G2095	Valves	WEDGE MATCHING WITH BODY	3-150 GV
587	G2096	Valves	WEDGE MATCHING WITH BODY	3-300 GV
588	G2097	Valves	WEDGE MATCHING WITH BODY	4-150 GV
589	G2098	Valves	WEDGE MATCHING WITH BODY	4-300 GV
590	G2099	Valves	WEDGE MATCHING WITH BODY	6-150 GV
591	G2100	Valves	WEDGE MATCHING WITH BODY	6-300 GV
592	G2102	Valves	BODY ASSY WITH WEDGE 3-150 GV BW	3-150 GV BW WCB
593	G2103	Valves	BODY ASSY WITH WEDGE 3-150 GV FL	3-150 GV FL WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
594	G2104	Valves	BODY ASSY WITH WEDGE 3-300 GV BW	3-C300-GV-BW-HW-WCB
595	G2105	Valves	BODY ASSY WITH WEDGE 3-300 GV FL	3-C300-GV-FL-HW-WCB
596	G2106	Valves	BODY ASSY WITH WEDGE 4-150 GV BW	4-C150-GV-BW-HW-WCB
597	G2107	Valves	BODY ASSY WITH WEDGE 4-150 GV FL	4-C150-GV-FL-WCB
598	G2108	Valves	BODY ASSY WITH WEDGE 4-300 GV BW	4-C300-GV-BW-HW-WCB
599	G2109	Valves	BODY ASSY WITH WEDGE 4-300 GV FL	4-C300-GV-FL-HW-WCB
600	G2110	Valves	BODY ASSY WITH WEDGE 6-150 GV FL	6-C150-GV-FL-HW-WCB
601	G2111	Valves	BODY ASSY WITH WEDGE 6-150 GV BW	6-C150-GV-BW-HW-WCB
602	G2114	Valves	HUB-E489	4-C300-RV-BW-MO-WCB
603	G2116	Valves	TUBE-E352	4-C300-RV-BW-MO-WCB
604	G2117	Valves	BUSH-P408	4-C300-RV-BW-HW-CF8M
605	G2118	Valves	LEVER-P408	4-C300-RV-BW-HW-CF8M
606	G2119	Valves	BUSH (STEM)-P408	4-C300-RV-BW-HW-CF8M
607	G2120	Valves	NUT-P408	3-C300-RV-BW-HW-CF8M
608	G2121	Valves	BOTTOM PLATE-P408	3-C300-RV-BW-HW-CF8M
609	G2122	Valves	RIB-P408	3-C300-RV-BW-HW-CF8M
610	G2123	Valves	NUT	4" 150 FV WCB
611	G2126	Valves	TOP FLANGE	10-C300-GV-BW-HW-WCB
612	G2131	Valves	Test Collar Machining	10" 300 RV Test Collar Machining
613	G2132	Valves	Test Collar Machining	14" 300 FV Test Collar Machining
614	G2136	Valves	DISC -L804	24-C150-FV-BW-WCB
615	G2137	Valves	DISC ROUGH-L804	24-C150-FV-BW-WCB
616	G2144	Valves	BONNET TOP-L804	24-C150-FV-BW-WCB
617	G2162	Valves	COVER TUBE-NG12	22-C300-GV-BW-GO-WCB
618	G2163	Valves	CAP PLATE-W004	22-C300-GV-BW-GO-WCB
619	G2163b	Valves	CAP PLATE-W004	16/18-C300-GV-BW-GO-WCB
620	G2251	Valves	STEM-E495 Extension Spindle	24-C150-GV-GO-WCB
621	G2252	Valves	Seat Ring Lapping	upto 4"
622	G2253	Valves	Sleeve ABG 25.1	10-C300-RV-WCB
623	G2255	Valves	Body Machining	10-C400-RV-BW-CF8M
624	G2256	Valves	Body Machining	2-C600-GV-BW-CF8M
625	G2261	Valves	Body Machining	12-C300-RV-BW-MO-WCB
626	G2261a	Valves	Body Machining	12-C300-RV-BW-MO-CF8M
627	G2264	Valves	Seat Ring Final (stellite)	12-C300-RV-BW-MO-WCB
628	G2264a	Valves	Seat Ring Final	12-C300-RV-BW-MO-CF8M
629	G2264b	Valves	SEAT RING Final Stellite	12-C300-SV-FL-GO-CF8M
630	G2265	Valves	Seat Ring Rough	12-C300-RV-BW-MO-WCB
631	G2266	Valves	Disc Final	12-C300-RV-BW-MO-WCB
632	G2266a	Valves	Disc Final	12-C300-RV-BW-MOCF8M

