



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

No.BHEL:IVP:
SC:VLV:AD
2016-17/02
Dated
17.10.2016

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 2016-17 we have to manufacture approximately 5000 Nos. of Valves in the size range of 2" to 32". The approx. value shall be Rs100 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
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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 form can also be downloaded from our website www.bhel.com available as a downloadable link at http://www.bhel.com/vender_registration/pdf/Guidelines_to_Contractors_SEARP2010Amdt_04for_web_edit.pdf

BHEL invites such vendors to visit its above located plant on any working day from Monday to Saturday between 0930 Hrs to 1730 Hrs and contact undersigned for any clarification regarding:

Items details and requirement		Vendor registration form/procedure
Sumeet Bansal Manager (Sub Contracting)	Gaurav Gangwar 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 in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	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
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

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
52	G122	Valves	Body Machining	3-C600-GV-FL-WCB/WCC/WC6/WC9
53	G122a	Valves	Body Machining	3-C600-GV-FL-CF8M
54	G133	Valves	Body Machining	4-C150-GV-FL-WCB/WCC NC Body
55	G165	Valves	Body Machining	5-C150-FV-FL-WCB/WCC/WC6/WC9
56	G169	Valves	Body Rough Machining from 6" body	5-C300-GV-BW-WCB/WCC/WC6/WC9
57	G169a	Valves	Body edge preparation only	5-C300-GV-BW-WCB/WCC/WC6/WC9
58	G180b	Valves	Body Machining	6-C150-GV-BW-WCB/WCC NC
59	G182	Valves	Body Machining	6-C150-GV-FL-WCB/WCC NC
60	G197b	Valves	Body Machining	6-C300-GV-FL-WCB/WCC NC
61	G203b	Valves	Body Skim Cut	8-C300-GV-FL CF8/CF8M
62	G433	Valves	Body Machining	6-C300-SV-FL-WC6/WC9
63	G435	Valves	Body Machining	6-C300-SV-FL-WCB/WCC/WC6/WC9
64	G440	Valves	Body Machining	8-C150-FV-BW-CF8/CF8M
65	G441	Valves	Body Machining	8-C150-FV-FL-CF8/CF8M
66	G442	Valves	Body Machining	8-C150-FV-BW-WCB/WCC
67	G443	Valves	Body Machining	8-C150-FV-FL-WCB/WCC
68	G451	Valves	Body Machining	8-C300-FV-FL-CF8/CF8M
69	G454	Valves	Body Machining	8-C300-FV-FL-WCB/WCC
70	G455	Valves	Body Machining	8-C300-RV-BW-CF8/CF8M
71	G456	Valves	Body Machining	8-C300-SV-FL-CF8/CF8M
72	G457	Valves	Body Machining	8-C300-RV-BW-WCB/WCC
73	G458	Valves	Body Machining	8-C300-RV-FL WCB/WCC
74	G1774	Valves	Body Machining	12" 600 GV FL WCB
75	G1873	Valves	Body Skim Cut	10-C600-GV-FL-WCB
76	G1874	Valves	Body Skim Cut	10-C600-GV-BW-WCB/WCC/WC6/WC9
77	G1882	Valves	Body Skim Cut	12-C600-GV-FL-GO-CF8-BP
78	G1888	Valves	Body Skim Cut	12-C600-GV-BW-GO-WCB/WCC
79	G1891	Valves	Body Skim Cut	16" 300 FV BW WCB
80	G1897	Valves	Body Skim Cut	20-150-WCB-BW-FV
81	G1902	Valves	Body Skim Cut	20-C150-GV-FL-WCB
82	G1903	Valves	Body Skim Cut	20-C150-GV-BW-WCB
83	G1904	Valves	Body Machining	20-C150-GV-FL-GO-WCB
84	G1909	Valves	Body Skim Cut	20-C300-GV-FL-WCB
85	G1910	Valves	Body Machining	20-C300-GV-BW-MO-WCB
86	G1911	Valves	Body Machining	20-C300-GV-FL-GO-WCB
87	G1916	Valves	Body Skim Cut	24-C150-GV-FL-WCB
88	G1917	Valves	Body Skim Cut	24-C150-GV-BW-MO-WCB
89	G1918	Valves	Body Machining	24-C150-GV-FL-WCB
90	G1919	Valves	Body Machining	24-C150-GV-BW-MO-WCB-BP
91	G1962	Valves	Body Machining	14-C300-WCB-BW-FV/WC9
92	G1963	Valves	Body Skim Cut	14-300-WCB-BW-FV
93	G1998	Valves	Body Machining	16-300-WCB-BW-FV/SPL
94	G2166	Valves	Body Skim Cut	18-C300-GV-BW-GO-WCB
95	G2146	Valves	Body Machining	22-C300-GV-BW-GO-WCB
96	G2008	Valves	Body Machining	20-150SPL-WCB-BW-SCV
97	G1886	Valves	Bonnet Machining	12-C600-GV-FL-GO-CF8-BP
98	G1890	Valves	Bonnet Machining	12-C600-GV-BW-GO-WCB/WCC/WC9
99	G1913	Valves	Bonnet Machining	20-C300-GV-BW-WCB/WC9
100	G1920	Valves	Bonnet Machining	24-C150-GV-FL-WCB
101	G233	Valves	Wedge Slitting	12-C150-GV-CF8M/CF8
102	G234	Valves	Wedge Slitting	12-C150-GV-WCB/WCC
103	G252	Valves	Wedge Slitting	2-C150-GV-CF8/CF8M

