

REVISED Schedule A : Fixed Rates for Associated items for Supply & Services - Rev.01
e Tender 579627

Project Length - 5 km to 50 km - Hoshiarpur & Gurdaspur GA

Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
1	CONTINUOUS CONCRETE COATING (FOR CS PIPES) Size: 323.9 (12) X 6.4 mm WT	Meter	2655
2	CONTINUOUS CONCRETE COATING (FOR CS PIPES) Size: 219.1 (8) X 6.4 mm WT	Meter	1780
3	CONTINUOUS CONCRETE COATING (FOR CS PIPES) Size: 168.3 (6) X 6.4 mm WT	Meter	1335
4	CONTINUOUS CONCRETE COATING (FOR CS PIPES) Size: 114.3 (4) X 6.4 mm WT	Meter	1167
5	12" NPS, Seamless Pipe, WT SCH 40 (ASTM A333 Gr 6)	Meter	13926
6	8" NPS, Seamless Pipe, WT SCH 40 (ASTM A333 Gr 6)	Meter	7485
7	6" NPS, Seamless Pipe, WT SCH 40 (ASTM A333 Gr 6)	Meter	5040
8	4" NPS, Seamless Pipe, WT SCH 80 (ASTMA333 Gr 6)	Meter	2786
9	3" NPS, Seamless Pipe, WT SCH 40 (ASTM A333 Gr 6)	Meter	2037
10	2" NPS, Seamless pipe, WT SCH 80 (ASTM A333 Gr 6)	Meter	1392
11	1 ½" NPS, Seamless Pipe, WT SCH 80 (ASTM A333 Gr 6)	Meter	1131
12	1" NPS, Seamless Pipe, WT SCH 80 (ASTM A333 Gr 6)	Meter	914
13	3/4" NPS, Seamless Pipe, Sch 80 (ASTMA333 Gr 6)	Meter	629
14	1/2" NPS, Seamless Pipe, Sch 80 (ASTM A333 Gr 6)	Meter	419
15	12"-90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	25600
16	8"-90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	13035
17	6"-90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	5720
18	4"-90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	2915
19	12"-60°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	14575
20	8"-60°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	5350
21	6"-60°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2750
22	4"-60°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	5000
23	12"-45°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	18260
24	8"-45°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	9925
25	6"-45°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	4050
26	4"-45°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	2090
27	12"-30°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	16170
28	8"-30°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	8690
29	6"-30°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	3850
30	4"-30°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	2035
31	12"-22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	14110
32	8"-22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	8140
33	6"-22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	3850
34	4"-22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	1950
35	12"-15°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	5850
36	8"-15°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2200
37	6"-15°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1250
38	4"-15°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	700
39	12"-10°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	2730
40	8"-10°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1525
41	6"-10°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	825
42	4"-10°, 3D BEND, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	675
43	12"-90°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	14110
44	8"-90°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	7150
45	6"-90°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2750
46	4"-90°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	1650
47	12"-60°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	6800
48	8"-60°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	3300
49	6"-60°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2080
50	4"-60°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	2000
51	12"-45°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	9875
52	8"-45°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	5500
53	6"-45°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2200
54	4"-45°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	1210
55	12"-30°, 1.5D, Elbow, BW, MSS SP Gr. 75 WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	8910

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
56	8"-30°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	5060
57	6"-30°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2035
58	4"-30°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	1155
59	12"-22.5°, 1.5D, Elbow, BW, MSS SP Gr. 75 WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	8360
60	8"-22.5°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	4840
61	6"-22.5°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1925
62	4"-22.5°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	1100
63	12"-15°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	1700
64	8"-15°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1100
65	6"-15°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	750
66	4"-15°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	350
67	12"-10°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	1250
68	8"-10°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	850
69	6"-10°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	400
70	4"-10°, 1.5D, Elbow, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	325
71	12"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	8871
72	8"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	3696
73	6"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2218
74	4"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	1035
75	3"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	517
76	2"-90°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	370
77	1"-90°, 1.5D, Elbow, SW, ASTM A 105 Gr. B (Charpy at 0 Deg C), 3000#	Each	165
78	12"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	6210
79	8"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2662
80	6"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	1552
81	4"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	739
82	3"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	407
83	2"-45°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	370
84	1"-45°, 1.5D, Elbow, SW, ASTM A 105 Gr. B (Charpy at 0 Deg C), 3000#	Each	222
85	12"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	6210
86	8"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2662
87	6"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	1552
88	4"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	739
89	3"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	407
90	2"-30°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	370
91	1"-30°, 1.5D, Elbow, SW, ASTM A 105 Gr. B (Charpy at 0 Deg C), 3000#	Each	246
92	12"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	6210
93	8"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2662
94	6"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	1552
95	4"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	739
96	3"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	407
97	2"-22.5°, 1.5D, Elbow, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	370
98	1"-22.5°, 1.5D, Elbow, SW, ASTM A 105 Gr. B (Charpy at 0 Deg C), 3000#	Each	246
99	12" X 12", Equal TEE, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	11550
100	8" X 8", Equal TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	4950
101	6" X 6", Equal TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2750
102	4" X 4", Equal TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	2090
103	12" X 12", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	11090
104	8" X 8", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	4436
105	6" X 6", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2957
106	4" X 4", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	1479
107	3" X 3", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	1035
108	2" X 2", Equal TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	961
109	1"X1", Equal TEE, SW, ASTM A 105 (Charpy at 0 Deg C), 3000#	Each	310
110	12" X 8", Reducing TEE, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	12100