Valves - List of Items for which additional sources are required for Job Work

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S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
633	G2267	Valves	Disc Rough	12-C300-RV-BW-GO-WCB
634	G2268	Valves	Disc Nut	12-C300-RV-BW-MO-WCB
635	G2268a	Valves	Disc Nut	12-C300-RV-BW-MO-CF8M
636	G2269	Valves	Back Seat Final	12-C300-RV-BW-MO-WCB
637	G2269a	Valves	BACK SEAT BUSH-P582	12-C300-SV-FL-GO-CF8M
638	G2270	Valves	Back Seat Rough	12-C300-RV-BW-MO-WCB
639	G2271	Valves	Disk Guide Rod	12-C300-RV-BW-MO-WCB
640	G2273	Valves	Gland Follower	12-C300-RV-BW-MO-WCB
641	G2274	Valves	Stopper	12-C300-RV-BW-MO-WCB
642	G2275	Valves	Sunk Key	12-C300-RV-BW-MO-WCB
643	G2277	Valves	Body Machining	6-C150-GV-BW-HW-CF8M-ND
644	G2278	Valves	Yoke Machining	6-C150-GV-BW-HW/MO-CF8M-ND
645	G2292	Valves	Seat Ring Rough	10-C300-RV-CF8M
646	G2292a	Valves	Seat Ring Rough	10-C300-RV-WCB
647	G2299	Valves	Top Flange	16-C150-GV-WCB
648	G2300	Valves	Seat Ring Final Stellite	20-C150-FV-BW-WCB
649	G2301	Valves	Flap Final Stellite	16-C300-FV-WCB
650	G2350	New HM	Body Machining	14-C600-RV-BW-WCB/WCC/WC9/C12A
651	G2355	New HM	Disk Final	16-C600-RV-BW-WCB/WCC/WC9/C12A
652	G2358	New HM	Disk Rough	16-C600-RV-BW-WCB/WCC/WC9/C12A
653	G2359	New HM	Disk Nut	14-C600-RV-BW-WCB/WCC/WC9/C12A
654	G2360	New HM	Disk Nut	16-C300-RV-BW-WCB/WCC/WC9/C12A
655	G2361	New HM	Disk Nut	16-C600-RV-BW-WCB/WCC/WC9/C12A
656	G2362	New HM	Seat Ring Final	14-C600-RV-BW-WCB/WCC/WC9/C12A
657	G2364	New HM	Seat Ring Final	16-C600-RV-BW-WCB/WCC/WC9/C12A
658	G2365	New HM	Stem	14-C600-RV-MO-WCB/WCC/WC9/C12A
659	G2367	New HM	Stem	16-C600-RV-MO-WCB/WCC/WC9/C12A
660	G2368	New HM	Gland Flange	14-C600-RV-BW-WCB/WCC/WC9/C12A
661	G2369	New HM	Gland Flange	16-C300-RV-BW-WCB/WCC/WC9/C12A
662	G2370	New HM	Gland Flange	16-C600-RV-BW-WCB/WCC/WC9/C12A
663	G2371	New HM	Key	14-C600-RV-BW-WCB/WCC/WC9/C12A
664	G2372	New HM	Key	16-C600-RV-BW-WCB/WCC/WC9/C12A