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
104	G257	Valves	Wedge Slitting	2-C150-GV-WCB/WCC/WC6/WC9
105	G258	Valves	Wedge Rough Machining	2-C150-GV-WCB/WCC NC Wedge
106	G262	Valves	Wedge Slitting	2-C300-GV-WCB/WCC/WC9/WC6
107	G264	Valves	Wedge Rough Machining	2-C600-GV-CF8M/CF8
108	G266	Valves	Wedge Rough Machining	2-C600-GV-WCC/WCB/WC9/WC6
109	G288	Valves	Wedge Rough Machining	4-C150-GV-WCB/WCC NC WEDGE
110	G1914	Valves	Wedge Rough Machining	20-C300-GV-BW-GO-WCB-BP
111	G1921	Valves	Wedge Rough Machining	24-C150-GV-BW-MO-WCB
112	G2150	Valves	Wedge Rough Machining	22-C300-GV-BW-GO-WCB
113	G328b	Valves	Yoke Machining (Bonnet)	12-C300-GV-MO-WCB/WCC NC
114	G333	Valves	Yoke Machining	18-C150-GV-MO-WCB/WCC
115	G340	Valves	Yoke Machining	2-C150-SV-HW-CF8/CF8M
116	G367	Valves	Yoke Machining	3-C300-RV-HW-CF8M/CF8
117	G369	Valves	Yoke Machining	3-C300-RV-MO-CF8/CF8M
118	G371	Valves	Yoke Machining	3-C300-RV-MO-WCB/WCC/WC9/WC6
119	G375	Valves	Yoke Machining	3-C600-GV-MO-WC6/WC9
120	G377	Valves	Yoke Machining	3-C600-SV-HW-WCB/WCC
121	G383	Valves	Yoke Machining	4-C150-GV-HW-WCB/WCC NC YOKE
122	G401	Valves	Yoke Machining	4-C600-GV-MO-WCB/WCC
123	G403	Valves	Yoke Machining	5-C300-GV-HW-WCB/WCC
124	G408	Valves	Yoke Machining	6-C150-GV-HW-WCB/WCC NC YOKE
125	G411	Valves	Yoke Machining	6-C150-SV-HW-CF8/CF8M
126	G510	Valves	Yoke Machining	8-C600-GV-HW-WC6/WC9
127	G2157	Valves	Yoke Machining	22-C300-GV-BW-GO-WCB
128	G1885	Valves	Yoke Machining	12-C600-GV-FL-GO-CF8-BP
129	G521	Valves	ACT FLANGE-1902	8-C150-GV-FL-GO-WCB
130	G522	Valves	ACTUATOR BASE-E363	4-C300-GV-BW-MO-WCB
131	G523	Valves	ACTUATOR BASE-E404	12-C300-GV-BW-MO-WC9
132	G524	Valves	ACTUATOR FLG-N606	8-C150-GV-BW-MO-WCB
133	G561	Valves	SLEEVE	3"-300 GV WCB
134	G602	Valves	SLEEVE-E475	8-C600-GV-BW-GO-WCB
135	G1867	Valves	SLEEVE-E112	8-C150-GV-FL-HW-WCB
136	G1945	Valves	SLEEVE-F768	12-C600-GV-BW-GO-WCB
137	G2159	Valves	SLEEVE-NE96	22-C300-GV-BW-GO-WCB
138	G608	Valves	ARM ASSY-Z047	12-C300-FV-BW-CF8M
139	G609	Valves	ARM ASSY-Z018	12-C300-FV-BW-WCB
140	G1970	Valves	ARM ASSY-Z023	14-300-WCB-BW-FV
141	G1970a	Valves	ARM ASSY-Z080	14-300-CF8M-BW-FV
142	G703	Valves	B.Seat Final F6	4-C600-GV-BW-MO-WCB
143	G646	Valves	Back Seat Final	12-C300-GV-WC6
144	G647	Valves	Back Seat Final Stellited	12-C300-GV-WCB
145	G652	Valves	Back Seat Final	14-C300-GV-WC9/C12A
146	G653	Valves	Back Seat Final	16-C150-GV-WCB
147	G654	Valves	Back Seat Final Stellited	16-C150-GV-WCB
148	G655	Valves	Back Seat Final CF8	16-C150-GV-WCB
149	G659	Valves	Back Seat Final F6	18-C150-GV-WCB
150	G660	Valves	Back Seat Final CF8	18-C150-GV-WCB
151	G661	Valves	Back Seat Final F6A	18-C150-GV-WCB
152	G666	Valves	Back Seat Final	2-C300-GV-WC6
153	G667	Valves	Back Seat Final	2-C300-GV-WCB
154	G673	Valves	Back Seat Final	2-C600-GV-WC9
155	G674	Valves	Back Seat Final	2-C600-GV-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
156	G680	Valves	B.Seat Final NC	3-C300-GV-WCB
157	G681	Valves	Back Seat Final	3-C300-GV-WCB
158	G682	Valves	Back Seat Final	3-C300-GV-WC6/WC9
159	G683	Valves	Back Seat Final	3-C300-RV-BW-HW-WC6
160	G684	Valves	Back Seat Final	3-C600-GV-BW-HW-WCB
161	G685	Valves	Back Seat Final	3-C600-GV-BW-MO-WC6/CF8M
162	G686	Valves	Back Seat Final F6	3-C600-GV-BW-MO-WCB
163	G700	Valves	Back Seat Final	4-C600-GV-BW-HW-WCC/WC6
164	G700a	Valves	Back Seat Final	4-C600-GV-BW-HW-CF8
165	G701	Valves	Back Seat Final F6	4-C600-GV-BW-HW-WC6
166	G713	Valves	Back Seat Final	6-C300-GV-WC6
167	G714	Valves	Back Seat Final Stellited	6-C300-GV-WCB
168	G715	Valves	Back Seat Final F6	6-C300-GV-WCB
169	G716	Valves	Back Seat Final	6-C300-GV-WCB
170	G2044	Valves	Back Seat Final	20-C300-GV-BW-GO-WCB/WC9
171	G2061	Valves	Back Seat Final	24-C150-GV-BW-MO-WCB-SG
172	G2062	Valves	Back Seat Final	24-C150-GV-BW-MO-WCB
173	G2153	Valves	Back Seat Final	22-C300-GV-BW-GO-WCB
174	G745	Valves	BALL-E085	4-C150-GV-FL-HW-WCB
175	G746	Valves	BALL-E086	12-C150-GV-FL-HW-WCB
176	G747	Valves	BASE BOT FLANGE-E324	16-C300-GV-BW-GO-WCB
177	G750	Valves	BOSS-P366	10-C300-RV-BW-MO-WCB
178	G751	Valves	BOTTOM FLANGE-E332	6-C600-GV-BW-HW-WCB-BP
179	G752	Valves	BOTTOM FLANGE-E378	8-C600-GV-BW-GO-WCB-SG-BP
180	G755	Valves	BOTTOM PLATE-N631	12-C300-GV-BW-HW-WCB
181	G756	Valves	BOTTOM PLATE-K268	2-C150-GV-BW-HW-WCB
182	G757	Valves	BOTTOM PLATE-N209	3-C300-GV-FL-HW-WCB
183	G759	Valves	BOTTOM PLATE-NC08	8-C150-GV-FL-HW-WCB
184	G760	Valves	BRACKET-F742	6-C600-GV-FL-HW-WCB-BP
185	G765	Valves	BRG RETAINER-N201	2-C150-GV-FL-HW-WCB
186	G773	Valves	BUSH-E480	10-C300-GV-FL-HW-WCB
187	G775	Valves	BUSH-N207	6-C150-GV-FL-HW-WCB
188	G776	Valves	BUSH-K932	8-C300-RV-BW-HW-WCB
189	G777	Valves	TUBE OF BYPASS	10-C150-GV-BP
190	G778	Valves	TUBE OF BYPASS	10-C300-GV-BP
191	G779	Valves	TUBE OF BYPASS	12-C150-GV-BP
192	G780	Valves	TUBE OF BYPASS	12-C300-GV-BP
193	G781	Valves	TUBE OF BYPASS	14-C150-GV-BP
194	G782	Valves	TUBE OF BYPASS	14-C300-GV-BP
195	G783	Valves	TUBE OF BYPASS	16-C150-GV-BP
196	G784	Valves	TUBE OF BYPASS	16-C300-GV-BP
197	G785	Valves	TUBE OF BYPASS	18-C150-GV-BP
198	G786	Valves	TUBE OF BYPASS	4-C300-GV-BP
199	G787	Valves	TUBE OF BYPASS	6-C150-GV-BP
200	G788	Valves	TUBE OF BYPASS	6-C300-GV-BP
201	G789	Valves	TUBE OF BYPASS	6-C600-GV-BP
202	G790	Valves	TUBE OF BYPASS	8-C300-GV-BP
203	G791	Valves	TUBE OF BYPASS	8-C600-GV-BP
204	G1955	Valves	TUBE OF BYPASS	12-C600-GV-FL-MO-WCB-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