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111	12" X 6", Reducing TEE, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	12100
112	8" X 6", Reducing TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 40 x 40, Bevel End WT 6.4 mm	Each	5115
113	8" X 4", Reducing TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 40 x 80, Bevel End WT 6.4 mm	Each	5115
114	6" X 4", Reducing TEE, BW, MSS SP 75 Gr. WPHY 52, SCH 40 x 80, Bevel End WT 6.4 mm	Each	2915
115	12" X 8", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD x 40	Each	11090
116	12" X 6", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD x 40	Each	11090
117	8" X 6", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 40	Each	4436
118	8" X 4", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	4436
119	6" X 4", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	2957
120	6" X 3", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 40	Each	2957
121	4" X 3", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 40	Each	1627
122	4" X 2", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 80	Each	2070
123	2" X 1 1/2", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 80	Each	961
124	2" X 1", Reducing TEE, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 80	Each	1405
125	12"X8", Concentric Reducer, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	5500
126	12"X6", Concentric Reducer, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	6050
127	8"X6", Concentric Reducer, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2420
128	8"X4", Concentric Reducer, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2695
129	6"X4", Concentric Reducer, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1210
130	12"X8", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD x 40	Each	5914
131	12"X6", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD x 40	Each	6653
132	12"X4", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD x 80	Each	8132
133	8"X6", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 40	Each	1627
134	8"X4", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	1849
135	6"X4", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	961
136	6"X3", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 40	Each	1035
137	4"X3", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 40	Each	591
138	4"X 2", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 80	Each	739
139	3"X1 1/2", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	850
140	3"X2", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40 x 80	Each	444
141	2"X1 1/2", Concentric Reducer, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80 x 80	Each	296
142	12", CAP, BW, MSS SP 75 Gr. WPHY 52, SCH STD, Bevel End WT 6.4 mm	Each	6050
143	8", CAP, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	2200
144	6", CAP, BW, MSS SP 75 Gr. WPHY 52, SCH 40, Bevel End WT 6.4 mm	Each	1320
145	4", CAP, BW, MSS SP 75 Gr. WPHY 52, SCH 80, Bevel End WT 6.4 mm	Each	825
146	12", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH STD	Each	6653
147	8", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	2218
148	6", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	1183
149	4", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	739
150	3", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 40	Each	517
151	2", CAP, BW, ASTM A 234 Gr. WPB (Charpy at 0 Deg C), SCH 80	Each	296
152	12", WNRF, 150#, MSS SP 44 Gr. F52, SCH STD, Bevel End WT 6.4 mm	Each	7150
153	8", WNRF, 150#, MSS SP 44 Gr. F52, SCH 40, Bevel End WT 6.4 mm	Each	3300
154	6", WNRF, 150#, MSS SP 44 Gr. F52, SCH 40, Bevel End WT 6.4 mm	Each	1870
155	4", WNRF, 150#, MSS SP 44 Gr. F52, SCH 80, Bevel End WT 6.4 mm	Each	1100
156	12", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	6435
157	8", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	2970
158	6", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	1683
159	4", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	990
160	3", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	660
161	2", WNRF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	440
162	1", SORF, 150#, ASTM A 105 (Charpy at 0 Deg C)	Each	165
163	12", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	4400
164	8", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	2035
165	6", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	1265

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166	4", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	880
167	3", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	550
168	2", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	275
169	1 1/2", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	231
170	1", Blind Flange, 150#, ASTM A 105 (Charpy at 0° C)	Each	140
171	12"X4", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	2475
172	12"X3", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	1870
173	12"X2", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	1700
174	8"X3", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	1870
175	8"X2", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	1700
176	6"X2", Weldolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	1700
177	12"X1 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	888
178	12"X1", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	591
179	12"X3/4", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	517
180	12"X 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	296
181	8"X1 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	888
182	8"X1", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	591
183	8"X3/4", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	517
184	8"X 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	296
185	6"X1 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	888
186	6"X1", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	591
187	6"X3/4", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	517
188	6"X 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C) ,SCH 80	Each	296
189	4"X1 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	888
190	4"X1", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	591
191	4"X3/4", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	517
192	4"X 1/2", Sokolet, 3000#, ASTM A 105 (Charpy at 0 Deg C), SCH 80	Each	296
193	12", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	5500
194	8", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	3135
195	6", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	2200
196	4", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	1375
197	2", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	605
198	1", Spacer and Blind, 150#, ASTM A 234 Gr. WPB (Charpy at 0 Deg C)	Each	385
199	12", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	985
200	8", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	595
201	6", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	435
202	4", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	320
203	3", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	230
204	2", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	154
205	1½", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	105
206	1", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	90
207	1/2", Spiral Wound Gasket, SS 316 + CNAF, 150#	Each	55
208	12", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	184
209	8", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	126
210	6", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	123
211	4", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	76
212	3", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	76
213	2", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	73
214	1 1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	41
215	1", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	39
216	1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 193 B7, NUT: ASTM A 194 Gr.2H, 150#	Each	38
217	4"-150# Flapper (brass flapper)	Each	9619
218	3"-150# Flapper (brass flapper)	Each	7695
219	2"-150# Flapper (brass flapper)	Each	5771
220	1"-150# Flapper (brass flapper)	Each	2886

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
221	12", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH STD	Each	11829
222	8", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	4621
223	6", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	2772
224	4", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	1293
225	3", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	666
226	2", 90°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	466
227	1", 90°, 1.5D, Elbow, SW, ASTM A 420 Gr. WPL 6, 3000#	Each	296
228	12", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH STD	Each	8280
229	8", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	3253
230	6", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	1996
231	4", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	961
232	3", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	517
233	2", 45°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	466
234	1", 45°, 1.5D, Elbow, SW, ASTM A 420 Gr. WPL 6, 3000#	Each	296
235	12", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH STD	Each	8280
236	8", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	3253
237	6", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	1996
238	4", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	961
239	3", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	517
240	2", 30°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	466
241	1", 30°, 1.5D, Elbow, SW, ASTM A 420 Gr. WPL 6, 3000#	Each	392
242	12", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH STD	Each	8280
243	8", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	3253
244	6", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	1996
245	4", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	961
246	3", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	517
247	2", 22.5°, 1.5D, Elbow, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	466
248	1", 22.5°, 1.5D, Elbow, SW, ASTM A 420 Gr. WPL 6, 3000#	Each	392
249	12" X 12", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH STD	Each	13677
250	8" X 8", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	5545
251	6" X 6", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	3696
252	4" X 4", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	1849
253	3" X 3", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40	Each	1293
254	2" X 2", Equal TEE, BW, ASTM A 420 Gr. WPL 6, SCH 80	Each	1220
255	1"X1", Equal TEE, SW, ASTM A 350 Gr. LF2, 3000#	Each	444
256	12" X 8", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH STD X 40	Each	13825
257	12" X 6", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40 X 40	Each	13825
258	8" X 6", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40 X 40	Each	5545
259	8" X 4", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	5545
260	6" X 4", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	3696
261	6" X 3", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 40 X 40	Each	3696
262	4" X 3", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 80 X 40	Each	2033
263	4" X 2", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 80 X 80	Each	2588
264	2" X 1 1/2", Reducing TEE, BW, ASTM A 420 Gr. WPL 6, SCH 80 X 80	Each	1220
265	2" X 1", Reducing TEE, BW, ASTM A 350 Gr. LF2, SCH 80 X 80	Each	1543
266	12"X8", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH STD X 40	Each	7393
267	12"X6", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH STD X 40	Each	8280
268	8"X6", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 40	Each	1996
269	8"X4", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	2291
270	6"X4", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	1205