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
665	G2373	New HM	Stopper	14-C600-RV-BW-WCB/WCC/WC9/C12A
666	G2374	New HM	Stopper	16-C300-RV-BW-WCB/WCC/WC9/C12A
667	G2375	New HM	Stopper	16-C600-RV-BW-WCB/WCC/WC9/C12A
668	G2376	New HM	Sunk Key	16-C300-RV-BW-WCB/WCC/WC9/C12A
669	G2377	New HM	Yoke Machining	14-C600-RV-BW-WCB/WCC/WC9/C12A
670	G2397	Valves	Body Machining	24-C150-FV-FL-WCB/CF8M
671	G2397a	Valves	Body Machining	24-C150-FV-FL-WCB/CF8M
672	G2398	Valves	Flap Final	24-C150-FV-FL-WCB
673	G2398a	Valves	Flap Final	24-C150-FV-FL-CF8M
674	G2398b	Valves	Final flap stellited	24-C150-FV-FL-CF8M
675	G2400	Valves	Seat Ring Final	24-C150-FV-FL-WCB
676	G2400a	Valves	Seat Ring Final	24-C150-FV-FL-CF8M
677	G2400b	Valves	Seat Ring final Stellited	24-C150-FV-FL-CF8M
678	G2402	Valves	SCREW PLUG M56X2-5107	24-C150-FV-FL-WCB
679	G2404	Valves	RIGHT/LEFT SIDE LUG	24-C150-FV-FL-WCB
680	G2404a	Valves	RIGHT/LEFT SIDE LUG	24-C150-FV-FL-CF8M
681	G2405	New HM	SEATRING ROUGH-NH50	14-C600-RV-WCB
682	G2435	Valves	LOCK HOOK-W789	20-C300-GV-BW-GO-WCB
683	G2437	Valves	Body Machining	10-C300-GV-FL NC
684	G2438	Valves	Disk Rough	12-C300-SV-WCB
685	G2438a	Valves	DISK ROUGH-P639	12-C300-SV-FL-GO-CF8M
686	G2439	Valves	Disk Final	12-C300-SV-WCB
687	G2439a	Valves	DISK Final Stellited - P639	12-C300-SV-FL-GO-CF8M
688	G2440	Valves	Seat Ring Rough	16-C600-RV-WCB
689	G2449	Valves	Disc Nut	16-C150-FV-FL-WCB
690	G2450	Valves	Body Machining	26-C300-GV-BW-WCB
691	G2451	Valves	Wedge Rough	26-C300-GV-BW-WCB
692	G2452	Valves	Bonnet Machining	26-C300-GV-BW-WCB
693	G2453	Valves	Yoke Machining	26-C300-GV-BW-WCB
694	G2454	Valves	Lantern Ring	10-C300-RV-CF8M
695	G2456	Valves	Body Machining	14-C300-FV-BW-CF8M
696	G2461	Valves	Body Machining	16-C150-FV-FL-WCB
697	G2462	Valves	Cover	16-C150-FV-FL-WCB
698	G2463	Valves	ARM ASSY	16-C150-FV-FL-WCB
699	G2465	Valves	Flap Rough	16-C150-FV-FL-WCB
700	G2466	Valves	Hinge Pin	16-C150-FV-FL-WCB
701	G2467	Valves	Bottom Flange	12-C150-GV-WCB
702	G2468	Valves	Cover	14-C300-FV-BW-CF8M
703	G2472	Valves	Yoke Machining	32-C150-GV-MO-WCB
704	G2473	Valves	Body Machining	32-C150-GV-BW-WCB
705	G2474	Valves	Nut	24-C150-FV-WCB
706	G2488	Valves	Disk Rough Stellite	2-C300-RV-CF8M