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
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	G804	Valves	COMP.FL.2/600C-K246	2-C600-GV-FL-HW-WCB
216	G806	Valves	COMPANION FLANGE-K001	4-C150-GV-FL-HW-WCB
217	G814	Valves	COMP.FL.8/600C-K250	8-C600-GV-FL-GO-WCB
218	G831	Valves	CONNECTING PIN-E101	12-C150-GV-FL-HW-WCB
219	G832	Valves	CONN PIN-E100	4-C150-GV-FL-HW-WCB
220	G833	Valves	CONN TUBE-E473	12-C150-GV-FL-HW-WCB
221	G834	Valves	CONN TUBE-E353	16-C150-GV-FL-MO-WCB
222	G835	Valves	CONNECTING TUBE-E357	4-C150-GV-FL-HW-WCB
223	G836	Valves	COUPLING-E474	4-C150-GV-FL-HW-WCB
224	G846	Valves	COVER	2-1/2-C300-FV-BW-WCB
225	G849	Valves	COVER	2-C300-FV-BW-CF8
226	G850	Valves	COVER	2-C300-FV-FL-WC6
227	G851	Valves	COVER	2-C300-FV-FL-WCB
228	G1971	Valves	COVER	14-300-WCB-BW-FV/WC9
229	G890	Valves	Disk Final SV	6-C150-SV-CF8
230	G899	Valves	Disc Retainer SV	2-C150-SV-CF8
231	G908	Valves	End Cover	10-C150-GV-FL-HW-WCB
232	G909	Valves	End Cover	12-C150-GV-FL-GO-WCB
233	G910	Valves	End Cover Ext. Spindle	12-C150-GV-FL-HW-WCB
234	G911	Valves	End Cover	14-C150-GV-FL-GO-WCB
235	G912	Valves	End Cover	16-C150-GV-FL-GO-WCB
236	G913	Valves	End Cover	2-C150-GV-FL-HW-WCB
237	G914	Valves	End Cover	3-C150-GV-FL-HW-WCB
238	G915	Valves	End Cover	3-C600-GV-BW-HW-WCB
239	G916	Valves	End Cover Ext. Spindle	4-C150-GV-FL-HW-WCB
240	G917	Valves	End Cover	4-C150-GV-FL-HW-WCB
241	G919	Valves	End Cover	6-C150-GV-FL-HW-WCB
242	G921	Valves	End Cover	6-C300-GV-FL-HW-WCC
243	G922	Valves	End Cover	8-C150-GV-FL-HW-WCB
244	G925	Valves	FIXING CLAMP-K011	10-C300-GV-BW-HW-WCB
245	G926	Valves	FIXING CLAMP-U109	12-C300-GV-BW-HW-WCB
246	G927	Valves	FIXING CLAMP-K324	2-C150-GV-BW-HW-WCB
247	G928	Valves	FIXING CLAMP	3-C300-GV-FL-HW-WCB
248	G929	Valves	FIXING CLAMP-K163	8-C150-GV-BW-HW-WCB
249	G930	Valves	FIXING PLATE-E471	16-C300-GV-BW-GO-WCB
250	G931	Valves	FIXING PLATE-K011	8-C150-GV-BW-HW-WCB
251	G932	Valves	FLANGE-E377	10-C300-GV-BW-HW-WCB
252	G933	Valves	FLANGE-P474	10-C300-RV-BW-GO-WCB
253	G934	Valves	FLANGE-P366	10-C300-RV-BW-MO-WCB
254	G936	Valves	FLANGE-E046	4-C150-GV-FL-HW-WCB
255	G944	Valves	GLAND FLANGE	10-C150-GV-FL-MO-WCB
256	G946	Valves	GLAND FLANGE	10-C300-RV-BW-MO-WCB
257	G954	Valves	GLAND FLANGE	18-C150-GV-FL-GO-WCB
258	G1980	Valves	GLAND FLANGE	10-C600-GV-FL-MO-WCB-BP
259	G2068	Valves	GLAND FLANGE	24-C150-GV-BW-MO-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
260	G2155	Valves	GLAND FLANGE	22-C300-GV-BW-GO-WCB
261	G976	Valves	Gland Follower	10-C150-GV-WCB/NC
262	G983	Valves	Gland Follower	12-C300-GV-WC9
263	G988	Valves	Gland Follower	18-C150-GV-WCB
264	G991	Valves	Gland Follower	2-C150-SV-CF8
265	G997	Valves	Gland Follower	3-C300-RV-CF8M
266	G998	Valves	Gland Follower	3-C300-RV-WCB
267	G999	Valves	Gland Follower	3-C600-GV-WCB
268	G1003	Valves	Gland Follower	4-C300-GV-CF8M
269	G1005	Valves	Gland Follower	4-C600-GV-WCB
270	G1005a	Valves	Gland Follower	4-C600-GV-CF8M
271	G1009	Valves	Gland Follower	6-C150-SV-CF8
272	G1020	Valves	Gland Follower	8-C300-RV-WCB
273	G2112	Valves	Gland Follower	8-C600-GV-FL-GO-WCB
274	G2156	Valves	Gland Follower	22-C300-GV-BW-GO-WCB
275	G1021	Valves	GLAND-B001	2-C600-GV-FL-HW-WC9
276	G1023	Valves	GUIDE BRACKET AS-A982	8-C150-GV-BW-HW-WCB
277	G1024	Valves	GUIDE BRACKET AS-A985	6-C150-GV-FL-HW-WCB
278	G1025	Valves	GUIDE BUSH-E195	4-C150-GV-FL-HW-WCB
279	G1026	Valves	GUIDE BUSH-E196	12-C150-GV-FL-HW-WCB
280	G1028	Valves	H.W RETAINER-B001	2-C600-GV-FL-HW-WC6
281	G1029	Valves	H.W RETAINER-B004	6-C600-GV-BW-HW-WCB
282	G1030	Valves	H W RETAINER-1530	8-C600-GV-RTJ-HW-WC6
283	G1034	Valves	HUB-K020	10-C300-GV-BW-HW-WCB
284	G1035	Valves	HUB-E465	12-C150-GV-FL-HW-WCB
285	G1037	Valves	HUB-K357	4-C300-GV-BW-HW-WCB
286	G1039	Valves	INDICATOR DISC-N790	12-C150-GV-FL-GO-WCB
287	G1040	Valves	INDICATOR DISC-N628	12-C300-GV-BW-GO-WC9
288	G1041	Valves	INDICATOR DISC-1149	3-C600-GV-BW-HW-WCB
289	G1043	Valves	INDICATOR DISC-2935	4-C300-SV-BW-MO-WCB
290	G1045	Valves	INDICATOR DISC-N244	8-C300-GV-BW-HW-WC9
291	G1046	Valves	INDICATOR RING-1286	16-C300-GV-BW-MO-WCB
292	G1047	Valves	INDICATOR RING-B001	2-C600-GV-FL-HW-WC6
293	G1048	Valves	INDICATOR-E125	12-C150-GV-FL-HW-WCB
294	G1049	Valves	INDICATOR-N207	10-C150-GV-FL-HW-WCB
295	G1050	Valves	INDTR. ARRANGEMENT	10"-150 GV WCB
296	G1051	Valves	INDTR. ARRANGEMENT	10"-300 GV WCB
297	G1052	Valves	INDTR. ARRANGEMENT	12"-150 GV WCB
298	G1053	Valves	INDTR. ARRANGEMENT	12"-300 GV WCB/WC6/WC9
299	G1054	Valves	INDTR. ARRANGEMENT	2-C150-GV-WCB
300	G1055	Valves	INDTR. ARRANGEMENT	2-C300-GV-WCB
301	G1057	Valves	INDTR. ARRANGEMENT	3-C300-GV-WCB
302	G1058	Valves	INDTR. ARRANGEMENT	4-C150-GV-WCB/CF8M
303	G1059	Valves	INDTR. ARRANGEMENT	4-C300-GV-WCB
304	G1061	Valves	INDTR. ARRANGEMENT	6-C300-GV-WCB
305	G1062	Valves	INDTR. ARRANGEMENT	6-C600-GV-WCB
306	G1065	Valves	INDTR. ARRANGEMENT	8-C600-GV-WCB
307	G1066	Valves	JOINT END-E081	12-C150-GV-FL-HW-WCB
308	G1067	Valves	JOINT END-E091	12-C150-GV-FL-HW-WCB
309	G1068	Valves	JOINT END-E080	4-C150-GV-FL-HW-WCB
310	G1069	Valves	JOINT END-E090	4-C150-GV-FL-HW-WCB
311	G1070	Valves	LANTERN RING	10-C150-GV-CF8M-SG

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
312	G1071	Valves	LANTERN RING	12-C150-GV-WCB-SG
313	G1073	Valves	LANTERN RING	16-C150-GV-WCB-SG
314	G1077	Valves	LANTERN RING	2-C600-GV-WC6-SG
315	G1079	Valves	LANTERN RING	3-C300-GV/RV-WCB/CF8M SG
316	G1083	Valves	LANTERN RING	4-C600-GV-RTJ-HW-WCB-SG
317	G1086	Valves	LANTERN RING	6-C600-GV-WCB-SG
318	G1089	Valves	LANTERN RING	8-C600-GV-WCB-SG
319	G2161	Valves	LANTERN RING-NG12	22-C300-GV-BW-GO-WCB
320	G2072	Valves	LANTERN RING-K821	24-C150-GV-BW-MO-WCB-SG
321	G1090	Valves	LEVER ARM-M662	3-C300-SV-FL-HW-WCB
322	G1092	Valves	LEVER PIN-M662	3-C300-SV-FL-HW-WCB
323	G1096	Valves	LOCK BUSH-N213	12-C300-GV-BW-GO-WCB
324	G1098	Valves	LOCK BUSH-N204	8-C600-GV-FL-GO-WCB
325	G1099	Valves	LOCK HOOK-N206	10-C150-GV-BW-HW-WCB
326	G1100	Valves	LOCK HOOK-NC51	12-C150-GV-FL-GO-WCB
327	G1101	Valves	LOCKING ARRGT.HOOK	12-C300-GV-BW-GO-WCB
328	G1103	Valves	LOCKING ARRGT.HOOK	16-C150-GV-FL-GO-WCB
329	G1104	Valves	LOCK HOOK-N201	2-C150-GV-FL-HW-CF8
330	G1105	Valves	LOCK HOOK-N204	2-C600-GV-FL-HW-WCB
331	G1106	Valves	LOCK HOOK-N213	6-C600-GV-BW-HW-WCB
332	G1107	Valves	LOCK HOOK-N205	8-C150-GV-BW-HW-WCB
333	G1108	Valves	LOCK HOOK-N954	8-C600-GV-FL-GO-WCB
334	G1109	Valves	LOCK PLATE	10-C150-GV-BW-HW-WCB
335	G1111	Valves	LOCK PLATE	12-C150/300-GV-FL-GO-WCB
336	G1113	Valves	LOCK PLATE	14-C150-GV-FL-GO-WCB
337	G1114	Valves	LOCK PLATE	2-C150-GV-FL-HW-CF8
338	G1116	Valves	LOCK PLATE	3-C600-GV-BW-HW-WCB
339	G1119	Valves	LOCK PLATE	6-C600-GV-BW-HW-WCB
340	G1122	Valves	LOCK PLATE	8-C600-GV-FL-GO-WCB
341	G1124	Valves	MOUNTING PLATE-N206	10-C150-GV-FL-HW-WCB
342	G1125	Valves	MOUNTING PLATE-N207	12-C150-GV-FL-HW-WCB
343	G1126	Valves	MOUNTING PLATE-K922	3-C300-GV-FL-HW-WCB
344	G1127	Valves	MOUNTING PLATE-N204	6-C150-GV-FL-HW-WCB
345	G1128	Valves	MOUNTING PLATE-N205	8-C150-GV-FL-HW-WCB
346	G1129	Valves	PILLAR-E235	12-C150-GV-FL-HW-WCB
347	G1131	Valves	PILLAR	16-C300-GV-BW-GO-WCB
348	G1135	Valves	PIN-N812	12-C300-GV-BW-GO-WCB
349	G1139	Valves	PIN-1450	2-C600-GV-BW-HW-WCB
350	G1140	Valves	PIN-E065	4-C150-GV-FL-HW-WCB
351	G1141	Valves	PIN-E105	4-C150-GV-FL-HW-WCB
352	G1142	Valves	PIN-E115	4-C150-GV-FL-HW-WCB
353	G1143	Valves	PIN-K661	6-C300-SV-FL-HW-WCB
354	G1144	Valves	PLUG-5159	10-C300-FV-FL-WCB
355	G1146	Valves	PLUG 1/4 NPT-C281	2-C300-GV-BW-HW-WCB
356	G1147	Valves	PLUG	3-C150-FV-FL-CF8/CF8M
357	G1148	Valves	PLUG-5196	4-C300-FV-BW-CF8
358	G1149	Valves	PLUG 3/4 NPT (F316)-5196	6-C150-FV-FL-CF8
359	G1150	Valves	PLUG-5182	6-C300-FV-FL-WC9
360	G1151	Valves	PLUG-Z001	8-C150-FV-FL-CF8
361	G1152	Valves	PLUG	8-C150-FV-FL-WCB
362	G1153	Valves	PLUG	8-C300-FV-BW-WC9/WCB
363	G1154	Valves	PLUG	8-C300-GV-BW-MO-WC6