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
271	6"X3", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 40	Each	1293
272	4"X3", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 X 40	Each	739
273	4"X 2", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 X 80	Each	924
274	3"X1 1/2", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	1072
275	3"X2", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 40 X 80	Each	554
276	2"X1 1/2", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 X 80	Each	370
277	12", CAP, BW, ASTM A 420 Gr. WPL6, SCH STD	Each	7319
278	8", CAP, BW, ASTM A 420 Gr. WPL6, SCH 40	Each	2440
279	6", CAP, BW, ASTM A 420 Gr. WPL6, SCH 40	Each	1301
280	4", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	813
281	3", CAP, BW, ASTM A 420 Gr. WPL6, SCH 40	Each	570
282	2", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	326
283	12", WNRF, 300#, MSS SP 44 Gr. F52, BEVEL END WT SCH STD	Each	12100
284	8", WNRF, 300#, MSS SP 44 Gr. F52, BEVEL END WT SCH 40	Each	4950
285	6", WNRF, 300#, MSS SP 44 Gr. F52, BEVEL END WT SCH 40	Each	2750
286	4", WNRF, 300#, MSS SP 44 Gr. F52, BEVEL END WT SCH 80	Each	2035
287	12", WNRF, 300#, ASTM A 350 Gr. LF2, SCH STD	Each	18704
288	8", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 40	Each	7319
289	6", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 40	Each	4879
290	4", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 80	Each	2847
291	3", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 40	Each	1627
292	2", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 80	Each	1057
293	1", WNRF, 300#, ASTM A 350 Gr. LF2, SCH 80	Each	610
294	1", SORF, 300#, ASTM A 350 Gr. LF2, SCH 80	Each	330
295	12", BLRF, 300#, ASTM A 350 Gr. LF2	Each	15451
296	8", BLRF, 300#, ASTM A 350 Gr. LF2	Each	2033
297	6", BLRF, 300#, ASTM A 350 Gr. LF2	Each	5692
298	4", BLRF, 300#, ASTM A 350 Gr. LF2	Each	4066
299	3", BLRF, 300#, ASTM A 350 Gr. LF2	Each	1627
300	2", BLRF, 300#, ASTM A 350 Gr. LF2	Each	976
301	1", BLRF, 300#, ASTM A 350 Gr. LF2	Each	458
302	12"X4", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	2915
303	12"X3", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 40	Each	2200
304	12"X2", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1849
305	8"X3", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 40	Each	2200
306	8"X2", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1849
307	6"X2", Weldolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1849
308	12"X1 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1035
309	12"X1", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	702
310	12"X3/4", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	629
311	12"X 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	355
312	8"X1 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1035
313	8"X1", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	702
314	8"X3/4", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	629
315	8"X 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	355
316	6"X1 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1035
317	6"X1", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	702
318	6"X3/4", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	629
319	6"X 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	355
320	4"X1 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	1035
321	4"X1", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	702
322	4"X3/4", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	629
323	4"X 1/2", Sokolet, 3000#, ASTM A 350 Gr. LF2, SCH 80	Each	355
324	12", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	16265
325	8", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	6506

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
326	6", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	4391
327	4", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	2440
328	3", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	1790
329	2", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	1057
330	1", Spacer and Blind, ASTM A 350 Gr. LF2, 300#	Each	650
331	12", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	1105
332	8", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	790
333	6", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	635
334	4", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	325
335	3", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	275
336	2", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	160
337	1½", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	115
338	1", Spiral Wound Gasket, SS 316 + CNAF, 300#	Each	90
339	12", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	654
340	8", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	353
341	6", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	236
342	4", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	230
343	3", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	223
344	2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	134
345	1 1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	205
346	1", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	125
347	1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr. L7, NUT: ASTM A 194 Gr.2H, 300#	Each	70
348	4"-300# Flapper (brass flapper)	Each	14429
349	3"-300# Flapper (brass flapper)	Each	11062
350	2"-300# Flapper (brass flapper)	Each	7695
351	1"-300# Flapper (brass flapper)	Each	3848
352	12" NPS, Seamless PIPE, Sch 80, ASTM A 333 Gr. 6	Meter	23737
353	8" NPS, Seamless PIPE, Sch 80, ASTM A 333 Gr. 6	Meter	11314
354	6" NPS, Seamless PIPE, Sch 80, ASTM A 333 Gr. 6	Meter	7485
355	4" NPS, Seamless PIPE, Sch 80, ASTM A 333 Gr. 6	Meter	4004
356	3" NPS, Seamless PIPE, Sch 40, ASTM A 333 Gr. 6	Meter	2037
357	1½" NPS, Seamless PIPE, Sch 160, ASTM A 333 Gr. 6	Meter	1479
358	1" NPS, Seamless PIPE, Sch 160, ASTM A 333 Gr. 6	Meter	914
359	3/4" NPS, Seamless PIPE, Sch 160, ASTM A 333 Gr. 6	Meter	629
360	1/2" NPS, Seamless PIPE, Sch 160, ASTM A 333 Gr. 6	Meter	419
361	12", 90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 12.7 mm	Each	32450
362	8", 90°, 3D BEND, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 9.5 mm	Each	14410
363	12", 45°, 3D BEND, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 12.7 mm	Each	24750
364	8", 45°, 3D BEND, BW, MSS SP 75 WPHY Gr. 65, SCH 60, End WT 9.5 mm	Each	11550
365	12", 30°, 3D BEND, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 12.7 mm	Each	22220
366	8", 30°, 3D BEND, BW, MSS SP 75 WPHY Gr. 65, SCH 60, End WT 9.5 mm	Each	10395
367	12", 22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 12.7 mm	Each	21505
368	8", 22.5°, 3D BEND, BW, MSS SP 75 Gr. WPHY Gr. 65, SCH 60, End WT 9.5 mm	Each	9625
369	12", 90°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	29571
370	8", 90°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	12568
371	6", 90°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	5914
372	4", 90°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	2070
373	1", 90°, Elbow, 1.5D, SW, ASTM A 350 Gr. LF2, 6000#	Each	444
374	12", 45°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	21439
375	8", 45°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	8871
376	6", 45°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	4140
377	4", 45°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	1442
378	1", 45°, Elbow, 1.5D, SW, ASTM A 350 Gr. LF2, 6000#	Each	444
379	12", 30°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	21439
380	8", 30°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	8871