Valves - List of Items for which additional sources are required for Job Work

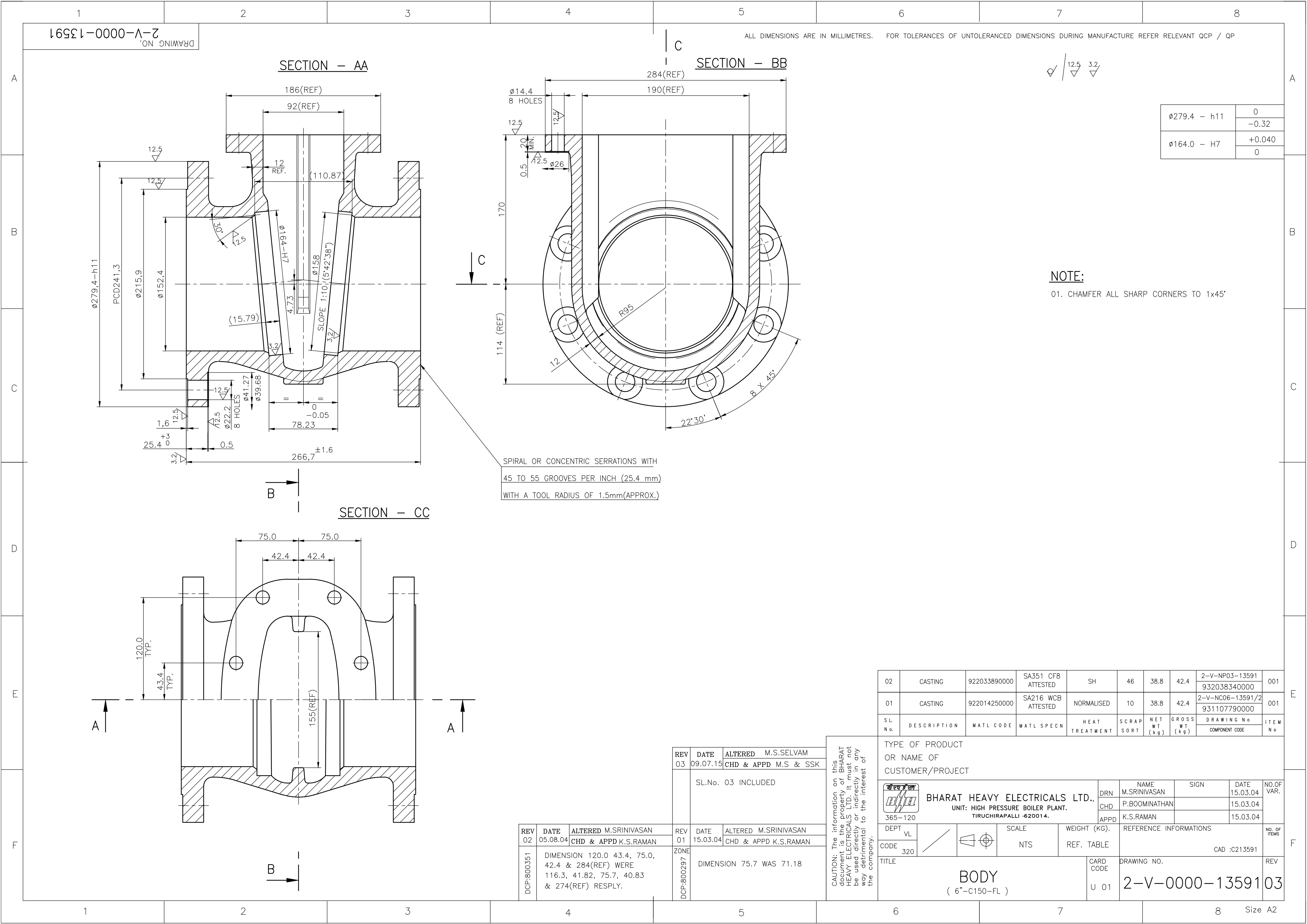
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S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
707	G2489	Valves	Lock Plate	4-C300-RV-CF8M
708	G2490	Valves	Seat Ring Rough	26-C300-GV-BW-WCB
709	G2491	Valves	Seat Ring Rough	32-C150-GV-BW-WCB
710	G2492	Valves	Disk Rough	2-C300-SV-WC6
711	G2497	HM	SCREW PLUG M56X3-U581	24-C150-FV-FL-CF8M
712	G2508	Valves	Body Machining	14-C150-FV-FL
713	G2509	Valves	Lug Machining	16-C150-FV-FL-WCB
714	G2511	HM	Bonnet Machining	32-C150-GV WCB
715	G2513	Valves	Cover Machining	14-C150-FV-FL-WCB
716	G2514	Valves	Cover Machining	16-C150-FV-FL-WCB
717	G2515	Valves	Flap Rough	14-C150-FV-FL-WCB
718	G2516	Valves	Flap Rough	18-C150-FV-FL-WCB
719	G2519	HM	Nut	24-C150-FV-FL-CF8M
720	G2521	HM	Seat Ring final	26-C300-GV-BW-WCB
721	G2523	Valves	Seat Ring Rough	18-C150-FV-FL-WCB
722	G2524	Valves	Seat Ring Rough	14-C150-FV-FL-WCB
723	G2525	HM	Seat Ring final	32-C150-GV-WCB
724	G2526	HM	Wedge Rough	32-C150-GV-WCB
725	G2527	HM	Stem Maching	32-C150-GV-WCB
726	G2463a	Valves	ARM-CF8	16-C150-FV-FL (Z089S182)
727	G2548	Valves	Seat Ring Final	2-C300-FV-BW-WC9
728	G2550a	Valves	ARM-CF8	14-C150-FV-FL (Z082S182)