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
364	G1155	Valves	SCREW PLUG - 1/2-F604	4-C300-GV-BW-HW-WCB
365	G1181	Valves	RETAINER BOSS-P366	10-C300-RV-WCB
366	G1182	Valves	RETAINER GUIDE-P366	10-C300-RV-WCB
367	G1183	Valves	RETAINER-N207	10-C150-GV-WCB
368	G1185	Valves	RETAINER-N631	12-C300-GV-WCB
369	G1186	Valves	RETAINER-K585	16-C150-GV-WCB
370	G1187	Valves	RETAINER-1217	16-C300-GV-WCB
371	G1188	Valves	RETAINER-NC02	2-C150-GV-WCB
372	G1189	Valves	RETAINER-F502	3-C600-GV-WCB
373	G1191	Valves	RETAINER-S836	6-C300-GV-WCB
374	G1202	Valves	Disc Retainer RV	10-C300-RV-WCB
375	G1206	Valves	RING OF INDEX-K333	2-C300-RV-FL-HW-WCB
376	G1208	Valves	RING OF INDEX-K335	6-C300-RV-FL-HW-WCB
377	G1209	Valves	RING OF INDEX	8-C300-RV-BW-HW-WCB
378	G1211	Valves	SCALE OF INDEX-K333	2-C300-RV-FL-HW-WCB
379	G1212	Valves	SCALE OF INDEX	3-C300-RV-FL-HW-WCB
380	G1213	Valves	SCALE OF INDEX-2886	4-C300-RV-FL-HW-WCB
381	G1214	Valves	SCALE OF INDEX	6-C300-SV-BW-HW-WCB
382	G1215	Valves	SCALE OF INDEX-2925	8-C300-RV-BW-HW-WCB
383	G1237	Valves	Seat Ring Final	12-C300-FV-BW-CF8M
384	G1238	Valves	Seat Ring Final Stellited	12-C300-FV-FL-WCB
385	G1239	Valves	Seat Ring Final	12-C300-FV-FL-WCB
386	G1244	Valves	Seat Ring Final Stellited	14-C150-GV-BW-GO-WCB
387	G1245	Valves	Seat Ring Final	14-C150-GV-WCB
388	G1246	Valves	Seat Ring Final	14-C300-GV-BW-MO-WC9/C12A
389	G1247	Valves	Seat Ring Final	14-C300-GV-FL-GO-CF8
390	G1248	Valves	Seat Ring Final Stellited	14-C300-GV-FL-GO-WCB
391	G1249	Valves	Seat Ring Final	14-C300-GV-FL-MO-WCB
392	G1250	Valves	Seat Ring Final Stellited	16-C150-GV-BW-MO-WCB
393	G1251	Valves	Seat Ring Final	16-C150-GV-WCB
394	G1252	Valves	Seat Ring Final	16-C300-GV-FL-GO-WCB
395	G1253	Valves	Seat Ring Final	16-C300-GV-FL-MO-WC9
396	G1254	Valves	Seat Ring Final Stellited	16-C400-GV-BW-GO-WCB
397	G1255	Valves	Seat Ring Final	18-C150-GV-BW-MO-WCB
398	G1256	Valves	Seat Ring Final Stellited	18-C150SPL-GV-WCB
399	G1294	Valves	Seat Ring Final Stellite	4-C150-FV-CF8/CF8M
400	G1295	Valves	Seat Ring Final Stellite	4-C150-FV-FL-WCB
401	G1320	Valves	Seat Ring Final Stellite	6-C150-FV-BW-CF8/CF8M
402	G1321	Valves	Seat Ring Final	6-C150-FV-FL-CF8M
403	G1322	Valves	Seat Ring Final Stellite	6-C150-FV-BW-WCB
404	G1323	Valves	Seat Ring Final	6-C150-FV-FL-WCB
405	G2073	Valves	Seat Ring Final Stellite	24-C150-GV-BW-MO-WCB K902
406	G2074	Valves	Seat Ring Final	24-C150-GV-FL-MO-WCB
407	G2148	Valves	Seat Ring Final	22-C300-GV-BW-GO-WCB
408	G1372	Valves	SPIN EXTN PIN-E324	16-C300-GV-BW-GO-WCB
409	G1374	Valves	SPIN. BOTTOM FL.-E407	4-C300-GV-BW-MO-WCB
410	G1376	Valves	SPINDLE EXTN TUBE-E467	4-C300-GV-BW-MO-WCB
411	G1377	Valves	SPINDLE EXTN UNIT-E074	12-C150-GV-FL-HW-WCB
412	G1378	Valves	SPINDLE EXTN UNIT-E332	6-C600-GV-BW-HW-WCB
413	G1379	Valves	SPINDLE EXTN UNIT-E456	10-C300-GV-BW-HW-WCB
414	G1380	Valves	SPINDLE TOP-E465	12-C150-GV-FL-HW-WCB
415	G1381	Valves	SPIN EXTN TOP-E423	12-C300-GV-BW-MO-WC9