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
381	6", 30°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	4140
382	4", 30°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	1442
383	1", 30°, Elbow, 1.5D, SW, ASTM A 350 Gr. LF2, 6000#	Each	490
384	12", 22.5°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	21439
385	8", 22.5°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	8871
386	6", 22.5°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	4140
387	4", 22.5°, Elbow, 1.5D, BW, ASTM A 420 Gr.WPL6, SCH 80	Each	1442
388	1", 22.5°, Elbow, 1.5D, SW, ASTM A 350 Gr. LF2, 6000#	Each	490
389	12" X 12", Equal TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60, Bevel End WT 12.7 mm	Each	24200
390	8" X 8", Equal TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60, Bevel End WT 9.5 mm	Each	10450
391	12" X 12", Equal TEE, BW, Sch 80, ASTM A 420 Gr. WPL6	Each	34747
392	8" X 8", Equal TEE, BW, Sch 80, ASTM A 420 Gr. WPL6	Each	13308
393	6" X 6", Equal TEE, BW, Sch 80, ASTM A 420 Gr. WPL6	Each	5914
394	4" X 4", Equal TEE, BW, Sch 80, ASTM A 420 Gr. WPL6	Each	3327
395	1" X 1", Equal TEE, SW, ASTM A 420 Gr. WPL6, 3000#	Each	385
396	12" X 8", Reducing TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WT 12"/12.7 mm & 8"/9.5 mm	Each	24750
397	12" X 6", Reducing TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WT 12"/12.7 mm & 6"/6.4 mm	Each	24750
398	8" X 6", Reducing TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WY 8"/9.5 mm & 6"/6.4 mm	Each	10450
399	8" X 4", Reducing TEE, BW, MSS SP 75 Gr. WPHY 65, SCH 60 x 80, Bevel End WY 8"/9.5 mm & 4"/6.4 mm	Each	10450
400	12" X 8", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	34747
401	12" X 6", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	34747
402	8" X 6", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	13308
403	8" X 4", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	5914
404	6" X 4", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	5914
405	6" X 3", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	5914
406	4" X 3", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	3474
407	4" X 2", Reducing TEE, BW, ASTM A 420 Gr.WPL6, SCH 80 x 80	Each	4731
408	2" X 1½", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 80	Each	1700
409	2" X 1", Reducing TEE, BW, ASTM A 420 Gr. WPL6, SCH 80 x 160	Each	1700
410	12"X8", Concentric Reducer, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WT 12"/12.7 mm & 8"/9.5 mm	Each	12100
411	12"X6", Concentric Reducer, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WT 12"/12.7 mm & 6"/6.4 mm	Each	13750
412	8"X6", Concentric Reducer, MSS SP 75 Gr. WPHY 65, SCH 60 x 60, Bevel End WT 8"/9.5 mm & 6"/6.4 mm	Each	4015
413	8"X4", Concentric Reducer, MSS SP Gr. 75 WPHY 65, SCH 60 x 80, Bevel End WT 8"/9.5 mm & 4"/6.4 mm	Each	4180
414	12"X8", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	14786
415	12"X6", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	16634
416	12"X4", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	20330
417	8"X6", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	4066
418	8"X4", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	4621
419	6"X4", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	2403
420	6"X3", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 40	Each	2588
421	4"X3", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 40	Each	1293
422	4"X 2", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 80	Each	1479
423	4"X1½", Concentric Reducer, ASTM A 420 Gr. WPL 6, SCH 80 x 160	Each	1627
424	12", END CAP, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 12.7 mm	Each	7150
425	8", END CAP, BW, MSS SP 75 Gr. WPHY 65, SCH 60, End WT 9.5 mm	Each	3575
426	12", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	15082
427	8", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	5323
428	6", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	2662
429	4", CAP, BW, ASTM A 420 Gr. WPL6, SCH 80	Each	1774
430	12"X4", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2915
431	12"X3", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2200
432	12"X2", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2144
433	8"X3", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2200
434	8"X2", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2144
435	6"X2", Weldolet, 6000#, ASTM A 350 Gr. LF2, SCH 80	Each	2144

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
436	12"X1 1/2", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	1257
437	12"X1", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	850
438	12"X3/4", Sockolet, 600#, ASTM A 350 Gr. LF2, SCH 160	Each	739
439	12"X 1/2", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	444
440	8"X1½", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	1257
441	8"X1", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	850
442	8"X3/4", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	739
443	8"X 1/2", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	444
444	6"X1½", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	1257
445	6"X1", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	850
446	6"X3/4", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	739
447	6"X 1/2", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	444
448	4"X1½", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	1257
449	4"X1", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	850
450	4"X3/4", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	739
451	4"X 1/2", Sockolet, 6000#, ASTM A 350 Gr. LF2, SCH 160	Each	444
452	12", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 80	Each	43249
453	8", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 80	Each	19517
454	6", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 80	Each	10202
455	4", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 80	Each	4362
456	3", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 40	Each	2662
457	2", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 80	Each	1627
458	1", WNRF, 600#, ASTM A 350 Gr. LF2, SCH 160	Each	998
459	1", SORF, 600#, ASTM A 350 Gr. LF2, SCH 160	Each	440
460	12", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	36965
461	8", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	15525
462	6", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	8132
463	4", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	3696
464	3", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	2662
465	2", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	1257
466	1", Blind Flange, ASTM A 350 Gr. LF2, 600#	Each	850
467	12", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	35486
468	8", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	17004
469	6", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	9610
470	4", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	5397
471	3", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	3253
472	2", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	2144
473	1", Spacer and Blind, 600#, ASTM A 350 Gr. LF2	Each	1072
474	12", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	1530
475	8", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	915
476	6", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	775
477	4", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	420
478	3", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	275
479	2", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	160
480	1 1/2", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	115
481	1", Spiral Wound Gasket, SS 316 + CNAF, 600#	Each	90
482	12", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	1087
483	8", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	770
484	6", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	530
485	4", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	362
486	3", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	242
487	2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	147
488	1 1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	223
489	1", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	134
490	1/2", Stud Bolt and Nut, STUD & BOLT: ASTM A 320 Gr.L7, NUT: ASTM A 194 Gr.2H, 600#	Each	27