729	G2551a	Valves	FLAP-CF8	14-C150-FV-FL (Z082S182)
730	G2552a	Valves	Seat Ring Final -CF8	14-C150-FV-FL (Z082S182)
731	G2550b	Valves	ARM	14-C150-FV-FL-WCB
732	G2551b	Valves	FLAP Final	14-C150-FV-FL-WCB
733	G2552b	Valves	Seat Ring Final	14-C150-FV-FL-WCB
734	G2553	Valves	BODY	18-C150-FV-FL-WCB
735	G2554	Valves	COVER	18-C150-FV-FL-WCB
736	G2555	Valves	ARM	18-C150-FV-FL-WCB
737	G2556	Valves	FLAP Final	18-C150-FV-FL-WCB
738	G2557	Valves	Seat Ring Final	18-C150-FV-FL-WCB
739	G2559	Valves	Disk Final	14-C600-SV-FL-GO-WCC
740	G2564	Valves	BYPASS TUBE-NH97	26-C300-GV-BW-MO-WCB-BP
741	G2567	Valves	LANTERN RING-NG07	26-C300-GV-BW-MO-WCB-SG
742	G2568	Valves	STEM (DO.START)-NG07	26-C300-GV-BW-MO-WCB
743	G2497a	Valves	SCREW PLUG (B7)	24-C150-FV-FL-WCB
744	G2581	Valves	BODY - P606	12-C300-SV-FL-WCB
745	G2584	Valves	Body Machining	5-C300-RV/SV-BW-WCB/WC9
746	G2585	Valves	INTERMEDIATE FL.-W200	22-C300-GV-BW-MO-WCB
747	G2571	Valves	YOKE - (SMB3/GK35.1)	16-C600-RV-BW-MO-WCC
748	G2582	Valves	BODY	10-C300-RV-FL-WCB
749	G2583	Valves	BODY-6-C600-FV-FL-WCC-Z103	6-C600-FV-FL-WCC
750	G2572	Valves	EYE BOLT	16-C600-RV-BW-MO-WCC
751	G2562	Valves	GLAND FLANGE	32-C150-GV-BW-MO-WCB
752	G2133	Valves	Body Machining	24-C150-FV-BW-WCB
753	G2147	Valves	Body Skim Cut	22-C300-GV-BW-GO-WCB