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
416	G1382	Valves	SPINDLE TOP-E474	4-C150-GV-FL-HW-WCB
417	G1383	Valves	SPINDLE EXTN TOP-E363	4-C300-GV-BW-MO-WCB
418	G1389	Valves	SPINDLE-E203	4-C150-GV-FL-HW-WCB
419	G1390	Valves	SPINDLE-E363	4-C300-GV-BW-MO-WCB
420	G1391	Valves	SPINDLE-E475	8-C600-GV-BW-GO-WCB
421	G1393	Valves	STAND ASSY	4-C300-GV-BW-MO-WCB
422	G1394	Valves	STAND ASSY-E460	12-C300-GV-BW-MO-WC9
423	G1395	Valves	STAND ASSY-E463	18-C150-GV-BW-GO-WCB
424	G1396	Valves	STAND BOTTOM FL.-E407	4-C300-GV-BW-MO-WCB
425	G1397	Valves	STAND TUBE-E456	10-C300-GV-BW-HW-WCB
426	G1399	Valves	STAND TUBE-E463	18-C150-GV-BW-GO-WCB
427	G1400	Valves	STAND TUBE-E467	4-C300-GV-BW-MO-WCB
428	G1413	Valves	STEM	14-C150-GV-WCB
429	G1414	Valves	STEM (with Hard Chrome Plating)	14-C300-GV-WC9
430	G1415	Valves	STEM	14-C300-GV-CF8
431	G1416	Valves	STEM	14-C300-GV-WCB
432	G1417	Valves	STEM	16-C150-GV-WCB
433	G1420	Valves	STEM	18-C150-GV-BW-GO-WCB
434	G1941	Valves	STEM	12-C600-GV-FL-CF8/WCB/WC9
435	G2057	Valves	STEM	20-C300-GV-BW-GO-WCB
436	G2058	Valves	STEM	20-C300-GV-BW-MO-WCB
437	G2080	Valves	STEM	24-C150-GV-FL-GO-WCB
438	G2081	Valves	STEM	24-C150-GV-BW-MO-WCB
439	G1479	Valves	STOPPER-B001	2-C600-GV-FL-HW-WC6
440	G1480	Valves	STOPPER-E471	16-C300-GV-BW-GO-WCB
441	G1482	Valves	STRIKER PLATE-N209	3-C300-GV-FL-HW-WCB
442	G1483	Valves	STRIKER PLATE C-K268	4-C300-GV-BW-HW-WCB
443	G1485	Valves	STRIKER-E488	10-C300-GV-BW-HW-WCB
444	G1486	Valves	SUNK KEY-W057	16-C150-GV-FL-MO-WCB
445	G1487	Valves	SUPPORT BRACKET-E460	12-C300-GV-BW-MO-WC9
446	G1488	Valves	SUPPORT BRACKET-E463	18-C150-GV-BW-GO-WCB
447	G1489	Valves	SUPPORT BRACKET	4-C300-GV-BW-MO-WCB
448	G1490	Valves	SUPPORT PLATE-B676	8-C600-GV-FL-GO-WCB
449	G1491	Valves	SUPPORT PLATE-F742	6-C600-GV-FL-HW-WCB
450	G1492	Valves	SWITCH BRACKET-E471	16-C300-GV-BW-GO-WCB
451	G1493	Valves	SWITCH BRACKET-K325	12-C300-GV-BW-GO-WCB
452	G1496	Valves	THRUST BASE-E387	16-C300-GV-BW-GO-WCB
453	G1497	Valves	THRUST BASE-E363	4-C300-GV-BW-MO-WCB
454	G1498	Valves	THRUST BASE-E475	8-C600-GV-BW-GO-WCB
455	G1500	Valves	THRUST PLATE-P366	10-C300-RV-BW-MO-WCB
456	G1504	Valves	TIE ROD-A982	8-C150-GV-BW-HW-WCB
457	G1505	Valves	TIE ROD-A985	6-C150-GV-FL-HW-WCB
458	G1506	Valves	TOP COVER-1084	6-C150-GV-FL-MO-WCB
459	G1507	Valves	TOP COVER-B004	12-C150-GV-FL-MO-WCB
460	G1508	Valves	TOP FLANGE-E378	8-C600-GV-BW-GO-WCB
461	G1510	Valves	TOPCOVER-N795	6-C150-GV-FL-MO-WCB
462	G1511	Valves	TRIP ROD-P474	10-C300-RV-BW-GO-WCB
463	G1516	Valves	TUBE	16-C150-GV-FL-MO-WCB
464	G1519	Valves	TUBE	2-C300-GV-BW-HW-WCB
465	G1520	Valves	TUBE	2-C600-GV-FL-HW-WC6
466	G1522	Valves	TUBE	3-C600-GV-BW-HW-WCB
467	G1527	Valves	TUBE	6-C150-GV-BW-MO-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
468	G1529	Valves	TUBE	6-C300-RV-BW-MO-WCB
469	G1533	Valves	TUBE	8-C300-RV-BW-MO-WCB
470	G1534	Valves	UNIVERSAL JOINT-E095	4-C150-GV-FL-HW-WCB
471	G1535	Valves	VB6SPINDLE EXTN UNIT-E467	4-C300-GV-BW-MO-WCB
472	G1536	Valves	WASHER-S568	8-C300-GV-BW-HW-CF8M
473	G1537	Valves	WASHER-S605	6-C150-GV-FL-HW-WCB
474	G1538	Valves	WASHER-W057	16-C150-GV-FL-MO-WCB
475	G1550	Valves	YOKE BUSH NI RES-K386	2-C150-GV-BW-HW-WCB
476	G1551	Valves	YOKE BUSH-NI RES-N201	2-C150-GV-FL-HW-CF8
477	G1552	Valves	YOKE BUSH-NC02	2-C150-GV-FL-HW-WCB
478	G1553	Valves	YOKE BUSH-2880	2-C150-SV-FL-HW-CF8
479	G1555	Valves	YOKE BUSH-2477	2-C300-RV-FL-HW-WCB
480	G1556	Valves	YOKE BUSH-B001	2-C600-GV-FL-HW-WC6
481	G1557	Valves	YOKE BUSH-B101	2-C600-GV-FL-HW-WCB
482	G1559	Valves	YOKE BUSH-NI RESIST	2-C600-GV-FL-HW-WCB
483	G1561	Valves	YOKE BUSH-NC03	3-C150-GV-FL-HW-WCB
484	G1562	Valves	YOKE BUSH-2685	3-C300-RV-BW-HW-CF8M
485	G1564	Valves	YOKE BUSH-F602	3-C600-GV-BW-HW-WCB
486	G1568	Valves	YOKE BUSH-NC04	4-C150-GV-FL-HW-WCB
487	G1569	Valves	YOKE BUSH-N251	4-C300-GV-FL-HW-WCB
488	G1570	Valves	YOKE BUSH NI-RE-2690	4-C300-SV-BW-HW-WCB
489	G1571	Valves	YOKE BUSH-NI RES-N204	6-C150-GV-BW-HW-CF8M
490	G1572	Valves	YOKE BUSH-N218	6-C150-GV-FL-HW-WCB
491	G1574	Valves	YOKE BUSH-2883	6-C150-SV-FL-HW-CF8
492	G1576	Valves	YOKE BUSH NI-RE-2928	6-C300-SV-BW-HW-CF8M
493	G1577	Valves	YOKE BUSH-N009	8-C150-GV-FL-HW-WCB
494	G1578	Valves	YOKE BUSH-NC08	8-C150-GV-FL-HW-WCB
495	G1579	Valves	YOKE BUSH-NI RES-N205	8-C150-GV-FL-HW-WCB
496	G1580	Valves	YOKE BUSH NI RES-K387	8-C300-GV-BW-HW-WCB
497	G1582	Valves	YOKE BUSH-P338	8-C300-SV-FL-HW-WCB
498	G1583	Valves	YOKE BUSH-F608	8-C600-GV-BW-HW-WCB
499	G1777	Valves	YOKE BUSH-Z065	10-C300-FV-BW-WCB-NON SLAM
500	G1991	Valves	TUBE OF BYPASS-F546	10-C600-GV-FL-MO-WCB-BP
501	G2149	Valves	Seat Ring Rough	22-C300-GV-BW-GO-WCB
502	G1933	Valves	Back Seat Rough	12-C600-GV-FL-GO-CF8-BP
503	G1943	Valves	Back Seat Rough	12-C600-GV-BW-GO-WCB/WC9
504	G2045	Valves	Back Seat Rough	20-C300-GV-BW-GO-WCB/WC9
505	G2063	Valves	Back Seat Rough	24-C150-GV-BW-MO-WCB-SG
506	G2064	Valves	Back Seat Rough	24-C150-GV-BW-MO-WCB
507	G2154	Valves	Back Seat Rough	22-C300-GV-BW-GO-WCB
508	G1765	Valves	Rib	16-C150-GV-FL-MO-WCB
509	G1767	Valves	GLAND ASSY-E465	12-C150-GV-FL-HW-WCB
510	G1768	Valves	GLAND ASSY-E474	4-C150-GV-FL-HW-WCB
511	G1776	Valves	SPINDLE-Z065	10-C300-FV-BW-WCB-NON SLAM
512	G1778	Valves	LEVER-Z065	10-C300-FV-BW-WCB-NON SLAM
513	G1779	Valves	CONNECTOR-Z065	10-C300-FV-BW-WCB-NON SLAM
514	G1780	Valves	PRALLEL KEY-Z065	10-C300-FV-BW-WCB-NON SLAM
515	G1828	Valves	STUD-5402	10-C150-GV-BW-MO-WCB
516	G1829	Valves	STUB-1123	10-C150-GV-FL-MO-WCB
517	G1830	Valves	STUB-1130	10-C300-GV-FL-GO-WCB
518	G1831	Valves	STUD-E159	12-C150-GV-FL-HW-WCB
519	G1832	Valves	STUD-N204	2-C300-GV-BW-HW-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
520	G1833	Valves	STUD-N204	2-C600-GV-FL-HW-WC9
521	G1834	Valves	STUD-K247	3-C600-GV-FL-HW-WCB
522	G1835	Valves	STUD-K248	4-C600-GV-FL-HW-WCB
523	G1836	Valves	STUB-1708	8-C150-GV-BW-MO-WCB
524	G1837	Valves	STUD-5618	8-C150-GV-FL-MO-WCB
525	G1838	Valves	STUD-B023	8-C300-FV-BW-WC9
526	G1839	Valves	SW FLANGE 2/300-A941	2-C300-SV-FL-HW-WCB
527	G1840	Valves	SW FLANGE 3/150-A942	3-C150-GV-FL-HW-WCB
528	G1841	Valves	SW FLANGE 3/300-A943	3-C300-RV-FL-MO-WCB
529	G1842	Valves	GLAND PIN-2880	2-C150-SV-FL-HW-CF8
530	G1843	Valves	GLAND PIN-2883	6-C150-SV-FL-HW-CF8
531	G1844	Valves	INDICATOR PIN-B007	2-C600-GV-FL-HW-WC6
532	G1845	Valves	INDICATOR PIN-E332	6-C600-GV-BW-HW-WCB
533	G1846	Valves	INDICATOR PIN-E471	16-C300-GV-BW-GO-WCB
534	G1847	Valves	INDICATOR STUD-C434	16-C300-GV-BW-MO-WCB
535	G1848	Valves	INDICATOR STUD-B002	2-C600-GV-FL-HW-WC6
536	G1849	Valves	INDICATOR STUD-2922	4-C300-SV-BW-MO-WCB
537	G1850	Valves	INDICATOR STUD-2893	6-C300-SV-FL-MO-WCB
538	G1851	Valves	INT.FLANGE-NC51	12-C150-GV-FL-GO-WCB
539	G1852	Valves	INT.FLANGE-K982	12-C150-GV-FL-MO-WCB
540	G1853	Valves	INT.FLANGE-E423	16-C150-GV-FL-MO-WCB
541	G1854	Valves	INT.FLANGE-E471	16-C300-GV-BW-GO-WCB
542	G1855	Valves	INT.FLANGE-E363	4-C300-GV-BW-MO-WCB
543	G1856	Valves	INT.FLANGE-F503	4-C600-GV-BW-MO-WCB
544	G1857	Valves	INT.FLANGE-K981	8-C150-GV-FL-MO-WCB
545	G1858	Valves	INT.FLANGE-E475	8-C600-GV-BW-GO-WCB
546	G1859	Valves	INT. FLANGE-F508	8-C600-GV-RTJ-HW-WC6
547	G1860	Valves	LIMIT SWITCH PIN-P474	10-C300-RV-BW-GO-WCB
548	G1861	Valves	LOCK NUT-N206	10-C150-GV-FL-HW-WCB