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
491	4", 600# Flapper (brass flapper)	Each	19238
492	3", 600# Flapper (brass flapper)	Each	14429
493	2", 600# Flapper (brass flapper)	Each	9619
494	1", 600# Flapper (brass flapper)	Each	4810
495	REPAIR OF DEFECT IN PIPES_Cutting and rebevelling for dents in bevels exceeding 3 mm in depth for pipe sizes: 12" NB	Each	676
496	REPAIR OF DEFECT IN PIPES_Cutting and rebevelling for dents in bevels exceeding 3 mm in depth for pipe sizes: 8" NB	Each	449
497	REPAIR OF DEFECT IN PIPES_Cutting and rebevelling for dents in bevels exceeding 3 mm in depth for pipe sizes: 6" NB	Each	337
498	REPAIR OF DEFECT IN PIPES_Cutting and rebevelling for dents in bevels exceeding 3 mm in depth for pipe sizes: 4" NB	Each	226
499	REPAIR OF DEFECT IN PIPES_Cutting and rebevelling for dents in bevels exceeding 3 mm in depth for pipe sizes: 2" NB	Each	112
500	REPAIR OF DEFECT IN PIPES_Jack out of dents in bevels ranging between 1 mm and 3 mm in depth for pipe sizes: 12" NB	Each	255
501	REPAIR OF DEFECT IN PIPES_Jack out of dents in bevels ranging between 1 mm and 3 mm in depth for pipe sizes: 8" NB	Each	213
502	REPAIR OF DEFECT IN PIPES_Jack out of dents in bevels ranging between 1 mm and 3 mm in depth for pipe sizes: 6" NB	Each	169
503	REPAIR OF DEFECT IN PIPES_Jack out of dents in bevels ranging between 1 mm and 3 mm in depth for pipe sizes: 4" NB	Each	112
504	REPAIR OF DEFECT IN PIPES_Jack out of dents in bevels ranging between 1 mm and 3 mm in depth for pipe sizes: 2" NB	Each	57
505	STRUCTURAL WORKS_Supply of all materials, fabrication and erection of chain link fencing 2.5 m high with mesh up to 2 m height and barbed wire fencing complete in all respect including painting as per TS on all MS items, all works as per specification and drawings excluding foundations and RCC beams	Meter	3509
506	Pipe Supports, Valve supports & Other Structures_Supply fabrication and erection of all types of pipe supports like clamps, saddle, guide, stops, cradles, Neoprene sheet, turn buckles, anchors, T posts, stockade/trestle and pipe bridge for overhead piping, frames for canopy, approach ladders and platforms, crossover, cable tray supports etc, including painting suitable for highly corrosive area as per specification labour and supervision & complete work as per drawing, specifications and instructions of Engineer-in-charge (bolts, nuts, washers, u-clamps etc for supporting shall be supplied by the Contractor within the rates quoted. These items will not be measured and paid separately) The work is to be completed in all respect as per scope of work and specification.	Metric Ton	107205
507	CIVIL WORKS_Site Grading_Earth excavation and filling to the grades and levels shown in the approved drawings in all kinds of conditions including for Road embankments, using approved quality good earth from designated borrow area, for all heights and depths including clearing and stripping (Min. 150 mm) of the area marked for filling, taking spot levels, consolidating the exposed natural soil surface, excavating the earth from borrow area loading, transporting & unloading, spreading in layers not exceeding 150 mm thickness, breaking clods, watering (if reqd.), ramming and compacting by manual/mechanical means to give minimum 95% of modified Proctor's density of earth, testing & dressing including disposal of all unserviceable material all complete as per specifications and directions of Engineer-in-Charge (Rate to include cost of labour, tools, tackles, equipment, hire charges, cost of borrow earth by way of realities, right of way, cess etc., as applicable with all bye works and sundry works).	Square Meter	54
508	Earthwork in excavation foundation of walls, column etc. in all kinds of soil, hard murrum, soft, rock hard by pneumatic drilling etc. stacking the excavated earth at least 3m away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50M either way. qty. for excavation shall be passed on the_Earth work and excavation above from 0.00M to 1.5 M depth	Cubic Meter	162
509	Earthwork in excavation foundation of walls, column etc. in all kinds of soil, hard murrum, soft, rock hard by pneumatic drilling etc. stacking the excavated earth at least 3m away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50M either way. qty. for excavation shall be passed on the_Earth work and excavation above from 1.5M to 3.0 M depth	Cubic Meter	243
510	Earthwork in excavation foundation of walls, column etc. in all kinds of soil, hard murrum, soft, rock hard by pneumatic drilling etc. stacking the excavated earth at least 3m away from the edge of foundation trenches and disposal of surplus soil up to a lead of 50M either way. qty. for excavation shall be passed on the_Earth work and excavation above from 3.0 M to 5.0 M depth	Cubic Meter	303
511	Filling in foundation and plinth, underfloors, site filling etc. with good quality sand, obtained from outside, including watering, ramming well and watering etc. complete the same in layers not exceeding 200mm and compacting the layers to give at least 95% of maximum dry density	Cubic Meter	1147
512	Filling with available good soil from excavated earth (excluding rock), in sides of foundations, in layers not exceeding 200 mm in depth, including consolidating each deposited layer by ramming well and watering etc. complete at least 95% of maximum dry density as per IS:2720 as directed.	Cubic Meter	67
513	Providing and laying 150 mm thick cut size stones following gaps filled with murrum and compaction without road roller	Square Meter	209
514	Providing and laying 230 mm thick layer of rubble filling, stone size 100 to 150 mm with sand filling in voids correcting the grade and slope. Compacted with road roller, watering	Cubic Meter	2075

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
515	Disposing of the surplus excavated earth and/or debris etc. including loading at site, trasnporting & disposal, unloading. As per the instructions of the client or consultant	Cubic Meter	210
516	Site cleaning work-dispose with debris and malba etc. complete with cutting of grass and disposing it	Square Meter	41
517	Providing dry rubble stone pitching in size of 230 mm to 300 mm for embankments etc; in mortar C.M. (1:6) (1 cement, 6 sand) including supply of stone spalls for filling and wedging, hand packing in close joints with smaller chips and finish of line and slope etc; complete all as per specificaitons	Cubic Meter	2249
518	Providing and laying 150mm thick W.B.M. in two layers with 25-40 mm metal with merrum filling in voids. Correcting the grade and chamber complete with rolling with 10 tonn roller watering including preparing the surfaces by brushing for removing all loose or dirt etc. complete.	Cubic Meter	1405
519	providing and laying quarry waste as per required depth on site, with manual compaction, watering and filling voids with murrum, complete the surface for smooth working on site. Depth of laying quarry waste as per approval by client or Engineer-in-charge	Cubic Meter	1349
520	Dewatering the water with mud etc. from foundations, excavation pits with self priming mud pump of minimum 1 H.P. capacity, complete the dewatering outside of our site.	Hour	112
521	CEMENT CONCRETE (PLAIN AND RCC)_Providing & laying plain cement concrete 1:4:8 (1 cement : 4 coarse sand: 8 black stones aggregate 40mm nominal size) for all depths and thickness including shuttering, ramming and tampering, water curing etc. complete.	Cubic Meter	4858
522	CEMENT CONCRETE (PLAIN AND RCC)_Providin & laying plain cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 black stones aggregate 40mm nominal size) for all depths and thickness including shuttering, ramming and tampering, water curing etc. complete.	Cubic Meter	4802
523	CEMENT CONCRETE (PLAIN AND RCC)_Providing and laying M-20 grade cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggreae 20 mm nominal size) including providing openings, recesses, chamfering, tamping, water curing and rendering if required to give a smooth and even surface etc. all complete. Excluding cost of form work and reinforceemtn for reinforced concrete work, for all floors, at all heights, in any position, for all structures and mass concrete. All levels and size are as per drawing.	Cubic Meter	6505
524	CEMENT CONCRETE (PLAIN AND RCC)_Providing and laying 130 mm thick vacuume Dewatered, surface vibrated and finished with trimix machine with controlled grade i.e. M-20 R.C.C. grid floor slab Rockite or equivalent metallic floor hardener @ 4.5 kg/sq.m, formation of construction joints 25MM th@3M c/c by cutting up to 1/4th thickness of concrete slab with mechanised screw and filling the same with semi rigid exopy based bitumen sealant or as per detail drawing or as per instructions of enigneer incharge. including preparation of base, curing finishing etc, complete.	Square Meter	1566
525	Providing and fixing M-35 grade concrete precast trench cover-consisitng point load (300mm dia) capacity of 20 tonn with angle30x30x3mm edging on top as per detailed drawing and specifications.Size of FRC covers_780x300 mm FRC covers (Electric trench)	Each	2474
526	Providing and fixing M-35 grade concrete precast trench cover-consisitng point load (300mm dia) capacity of 20 tonn with angle30x30x3mm edging on top as per detailed drawing and specifications.Size of FRC covers_680x300 mm FRC covers (Gas trench)	Each	2024
527	Providing and laying controlled cement concrete M-25 and curing complete excluding the cost of form work and reinforcement for reinforced concrete work.	Cubic Meter	5205
528	CENTRING & FORM WORK_Providing form work of ordinary timber planking, shutteirng plywood or steel plates so as to give smooth finish, including centering, shuttering, strutting, proping, nalls, binding wire etc. comp. and removal of same for in-situ reinforced concrete and plain concrete work, below plinth level for foundation, footing, tiebeams/plints beams, columns copings cable trenches, canopy foundaiton, slabs floor slabs/compressor foundatons etc. complete in and as directed by Engineer-in-charge.	Square Meter	398
529	CENTRING & FORM WORK_Providing form work of ordinary timber planking, shutteirng plywood or steel plates so as to give smooth finish, including centering, shuttering, strutting, proping, nalls, binding wire etc. comp. and removal of same for in-situ reinforced, concrete and plain concrete work, for superstructure works column, suspended floors, roofs, landings balconies access platform, lintals, beams, girders bressumers cantilevers, staires, parapets walls etc. complete	Square Meter	433
530	CENTRING & FORM WORK_Providing pockets for foundation blots as per drawings, specifications & directions including providing and removing of necessary formwork made of plywood and timber etc. complete.	Each	295