Valves - List of Items for which additional sources are required for Job Work

Annexure - I

S.No	Gr. No	Product Area	Job/Component Description	Description of Valve/ Product (Used in)
754	G2138	Valves	ARM-Z067	24-C150-FV-BW-WCB
755	G2140	Valves	DISC NUT-L804	24-C150-FV-BW-WCB
756	G2143	Valves	LUG 24"/150-L804	24-C150-FV-BW-WCB
757	G2549	Valves	SEAT RING Rough 3-C600-GV-CF8	3-C600-GV-FL-HO-CF8
758	G2558	Valves	BODY	14-C600-SV-FL-GO-WCC
759	G2560	Valves	Disk Rough	14-C600-SV-FL-GO-WCC
760	G2561	Valves	BACKSEAT ROUGH	32-C150-GV-BW-MO-WCB
761	G2563	Valves	LANTERN RING	32-C150-GV-BW-MO-WCB
762	G2565	Valves	GLAND FLANGE-V177	26-C300-GV-BW-MO-WCB
763	G2566	Valves	GLAND-0070	26-C300-GV-BW-MO-WCB
764	G2569	Valves	Back Seat Final	18-C300-RV-BW-MO-WC9
765	G2570	Valves	BACK SEAT S/F	18-C300-RV-BW-MO-WC9
766	G2580	Valves	TOPCOVER-NH03	22-C300-GV-BW-GO-WCB-SG
767	G2593	Valves	EMBADDED PLATE-E513	Extension Spindle
768	G2594	Valves	Sleeve	Extension Spindle
769	G2595	Valves	Body Machining	8-C600-FV-BW-WCC
770	G2596	Valves	Seat Ring Final	8-C600-FV-BW-WCC
771	G2597	Valves	Seat Ring Rough	8-C600-FV-BW-WCC
772	G2598	Valves	Flap Final	8-C600-FV-BW-WCC
773	G2599	Valves	Flap Rough	8-C600-FV-BW-WCC
774	G2600	Valves	Arm Assembly	8-C600-FV-BW-WCC
775	G2601	Valves	COVER-Z097	8-C600-FV-BW-WCC
776	G2605	Valves	Body Machining	10-C600-FV-BW-WCC
777	G2606	Valves	Seat Ring Final	10-C600-FV-BW-WCC
778	G2607	Valves	Seat Ring Rough	10-C600-FV-BW-WCC
779	G2608	Valves	Flap Final	10-C600-FV-BW-WCC
780	G2609	Valves	Flap Rough	10-C600-FV-BW-WCC
781	G2610	Valves	Arm Assembly	10-C600-FV-BW-WCC
782	G2611	Valves	COVER-Z098	10-C600-FV-BW-WCC
783	G2612	Valves	Body Machining	12-C300-SV-FL-GO-CF8M
784	G2603a	Valves	GUIDE BRACKET-E513	14-C150-GV-FL (Extension Spindle)
785	G2603b	Valves	GUIDE BRACKET-E518	12-C150-GV-FL (Extension Spindle)
786	G2604a	Valves	LOCK PLATE-E513	14-C150-GV-FL (Extension Spindle)
787	G2604b	Valves	LOCK PLATE-E518	12-C150-GV-FL (Extension Spindle)



16951-0000-V-2
DRAWING NO.

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

SECTION - AA

SECTION - BB

SECTION - CC

12.5 3.2

ø279.4 - h11	0
	-0.32
ø164.0 - H7	+0.040
	0

NOTE:

01. CHAMFER ALL SHARP CORNERS TO 1x45°

SPIRAL OR CONCENTRIC SERRATIONS WITH
45 TO 55 GROOVES PER INCH (25.4 mm)
WITH A TOOL RADIUS OF 1.5mm(APPROX.)

02	CASTING	922033890000	SA351 CF8 ATTESTED	SH	46	38.8	42.4	2-V-NP03-13591 932038340000	001
01	CASTING	922014250000	SA216 WCB ATTESTED	NORMALISED	10	38.8	42.4	2-V-NC06-13591/2 931107790000	001
SL No.	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No COMPONENT CODE	ITEM No

REV 03	DATE 09.07.15	ALTERED M.S.SELVAM CHD & APPD M.S & SSK
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SL.No. 03 INCLUDED

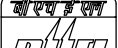
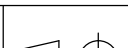
REV 02	DATE 05.08.04	ALTERED M.SRINIVASAN CHD & APPD K.S.RAMAN
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REV 01	DATE 15.03.04	ALTERED M.SRINIVASAN CHD & APPD K.S.RAMAN
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DCP:800351
DIMENSION 120.0 43.4, 75.0,
42.4 & 284(REF) WERE
116.3, 41.82, 75.7, 40.83
& 274(REF) RESPLY.

DCP:800297
DIMENSION 75.7 WAS 71.18

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.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT										
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI -620014.				DRN	NAME M.SRINIVASAN		SIGN	DATE 15.03.04	NO.OF VAR.	
				CHD	P.BOOMINATHAN		15.03.04			
				APPD	K.S.RAMAN		15.03.04			
DEPT VL			SCALE NTS	WEIGHT (KG).		REFERENCE INFORMATION				NO. OF ITEMS
CODE 320			REF. TABLE		CAD :C213591					
TITLE BODY (6"-C150-FL)				CARD CODE U 01	DRAWING NO. 2-V-0000-13591					REV 03

Size A2