549	G1862	Valves	LOCK NUT-N207	12-C150-GV-FL-HW-WCB
550	G1863	Valves	LOCK NUT-N204	6-C150-GV-FL-HW-WCB
551	G1864	Valves	LOCK NUT-N205	8-C150-GV-FL-HW-WCB
552	G1865	Valves	SSW FLANGE-A857	2-C300-SV-FL-HW-CF8
553	G1866	Valves	SSW FLANGE-A858	3-C300-RV-FL-MO-CF8
554	G1868	Valves	PIN-E117	8-C150-GV-FL-HW-WCB
555	G1869	Valves	TUBE-E052	6-C150-GV-FL-HW-WCB
556	G1870	Valves	CONN TUBE-E487	6-C150-GV-FL-HW-WCB
557	G1871	Valves	MOUNTING BRACKET-E488	10-C300-GV-BW-HW-WCB
558	G1872	Valves	CONN TUBE -E488	10-C300-GV-BW-HW-WCB
559	G1898	Valves	COVER-Z021	20-150-WCB-BW-FV
560	G1938	Valves	TUBE OF BYPASS-F510	12-C600-GV-FL-GO-CF8-BP
561	G1948	Valves	PIN-F768	12-C600-GV-BW-GO-WCB
562	G1954	Valves	TUBE-1782	12-C600-GV-FL-MO-WCB-BP
563	G1958	Valves	WEDGE MATCHING WITH BODY	18"-150 GV WCB
564	G1959	Valves	WEDGE MATCHING WITH BODY	20"-150 GV WCB
565	G1960	Valves	WEDGE MATCHING WITH BODY	20"-300-GV-WCB
566	G1961	Valves	WEDGE MATCHING WITH BODY	24"-150 GV WCB
567	G1969	Valves	DISC NUT-L802 (FLAP NUT)	14-300-WCB-BW-FV
568	G1982	Valves	INDICATOR ARRANGEMENT-F509	10-C600-GV-BW-HW-WCB
569	G1983	Valves	INDICATOR ARRGT.-F506	10-C600-GV-BW-GO-WCB-SG
570	G1995	Valves	CAP ASSEMBLY-N972	14-C150-GV-FL-MO-WCB
571	G1997	Valves	CAP TUBE-N972	14-C150-GV-FL-MO-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
572	G2000	Valves	DISC NUT-L705	16-300SPL-WCB-BW-FV
573	G2001	Valves	KNOCK PIN D16X25-Z029	16-300SPL-WCB-BW-FV
574	G2009	Valves	KNOCK PIN D16X27-L805	20-150-WCB-BW-FV
575	G2010	Valves	KNOCK PIN D16X27-L805	20-150-WCB-BW-FV
576	G2011	Valves	LUG-Z021	20-150-WCB-BW-FV
577	G2023	Valves	CAP ASSEMBLY-N231	20-C150-GV-BW-GO-WCB-BP
578	G2024	Valves	CAP ASSEMBLY-N579	20-C150-GV-BW-MO-WCB-SG
579	G2025	Valves	CAP TUBE-N231	20-C150-GV-BW-GO-WCB-BP
580	G2026	Valves	CAP TUBE-N579	20-C150-GV-BW-MO-WCB-SG
581	G2030	Valves	INDICATOR RING-N224	20-C150-GV-FL-GO-WCB
582	G2032	Valves	S G PLUG-N370	20-C150-GV-BW-MO-WCB-SG
583	G2040	Valves	TUBE-1780	20-C150-GV-BW-MO-WCB-SG
584	G2046	Valves	BRACKET-C364	20-C300-GV-FL-GO-WCB-BP
585	G2066	Valves	COVER-1083	24-C150-GV-BW-MO-WCB-SG
586	G2069	Valves	INDICATOR RING-1757	24-C150-GV-FL-GO-WCB
587	G2070	Valves	INDICATOR STUD M20X210 -N722	24-C150-GV-FL-GO-WCB
588	G2082	Valves	STUD M20X140 -N436	24-C150-GV-FL-GO-WCB
589	G2093	Valves	WEDGE MATCHING WITH BODY	2-150 GV
590	G2094	Valves	WEDGE MATCHING WITH BODY	2-300 GV
591	G2095	Valves	WEDGE MATCHING WITH BODY	3-150 GV
592	G2096	Valves	WEDGE MATCHING WITH BODY	3-300 GV
593	G2097	Valves	WEDGE MATCHING WITH BODY	4-150 GV
594	G2098	Valves	WEDGE MATCHING WITH BODY	4-300 GV
595	G2099	Valves	WEDGE MATCHING WITH BODY	6-150 GV
596	G2100	Valves	WEDGE MATCHING WITH BODY	6-300 GV
597	G2102	Valves	BODY ASSY WITH WEDGE 3-150 GV BW	3-150 GV BW WCB
598	G2103	Valves	BODY ASSY WITH WEDGE 3-150 GV FL	3-150 GV FL WCB
599	G2104	Valves	BODY ASSY WITH WEDGE 3-300 GV BW	3-C300-GV-BW-HW-WCB
600	G2105	Valves	BODY ASSY WITH WEDGE 3-300 GV FL	3-C300-GV-FL-HW-WCB
601	G2106	Valves	BODY ASSY WITH WEDGE 4-150 GV BW	4-C150-GV-BW-HW-WCB
602	G2107	Valves	BODY ASSY WITH WEDGE 4-150 GV FL	4-C150-GV-FL-WCB
603	G2108	Valves	BODY ASSY WITH WEDGE 4-300 GV BW	4-C300-GV-BW-HW-WCB
604	G2109	Valves	BODY ASSY WITH WEDGE 4-300 GV FL	4-C300-GV-FL-HW-WCB
605	G2110	Valves	BODY ASSY WITH WEDGE 6-150 GV FL	6-C150-GV-FL-HW-WCB
606	G2111	Valves	BODY ASSY WITH WEDGE 6-150 GV BW	6-C150-GV-BW-HW-WCB
607	G2114	Valves	HUB-E489	4-C300-RV-BW-MO-WCB
608	G2116	Valves	TUBE-E352	4-C300-RV-BW-MO-WCB
609	G2117	Valves	BUSH-P408	4-C300-RV-BW-HW-CF8M
610	G2118	Valves	LEVER-P408	4-C300-RV-BW-HW-CF8M
611	G2119	Valves	BUSH (STEM)-P408	4-C300-RV-BW-HW-CF8M
612	G2120	Valves	NUT-P408	3-C300-RV-BW-HW-CF8M
613	G2121	Valves	BOTTOM PLATE-P408	3-C300-RV-BW-HW-CF8M
614	G2122	Valves	RIB-P408	3-C300-RV-BW-HW-CF8M
615	G2123	Valves	NUT	4" 150 FV WCB
616	G2126	Valves	TOP FLANGE	10-C300-GV-BW-HW-WCB
617	G2131	Valves	Test Collar Machining	10" 300 RV Test Collar Machining
618	G2132	Valves	Test Collar Machining	14" 300 FV Test Collar Machining
619	G2136	Valves	DISC -L804	24-C150-FV-BW-WCB
620	G2137	Valves	DISC ROUGH-L804	24-C150-FV-BW-WCB
621	G2144	Valves	BONNET TOP-L804	24-C150-FV-BW-WCB
622	G2162	Valves	COVER TUBE-NG12	22-C300-GV-BW-GO-WCB
623	G2163	Valves	CAP PLATE-W004	22-C300-GV-BW-GO-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
624	G2163b	Valves	CAP PLATE-W004	16/18-C300-GV-BW-GO-WCB
625	G2164	Valves	PIN-N398	22-C300-GV-BW-GO-WCB
626	G2251	Valves	STEM-E495 Extension Spindle	24-C150-GV-GO-WCB
627	G2252	Valves	Seat Ring Lapping	upto 4"
628	G2253	Valves	Sleeve ABG 25.1	10-C300-RV-WCB
629	G2255	Valves	Body Machining	10-C400-RV-BW-CF8M
630	G2256	Valves	Body Machining	2-C600-GV-BW-CF8M
631	G2261	Valves	Body Machining	12-C300-RV-BW-MO-WCB
632	G2261a	Valves	Body Machining	12-C300-RV-BW-MO-CF8M
633	G2264	Valves	Seat Ring Final (stellite)	12-C300-RV-BW-MO-WCB
634	G2264a	Valves	Seat Ring Final (stellite)	12-C300-RV-BW-MO-CF8M
635	G2265	Valves	Seat Ring Rough	12-C300-RV-BW-MO-WCB
636	G2266	Valves	Disc Final	12-C300-RV-BW-MO-WCB
637	G2266a	Valves	Disc Final	12-C300-RV-BW-MOCF8M
638	G2267	Valves	Disc Rough	12-C300-RV-BW-GO-WCB
639	G2268	Valves	Disc Nut	12-C300-RV-BW-MO-WCB
640	G2268a	Valves	Disc Nut	12-C300-RV-BW-MO-CF8M
641	G2269	Valves	Back Seat Final	12-C300-RV-BW-MO-WCB
642	G2270	Valves	Back Seat Rough	12-C300-RV-BW-MO-WCB
643	G2271	Valves	Disk Guide Rod	12-C300-RV-BW-MO-WCB
644	G2273	Valves	Gland Follower	12-C300-RV-BW-MO-WCB
645	G2274	Valves	Stopper	12-C300-RV-BW-MO-WCB
646	G2275	Valves	Sunk Key	12-C300-RV-BW-MO-WCB
647	G2277	Valves	Body Machining	6-C150-GV-BW-HW-CF8M-ND
648	G2278	Valves	Yoke Machining	6-C150-GV-BW-HW/MO-CF8M-ND
649	G2292	Valves	Seat Ring Rough	10-C300-RV-CF8M
650	G2292a	Valves	Seat Ring Rough	10-C300-RV-WCB
651	G2299	Valves	Top Flange	16-C150-GV-WCB
652	G2300	Valves	Seat Ring Final Stellite	20-C150-FV-WCB
653	G2301	Valves	Flap Final Stellite	16-C300-FV-WCB
654	G2350	Valves	Body Machining	14-C600-RV-BW-WCB/WCC/WC9/C12A
655	G2355	Valves	Disk Final	16-C600-RV-BW-WCB/WCC/WC9/C12A
656	G2358	Valves	Disk Rough	16-C600-RV-BW-WCB/WCC/WC9/C12A
657	G2359	Valves	Disk Nut	14-C600-RV-BW-WCB/WCC/WC9/C12A
658	G2360	Valves	Disk Nut	16-C300-RV-BW-WCB/WCC/WC9/C12A
659	G2361	Valves	Disk Nut	16-C600-RV-BW-WCB/WCC/WC9/C12A
660	G2362	Valves	Seat Ring Final	14-C600-RV-BW-WCB/WCC/WC9/C12A
661	G2364	Valves	Seat Ring Final	16-C600-RV-BW-WCB/WCC/WC9/C12A
662	G2365	Valves	Stem	14-C600-RV-MO-WCB/WCC/WC9/C12A
663	G2367	Valves	Stem	16-C600-RV-MO-WCB/WCC/WC9/C12A
664	G2368	Valves	Gland Flange	14-C600-RV-BW-WCB/WCC/WC9/C12A
665	G2369	Valves	Gland Flange	16-C300-RV-BW-WCB/WCC/WC9/C12A
666	G2370	Valves	Gland Flange	16-C600-RV-BW-WCB/WCC/WC9/C12A
667	G2371	Valves	Key	14-C600-RV-BW-WCB/WCC/WC9/C12A
668	G2372	Valves	Key	16-C600-RV-BW-WCB/WCC/WC9/C12A
669	G2373	Valves	Stopper	14-C600-RV-BW-WCB/WCC/WC9/C12A
670	G2374	Valves	Stopper	16-C300-RV-BW-WCB/WCC/WC9/C12A
671	G2375	Valves	Stopper	16-C600-RV-BW-WCB/WCC/WC9/C12A
672	G2376	Valves	Sunk Key	16-C300-RV-BW-WCB/WCC/WC9/C12A
673	G2377	Valves	Yoke Machining	14-C600-RV-BW-WCB/WCC/WC9/C12A
674	G2397	Valves	Body Machining	24-C150-FV-FL-WCB/CF8M
675	G2397a	Valves	Body Machining	24-C150-FV-FL-WCB/CF8M