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
531	Providing and fabricating in position FE-415 TMT reinforcement (conforming to IS:1786) for RCC work including transporting the steel to site of work, straightening, cleaning cutting, bending to required shapes and lengths as per details, binding with contractor's own M.S. 18 guage black soft annealed binding wire at every intersection, supplying and placing with proper cover blocks, welding, etc. for all heights and depths etc. all complete as per specifications and directions of owner/owner's representative. (supports, chairs and laps are included in the measureable BOQ quantity) Reinforcement steel shall be of Tata, SAIL, Vizag or approved by consultant. Quantity of reinforcement steel used will be arrived at based on difference in weight of incoming and outgoing materials.	Metric Ton	86088
532	STEEL WORK_Providing and fabricating, erecting M.S hollow tubular section of various sizes in dispenser crash guard etc. complete as per drawing. Including providing and applying two coats of synthetic enamel paint with 50 micron DFT for each coat of approved make and shade over steel structure including one coat of 50 micron DFT of Zinc chromate primer	Kg	112
533	STEEL WORK_Providing, fabricating, straightening, cutting, welding, bending to shape, bolting, and erecting M.S. sections of various sizes in railing, fencing, ladder, steel staircase, clamps brackets, and all miscellaneous steel works as detailed and as directed at all levels using MS angles, pipes, flats, plates, sheets, tee, bolts etc. (confirming to IS 2062). Including providing and applying one coat of 50 micron Dft of zinc chromate primer and two coats of sythentic enamel paint with 50 micron DFT for each coate of approved make and shadeover steel structures. Sections must be TATA or Asian make hollow section. Hare wires like hingers, locking arrangement, wleding to insert plate, embedding in wall/concrete and finished the surface neat after grouting are included in items.	Kg	101
534	STEEL WORK_Providing, fabricating, erecting & fixing up in position CANOPY structures and all other sturcure like beams, channels, tees, plates, rounds including hard wares like hinges, locking arrangement etc of various sizes and other structural steel sections conforming to IS 2062 including straightening, cutting, fabricating, welding bending to shape, bolting, fixing in position, welding to insert plate, embedding in wall/concrete and finished the surface neat after grouting. Rate shall include for painting with two coats 50 micron DFT for each coat of sythentic enamel paint over a coat of 50 micron DFT for Zinc chromate primer etc. complete, as directed.	Kg	101
535	STEEL WORK_Supplying, installing and fixing Anchor Bolts with nuts in concrete foundation providing, auxiliary dummy structures, if any, necessary tying and welding to reinforcement adjustment of shuttering, greasing exposed metal surfaces and covering with jute cloths etc. complete as per drawing and specifcations and directions (Weight of bolt and nuts shall be measured for payment)	Kg	124
536	Providing anf fixing chequered plate in approved panel or over steel structures including curring, welding, hoisting, fixing in position and applying two or more coats of approved quality synthetic enamel over a priming coat of steel primer complete as per drawing and specifications_8 mm th.	Kg	101
537	Providing anf fixing chequered plate in approved panel or over steel structures including curring, welding, hoisting, fixing in position and applying two or more coats of approved quality synthetic enamel over a priming coat of steel primer complete as per drawing and specifications_10 mm th.	Kg	107
538	Brick work using common brunt clay conventional building bricks, having crushing strength not less than 35 kg/sq. cm, below plinth level for any structures at any depth in CM (1:6) including water curing, scaffolding etc. complete, as per drawing, details and as directed	Cubic Meter	5360
539	Brick work using common brunt clay conventional building bricks, having crushing strength not less than 35 kg/sq. cm above plinth level for any structures at any height in C.M. (1:6) including water curing, scaffolding etc. complete, as per drawing, details and as directed.	Cubic Meter	5662
540	Providing and fixing half masonary brick work using common brunt clay conventional building bricks having crushing strength not less than 35 kg/sq.cm, below plinth level for any structures at any depth in C.M. (1:4) including water curing scaffolding etc complete, as per drawing, details and as directed.	Square Meter	809
541	Providing and fixing half masonary Brick work using common brunt clay conventional building bricks having crushing strength not less than 35 kg/sq.cm, super structure structures at any level in C.M. (1:4) including water curing, scaffolding etc. complete, as per drawing, details and as directed.	Square Meter	832
542	PLASTERING AND WALL FINISHING_10 mm thick cement plaster in CM (1:4) with waterproofing chemicals and water proofing treatments, complete with rough finish, curing etc rates shall including of materials and labour tools etc.	Square Meter	202
543	FLOORING_Laying as per pattern 75-80 mm thick rubber molded paver blocks in forecourt area or as per located in drawing (approved by client/consultant) having compressive strength 400 kg/sqcm laid over bed of 50 mm river sand and joints to be filled with river sand and compaction of mechanical compactor	Square Meter	765

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
544	FLOORING_ Kerb stones blocks/cast in situ blocks/buffer walls providing and fixing kerb stone of approved make (kerb stone blocks or cast in situ blocks shall have recess and reflective material fixed in it) at or near ground level as per approved pattern and setting in position with cement mortar 1:3 (1 cement: 3 coarse sand) including the cost of required centering shuttering and finishing smooth with 6 mm thick cement plaster 1:3 (1 cement: 3 fine sand) on exposed surface over 75 mm thick PCC 1:4:8 (1 cement:4 coarse sand: 8 stone aggregate 40 mm) complete in all respects as per scope of work, detailed rate to include all material, labour, tool, tackles, shuttering, transportation, water charges, earth work if any, PCC etc. complete	RM	590
545	Constructing manhole with r.c.c. top slab in (1:2:4) mix with foundation concrete (1:4:8) finished with a floating coat of neat cement (1:2:4) mix finished smooth complete including curing & testing inside size 900 mmx1200 mmx1500 mm deep including FRC manhole cover of HD-20 capacity with frame	Each	14616
546	PAINTING_Painting (3 or more coats) with synthetic enamel paint of "Asian/Berger/Nerolac" or equivalent approved make including application of primer and surface preparation. Shade to be approved by site engineer/architect	Square Meter	141
547	Providing and fixing fencing gate shall include fabrication & supply of fencing with one coat zinc chromite primer and two coat 50 micron colour as per specifications and colour shade approved by consultant or client, complete as per specification and drawing. Rate shall include cost of labour, tools, talker, equipments, material etc. Note: Only M.S. items paid in chain link fencing work, civil items paid in civil work items separately.	Each	17876
548	Providing and fixing Y-shaped barbed wire fencing with 9-Nos strings of 12 SWG double strand barbed wire conforming to IS 278 (A1 Designation) with 4 point barbs set at 75 mm apart supported over brick masonry by angle iron frames grouted @ 3.0 M C/C (max) in boundary wall posts and provided with 610 dia concertina coils of barbed wire having 15 -Nos rounds per 6.0 M length including supply of GI staples and clips.and cost of angle frame (supply / installation / painting with enamel paint over primer); all complete;	RM	2093
549	Providing and fixing submersible pump of cropmton and greeves of 25 cum/hr 5m head 2900 rpm and 1 H.P Motor as per specifications and instruction of EIC	Each	32019
550	Providing and laying 150 mm thick P.C.C. (1:4:8) in approach including compacting, ramming, curing, shuttering etc. complete with preparation of base coat by spreading and leveling	Square Meter	630
551	Electric Chamber_ Consulting electric channel with RCC top slab in (1:2:4) mix with foundation concrete (1:4:8) finished with a floating coat of neat cement finished, smooth complete including curing & testing inside size 600 mm*600mm & 300 mm deep incl 12 mm thick M.S. plate cover with one coat zinc chromite primer and two coat 50 micron colour as per specifications and colour shade approved by consultant or client. Complete as per detailed drawing	Each	4529
552	RCC pipe providing supplying of 900 mm dia CLASS-IRS-NP4 1SI standard. RCC pipe in standard length of following class and diameter. Suitable for either colour joints for RCC ring joints including transportation, freight charges, loading, unloading charges etc completed (IS-308/1989) Rates are including collar joints and necessary fittings.	RM	4329
553	RCC pipe providing supplying of 600 mm dia CLASS-IRS-NP4 ISI standard. RCC pipe in standard length of following class and diameter. Suitable for either colour joints for RCC rig joints including transportation, freight charges, loading, unloading charges charges etc completed (IS-308/1989) Rates are including collar joints and necessary fittings.	RM	2474
554	RCC pipe providing supplying of 300 mm ida. CLASS IRS-NP4 ISI Standard. RCC pipe in standard length of following class and diameter. Suitable for either colour joints for RCC rig joints including transportation, freight charges, loading, unloading charges charges etc completed (IS-308/1989) Rates are including collar joints and necessary fittings.	RM	1460
555	Providing and Installing_ 4.5 Kg Co2 Extinguishers	Each	5845
556	Providing and Installing_ 10 Kg DCP Extinguishers	Each	3373
557	Providing and Installing_ 75 Kg DCP Extinguishers	Each	20250
558	Sand Buckets	Each	1125
559	Demolition of Brick/stone masonry/ flexible pavements/WBM etc. including supply of all tools tackles, labour, cutters, necessary scaffolding, propping etc including removing the debris and disposal of unserviceable material to any lead and stacking of serviceable materials, handing over serviceable material if required as per technical specifications and direction of Engineer-in-Charge.	Cubic Meter	1807
560	Demolishing existing RCC works (taking all necessary precautions) for all depths below and all height above plinth level including supply of all tools and tackles, labour, cutters, necessary scaffolding, propping etc. including disposal of unserviceable material to any lead, stacking of steel and other serviceable materials as per technical specifications and direction of Engineer-in-Charge.	Cubic Meter	4050
561	ELECTRICAL_Supply, installation, testing and commissioning of UPS distribution board having: Incomer - 1 No. 50A DP MCB ; Outgoing- 11 nos. 10A DP MCB as per attached SLD, Technical specification	Each	41037
562	ELECTRICAL_Supply, laying, testing & termination of PVC insulated PVC sheathed, armoured, FRLS outer sheath, stranded Copper / Al conductor cables in surface trench/ on wall/ structural surface/ in GI pipes/ conduits as per technical specification, site requirements_2 C 16 sq mm Cu	Meter	354

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Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
563	ELECTRICAL_Supply, laying, testing & termination of PVC insulated PVC sheathed, armoured, FRLS outer sheath, stranded Copper / Al conductor cables in surface trench/ on wall/ structural surface/ in GI pipes/ conduits as per technical specification, site requirements_4 C 6 sq mm Cu	Meter	506
564	ELECTRICAL_Supply, laying, testing & termination of PVC insulated PVC sheathed, armoured, FRLS outer sheath, stranded Copper / Al conductor cables in surface trench/ on wall/ structural surface/ in GI pipes/ conduits as per technical specification, site requirements_3 C 6 sq mm Cu	Meter	511
565	ELECTRICAL_Supply, laying, testing & termination of PVC insulated PVC sheathed, armoured, FRLS outer sheath, stranded Copper / Al conductor cables in surface trench/ on wall/ structural surface/ in GI pipes/ conduits as per technical specification, site requirements_3 C 2.5 sq mm Cu	Meter	280
566	Supply, installation & commissioning of 125 HPMV flameproof weatherproof well glass fixtures suitable for zone II, gas group IIA & IIB. Complete with integral control gearbox with all accessories and lamp	Each	16865
567	Supply, installation & commissioning of flameproof 2x36W CFL surface mounting fixtures CGL Cat No. EXTN 236/Equiv.	Each	8095
568	Supply, installation & commissioning of 150 W HPSV street light fixtures- (CGL Cat. No. SSGN 1215H) /Equiv.	Each	7083
569	Supply & installation of 9 mts overall length lighting poles as per IS : 2713 complete with FLP junction box having terminal, bracket, base plate 2 Nos 40 mm dia pipes each 1500, junction box shall be suitable for 4 C 6 sq mm Cu cable.	Each	32687
570	Supply, installation & testing of galvanised iron earth electrodes with 3 Mts long 65 mm dia GI perforated pipe Class B. Complete with GI earth bus, test link in RCC/ brick earth pit, charocoal, salt, funnel & earth pit cover as per IS: 3043, (as per drg. Enclosed)	Each	7839
571	Supply, installation & testing of copper plate earth electrode of size 600 x 600 x 3 mm complete with copper bus. link in RCC/Brick earth pit charcoal, salt , funnel and earth pit cover as per IS: 3043 (as per enclosed drawing).	Each	4189
572	Supply & installation of GI earthing conductor of the following sizes: Above Ground/Buried Under Ground_50x6 mm GI strip	Meter	478
573	Supply & installation of GI earthing conductor of the following sizes: Above Ground/Buried Under Ground_25x6 mm GI strip	Meter	293
574	Supply & installation of GI earthing conductor of the following sizes: Above Ground/Buried Under Ground_25 x 6 mm Copper strip	Meter	179
575	Supply & Laying of GI pipe for conduit including GI bend, GI Socket, Threading etc. complete_50 mm Dia	Meter	506
576	Supply, erection, testing & commissioning of Lightning Arrestor finials with Cu tube 25mm dia 1.8m long having single point at the top with 85mm dia 3mm thick Cu base plate as per IS:2309. including supply of all hardware labour etc. complete as per approved drawings, specifications and directions of Engineer-In-Charge.	Each	16817
577	Sand padding	Meter	315
578	Hard Barricadding	Meter	405
579	Ball Valve-1 1/2"-800# -SW (BODY: ASTM A 105-Charpy at 0 Deg C)	Each	10217
580	Ball Valve-1"-800# -SW (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	4959
581	Ball Valve-3/4"-800# -SW (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	4034
582	Ball Valve-1/2"-800# -SW (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	3306
583	Ball Valve-1 1/2"-800# -Threaded (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	9975
584	Ball Valve-1"-800# -Threaded (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	4684
585	Ball Valve-1/2"-800# -Threaded (BODY:ASTM A 105-Charpy at 0 Deg C)	Each	3086
586	Ball Valve-1 1/2"-800# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	21877
587	Ball Valve-1"-800# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	11731
588	Ball Valve-3/4"-800# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	10780
589	Ball Valve-1"-800# -SW (BODY:ASTM A 350 Gr. LF2), With Nipple	Each	4975
590	Ball Valve-1/2"-800# -SW (BODY:ASTM A 350 Gr. LF2), With Nipple	Each	1795
591	Ball Valve-1/2"-800# -Threaded (BODY:ASTM A 350 Gr. LF2)	Each	3491
592	Ball Valve-1½"-600# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	28535
593	Ball Valve-1"-600# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	17121
594	Ball Valve-3/4"-600# -Flanged (BODY:ASTM A 350 Gr. LF2)	Each	15536
595	Globe Valve-1"-800#-SW (BODY:ASTM A 350 Gr. LF2)	Each	4417
596	Globe Valve-1"-800#-Threaded (BODY:ASTM A 350 Gr. LF2)	Each	4417
597	Globe Valve-1"-800#-SW/Threaded (BODY:ASTM A 350 Gr. LF2)	Each	4417
598	Globe Valve-1"-800#-Flanged (BODY:ASTM A 350 Gr. LF2)	Each	4417
599	Globe Valve-1/2"-800#-SW (BODY:ASTM A 350 Gr. LF2)	Each	3197
600	Globe Valve-1/2"-800#-Threaded (BODY:ASTM A 350 Gr. LF2)	Each	3197
601	Globe Valve-1/2"-800#-SW/Threaded (BODY:ASTM A 350 Gr. LF2)	Each	3197