Valves - List of Items in which machining sources are required on Job work basis Annexure I

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
676	G2398	Valves	Flap Final	24-C150-FV-FL-WCB
677	G2398a	Valves	Flap Final	24-C150-FV-FL-CF8M
678	G2400	Valves	Seat Ring Final	24-C150-FV-FL-WCB
679	G2400a	Valves	Seat Ring Final	24-C150-FV-FL-CF8M
680	G2402	Valves	SCREW PLUG M56X2-5107	24-C150-FV-FL-WCB
681	G2404	Valves	RIGHT/LEFT SIDE LUG	24-C150-FV-FL-WCB
682	G2404a	Valves	RIGHT/LEFT SIDE LUG	24-C150-FV-FL-CF8M
683	G2405	Valves	SEATRING ROUGH-NH50	14-C600-RV-WCB
684	G2435	Valves	LOCK HOOK-W789	20-C300-GV-BW-GO-WCB
685	G2437	Valves	Body Machining	10-C300-GV-FL NC
686	G2438	Valves	Disk Rough	12-C300-SV-WCB
687	G2439	Valves	Disk Final	12-C300-SV-WCB
688	G2440	Valves	Seat Ring Rough	16-C600-RV-WCB
689	G2442	Valves	SLEEVE TUBE A=243	
690	G2449	Valves	Disc Nut	16-C150-FV-FL-WCB
691	G2450	Valves	Body Machining	26-C300-GV-BW-WCB
692	G2451	Valves	Wedge Rough	26-C300-GV-BW-WCB
693	G2452	Valves	Bonnet Machining	26-C300-GV-BW-WCB
694	G2453	Valves	Yoke Machining	26-C300-GV-BW-WCB
695	G2454	Valves	Lantern Ring	10-C300-RV-CF8M
696	G2456	Valves	Body Machining	14-C300-FV-BW-CF8M
697	G2461	Valves	Body Machining	16-C150-FV-FL-WCB
698	G2462	Valves	Cover	16-C150-FV-FL-WCB
699	G2463	Valves	ARM ASSY	16-C150-FV-FL-WCB
700	G2464	Valves	Flap Final	16-C150-FV-FL-WCB
701	G2465	Valves	Flap Rough	16-C150-FV-FL-WCB
702	G2466	Valves	Hinge Pin	16-C150-FV-FL-WCB
703	G2467	Valves	Bottom Flange	12-C150-GV-WCB
704	G2468	Valves	Cover	14-C300-FV-BW-CF8M
705	G2472	Valves	Yoke Machining	32-C150-GV-MO-WCB
706	G2473	Valves	Body Machining	32-C150-GV-BW-WCB
707	G2474	Valves	Nut	24-C150-FV-WCB
708	G2488	Valves	Disk Rough Stellite	2-C300-RV-CF8M
709	G2489	Valves	Lock Plate	4-C300-RV-CF8M
710	G2490	Valves	Seat Ring Rough	26-C300-GV-BW-WCB
711	G2491	Valves	Seat Ring Rough	32-C150-GV-BW-WCB
712	G2492	Valves	Disk Rough	2-C300-SV-WC6
713	G2497	Valves	SCREW PLUG M56X3-U581	24-C150-FV-FL-CF8M
714	G2508	Valves	Body Machining	14-C150-FV-FL
715	G2509	Valves	Body Machining	16-C150-FV-FL-WCB
716	G2511	Valves	Bonnet Machining	32-C150-GV WCB
717	G2513	Valves	Cover Machining	14-C150-FV-FL-WCB
718	G2514	Valves	Cover Machining	16-C150-FV-FL-WCB
719	G2515	Valves	Flap Rough	14-C150-FV-FL-WCB
720	G2516	Valves	Flap Rough	16-C150-FV-FL-WCB
721	G2519	Valves	Nut	24-C150-FV-FL-CF8M
722	G2521	Valves	Seat Ring final	26-C300-GV-BW-WCB
723	G2522	Valves	Seat Ring final	16-C150-FV-FL-WCB
724	G2523	Valves	Seat Ring Rough	18-C150-FV-FL-WCB
725	G2524	Valves	Seat Ring Rough	14-C150-FV-FL-WCB
726	G2525	Valves	Seat Ring final	32-C150-GV-WCB
727	G2526	Valves	Wedge Rough	32-C150-GV-WCB

Valves - List of Items in which machining sources are required on Job work basis Annexure I