REVISED Schedule A : Fixed Rates for Associated items for Supply & Services - Rev.01
e Tender 579627

Project Length - 5 km to 50 km - Hoshiarpur & Gurdaspur GA

Sr. No.	Item/ Services Description	Unit of Measurement	Fixed Basic Unit Rate (Rs.)
602	Globe Valve-1/2"-800#-Flanged (BODY:ASTM A 350 Gr. LF2)	Each	3197
603	1"X800#, OST & OSW with Nipple, BV, ASTM A 350 Gr. LF2	Each	10200
604	1" X 6" Long BSP Pipe Nipple, ASTM A 333 Gr. 6, Sch 80	Each	1710
605	1" X 6" Long BST Pipe Nipple, ASTM A 333 Gr. 6, Sch 80	Each	1620
606	1/2" X 6" Long BSP Pipe Nipple, ASTM A 333 Gr. 6, Sch 80	Each	1620
607	1/2" X 6" Long BST Pipe Nipple, ASTM A 333 Gr. 6, Sch 80	Each	1620
608	1" X 3000# NPT Coupling, ASTM A 350 Gr. LF2	Each	155
609	1" X 3000# S/W Full Coupling, ASTM A 105-Charpy at 0 Deg C	Each	85
610	1" X 1/2" 3000# NPT Reducing Coupling, ASTM A 105-Charpy at 0 Deg C	Each	85
611	1/2" X 3000# S/W Full Coupling, ASTM A 105-Charpy at 0 Deg C	Each	50
612	Hex Plug, 1" X 3000#, ASTM A 105-Charpy at 0 Deg C	Each	80
613	Hex Plug, 1/2" X 3000#, NPT, ASTM A 105-Charpy at 0 Deg C	Each	60
614	Hex Plug, 1/2" X 3000#, BST, ASTM A 350 Gr. LF2	Each	60
615	Hex Nipple, 1/2" X 3000#, BST, ASTM A 350 Gr. LF2	Each	125
616	Hex Nipple, 3/4" X 1/2", 3000#, ASTM A 105-Charpy at 0 Deg C	Each	155
	Additional line items Note: Applicable only for activities/requirement related to existing/already laid pipeline only. In any case not to be considered for new pipeline laying activities. Prior approval from EIC shall be required before execution.		
617	TEST,WELD,JOINTS,RT-XRAY	IDI	698.5
618	TEST,WELD,JOINTS,RT-GAMMARAY	IDI	825.5
619	TEST,WELD,JOINTS,NDT-ULTRASONIC	DAY	4,781.97
620	TEST,WELD,JOINTS,NDT-MPT	DAY	4,781.97
621	SUPPLY,COATING,PIPE,JOINT,EPOXY,R95	L	3,719.31
622	SUPPLY,TAPE,HEAT,SHRINKABLE,≤8"	M2	2,922.37
623	SUPPLY,TAPE,HEAT,SHRINKABLE,10"-18"	M2	5,313.30
624	APPLICATION,COATING,PIPE,JOINT,EPOXY,R95	M2	1,062.66
625	APPLICATION,TAPE,HEAT,SHRINKABLE,≤8"	M2	2,391.04
626	APPLICATION,TAPE,HEAT,SHRINKABLE,10"-18"	M2	5,313.30
627	HYDROTEST,PIPE,MS,SWABBING,≤8"NB	M	690.73
628	HYDROTEST,PIPE,MS,SWABBING,>8"NB	M	1,275.19
629	TESTING,PNEUMATIC,PIPE,MS,≤8"NB	M	239.1
630	TESTING,PNEUMATIC,PIPE,MS,>8"NB	M	1,275.19
631	O&M,PIPE,MS,DRYING,≤8"NB	M	478.2
632	O&M,PIPE,MS,DRYING,>8"NB	M	478.2
633	REMOVAL,COATING,PIPE,A/G,3LPE/EPOXY/CTE	M2	1905
634	SHOT,BLASTING,PIPE,STRUCTURE	M2	381
635	SUPPLY,MOBILIZE,TANK,N2,LIQUID,COMERCIAL	M3	132.83
636	SUPPLY,MOBILIZE,CYLINDER,N2,7M ³ ,COMMRCAL	EA	158.75
637	CUT,DISMANTLE,TRANSPORT,PIPE,>8"	M	1034
638	CUT,DISMANTLE,TRANSPORT,PIPE,≤8"	M	803