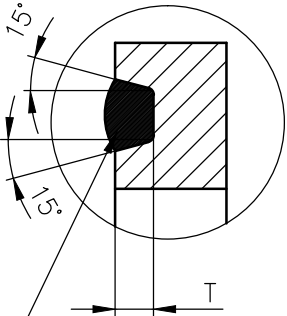
S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
728	G2527	Valves	Stem Maching	32-C150-GV-WCB
729	G2464a	Valves	FLAP-CF8	16-C150-FV-FL-WCB (Z089S182)
730	G2463a	Valves	ARM-CF8	16-C150-FV-FL-WCB (Z089S182)
731	G2548	Valves	Seat Ring Final	2-C300-FV-BW-WC9
732	G2550a	Valves	ARM-CF8	14-C150-FV-FL-WCB (Z082S182)
733	G2551a	Valves	FLAP-CF8	14-C150-FV-FL-WCB (Z082S182)
734	G2552a	Valves	Seat Ring Final -CF8	14-C150-FV-FL-WCB (Z082S182)
735	G2550b	Valves	ARM	14-C150-FV-FL-WCB
736	G2551b	Valves	FLAP Final	14-C150-FV-FL-WCB
737	G2552b	Valves	Seat Ring Final	14-C150-FV-FL-WCB
738	G2553	Valves	BODY	18-C150-FV-FL-WCB
739	G2554	Valves	COVER	18-C150-FV-FL-WCB
740	G2555	Valves	ARM	18-C150-FV-FL-WCB
741	G2556	Valves	FLAP Final	18-C150-FV-FL-WCB
742	G2557	Valves	Seat Ring Final	18-C150-FV-FL-WCB
743	G2559	Valves	Disk Final	14-C600-SV-FL-GO-WCC
744	G2564	Valves	BYPASS TUBE-NH97	26-C300-GV-BW-MO-WCB-BP
745	G2567	Valves	LANTERN RING-NG07	26-C300-GV-BW-MO-WCB-SG
746	G2568	Valves	STEM (DO.START)-NG07	26-C300-GV-BW-MO-WCB
747	G2497a	Valves	SCREW PLUG (B7)	24-C150-FV-FL-WCB
748	G2581	Valves	BODY - P606	12-C300-SV-FL-WCB
749	G2584	Valves	BODY-P619	5-C300-SV-BW-HO-WCB
750	G2585	Valves	INTERMEDIATE FL.-W200	22-C300-GV-BW-MO-WCB
751	G2133	Valves	Body Machining	24-C150-FV-BW-WCB
752	G2147	Valves	Body Skim Cut	22-C300-GV-BW-GO-WCB
753	G2138	Valves	ARM-Z067	24-C150-FV-BW-WCB
754	G2140	Valves	DISC NUT-L804	24-C150-FV-BW-WCB
755	G2143	Valves	LUG 24"/150-L804	24-C150-FV-BW-WCB
756	G2549	Valves	SEAT RING Rough 3-C600-GV-CF8	3-C600-GV-FL-HO-CF8
757	G2558	Valves	BODY	14-C600-SV-FL-GO-WCC
758	G2560	Valves	Disk Rough	14-C600-SV-FL-GO-WCC
759	G2561	Valves	BACKSEAT ROUGH	32-C150-GV-BW-MO-WCB
760	G2562	Valves	GLAND FLANGE	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	G2571	Valves	YOKE - (SMB3/GK35.1)	16-C600-RV-BW-MO-WCC
767	G2572	Valves	EYE BOLT	16-C600-RV-BW-MO-WCC
768	G2580	Valves	TOPCOVER (Speciality Item)	22-C300-GV-BW-GO-WCB-SG
769	G2582	Valves	BODY	10-C300-RV-FL-WCB
770	G2583	Valves	BODY-6-C600-FV-FL-WCC-Z103	6-C600-FV-FL-WCC

08Z56-0000-A-3																
DRAWING NO.																
SL. No.	DRAWING No.	COMP. CODE	MATL. SPECN.	SCRAP SORT	DIMENSIONS										NET WT.(kg)	SIZE/RATING
					MdxP-6g	øD	øD1	øD2	øD3	øD4	H	W	W1	T		
01	3-V-5154-95280	931055490000	SA 515 Gr.70 NR, CERTIFY	10	M230x2	222	215	222	215	203	31	213	13	2.5	1.78	8"-150 CL
02	3-V-5153-95280	931065750000			M80x2	70	64	70	64	52	19	62	8	2.5	0.24	2"-300 CL
03	3-V-5151-95280	931065760000			M185x2	175	164	175	164	152	26	162	13	2.5	1.68	6"-300 CL
04	3-V-5152-95280	931067520000			M100x2	94	88	94	88	76	19	86	8	2.5	0.38	3"-300 CL
05	3-V-5144-95280	931068220000			M130x2	122	114	122	114	102	22	112	8	2.5	0.70	4"-300 CL
06	3-V-5179-95280	931069400000			M76x2	70	64	70	64	52	19	62	8	2.5	0.20	2"-150 CL
07	3-V-5176-95280	931069410000			M175x2	171	164	171	164	152	26	162	13	2.5	1.20	6"-150 CL
08	3-V-5177-95280	931069420000			M130x2	120	114	120	114	102	22	112	8	2.5	0.72	4"-150 CL
09	3-V-5174-95280/01	931069430000			M235x2	227	215	227	215	203	31	213	13	2.5	2.19	8"-300 CL
10	3-V-Z024-95280	931095540000	SA182 F316 SH, CERTIFY	46	M100x2	94	88	94	88	76	19	86	8	2.5	0.38	3"-150 & 300 CL
11	3-V-U086-95280	931101090000	A351 CF8 SH, CERTIFY		M130x2	120	114	120	114	102	22	112	8	3	0.72	4"-150 CL FV
12	3-V-U087-95280	931101100000			M175x2	171	164	171	164	152	26	162	13	3	1.20	6"-150 CL FV
13	3-V-U088-95280	931101110000			M230x2	222	215	222	215	203	31	213	13	3	1.78	8"-150 CL FV
14	3-V-U250-95280	931302670000	A351 CF8M SH, CERTIFY		M175x2	171	164	171	164	152	26	162	13	3	1.20	6"-150 CL FV
15	3-V-U309-95280	931305810000			M130x2	120	114	120	114	102	22	112	8	3	0.72	4"-150 CL FV
16	3-V-U323-95280	931307410000			M185x2	175	164	175	164	152	26	162	13	2.5	1.68	6"-300 CL
17	3-V-U324-95280	931307430000			M130x2	122	114	122	114	102	22	112	8	2.5	0.70	4"-300 CL
18	3-V-U444-95280/01	932017470000			M235x2	227	215	227	215	203	31	213	13	2.5	2.19	8"-300 CL
19	3-V-Z078-95280	932029950000	SA 387 Gr.22 NT, CERTIFY	20	M185x2	175	164	175	164	152	26	162	13	2.5	1.68	6"-300 CL
20	3-V-U385-95280	932015240000	A351 CF8M SH, CERTIFY	46	M230x2	222	215	222	215	203	31	213	13	3	1.78	8"-150 CL FV
21	3-V-Z099-95280	932039360000	SA 387 Gr.22 NT, CERTIFY	20	M76x2	70	64	70	64	52	19	62	8	2.5	0.20	2"-150 CL

12.5/3.2/0.8/0.4/✓

DETAIL-A

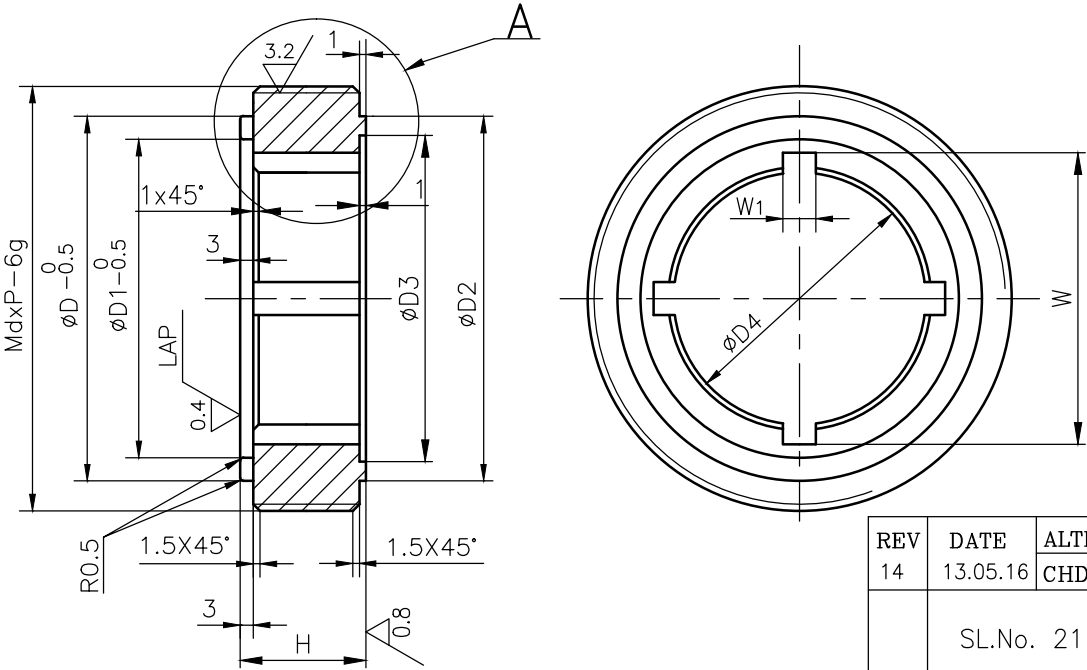
BEFORE MACHINING



STELLITE-6

NOTES:

- UNSPECIFIED SHARP CORNERS TO BE CHAMFERED TO 0.5X45°
- HARDNESS 35 HRC MINIMUM



REV 14	DATE 13.05.16	ALTERED K.NAVIN
		CHD & APPD SSK & KRS

SL.No. 21 INCLUDED.

REV 13	DATE 15.10.13	ALTERED M.SRINIVASAN
		CHD & APPD SSK & KRS

SL.No. 20 INCLUDED.

SL.No.19 INCLUDED.

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.

NO OFF	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									
CS DRAWING REDRAWN WITH REV. 12 ON 06.05.2013									
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.					DRN	NAME SSK	SIGN	DATE 06.05.13	NO.OF VAR.
365-121					CHD	SSK		06.05.13	
					APPD	KRS		06.05.13	
DEPT VL			SCALE	WEIGHT (KG).	REFERENCE INFORMATIONS				NO.OF ITEMS
CODE 320			NTS	REFER TABLE					
TITLE					CARD CODE	DRAWING NO.			REV
SEAT RING ASSY.					U 01	3-V-0000-95280			14

