

<b>BUFFER STOCK -PIPES &amp; FITTINGS</b>			
<b>S.No.</b>	<b>Material Description</b>	<b>Quantity</b>	<b>UOM</b>
<b>PIPES AS PER ASTM A53 GR B SEAMLESS</b>			
1	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 BLACK 032 NB	12	Mtr
2	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 BLACK 040 NB	24	Mtr
3	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 BLACK 050 NB	18	Mtr
4	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 BLACK 065 NB	12	Mtr
5	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 032 NB	12	Mtr
6	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 040 NB	18	Mtr
7	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 050 NB	24	Mtr
8	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 080 NB	6	Mtr
9	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 100 NB	12	Mtr
10	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 125 NB	6	Mtr
11	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.40 GALVD 150 NB	6	Mtr
12	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 025 NB	6	Mtr
13	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 032 NB	6	Mtr
14	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 040 NB	12	Mtr
15	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 050 NB	18	Mtr
16	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 065 NB	12	Mtr
17	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 125 NB	6	Mtr
18	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 BLACK. 150 NB	6	Mtr
19	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 025 NB	18	Mtr
20	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 032 NB	18	Mtr
21	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 040 NB	24	Mtr
22	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 050 NB	30	Mtr
23	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 065 NB	24	Mtr
24	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 080 NB	18	Mtr
25	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 125 NB	12	Mtr
26	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 150 NB	24	Mtr
27	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 250 NB	6	Mtr
28	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 300 NB	6	Mtr
29	CARBON STL PIPE ASTM A53 GR B SEAMLESS SCH.80 GALVD 350 NB	6	Mtr
<b>BENDS AS PER ASTM A234</b>			
30	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1.5D 100 NB GALVD	5	Nos.
31	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1.5D 125 NB GALVD	5	Nos.
32	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1.5D 150 NB GALVD	5	Nos.
33	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1.5D 200 NB GALVD	5	Nos.
34	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1.5D 250 NB GALVD	2	Nos.
35	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 080 NB GALVD	5	Nos.
36	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 100 NB GALVD	5	Nos.
37	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 125 NB GALVD	5	Nos.
38	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 150 NB GALVD	5	Nos.
39	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 200 NB GALVD	5	Nos.
40	CS BW BEND ASTM A234 WPB SCH 80 45 DEG.1D 250 NB GALVD	2	Nos.
41	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 025 NB GALVD	5	Nos.
42	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 032 NB BLACK	5	Nos.
43	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 040 NB BLACK	5	Nos.
44	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 040 NB GALVD	5	Nos.
45	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 050 NB BLACK	5	Nos.
46	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 050 NB GALVD	5	Nos.
47	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 065 NB BLACK	5	Nos.
48	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 065 NB GALVD	5	Nos.
49	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 100 NB GALVD	10	Nos.
50	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 125 NB GALVD	10	Nos.
51	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 150 NB GALVD	10	Nos.
52	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1.5D 250 NB GALVD	5	Nos.
53	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1D 080 NB GALVD	10	Nos.
54	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1D 100 NB GALVD	10	Nos.

55	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1D 125 NB GALVD	10	Nos.
56	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1D 150 NB GALVD	10	Nos.
57	CS BW BEND ASTM A234 WPB SCH 80 90 DEG. 1D 200 NB GALVD	5	Nos.
<b>SLIP ON FLANGES AS PER EN 1092-1</b>			
58	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 32 NB PCD -100,Bolt Hole- 18*4nos, OD-140, T-,18	20	Nos.
59	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 40 NB PCD -110,Bolt Hole- 18*4nos, OD-150, T-,18	20	Nos.
60	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 50 NB PCD -125,Bolt Hole- 18*4nos, OD-165, T-,18	15	Nos.
61	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 65 NB PCD -145,Bolt Hole- 18*4nos, OD-185, T-,18	15	Nos.
62	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 80 NB PCD -160,Bolt Hole- 18*8nos, OD-200, T-,20	15	Nos.
63	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 100 NB PCD -180,Bolt Hole- 18*8nos, OD-220, T-,22	25	Nos.
64	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 125 NB PCD -210,Bolt Hole- 18*8nos, OD-250, T-,24	50	Nos.
65	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 150 NB PCD -240,Bolt Hole- 22*8nos, OD-285, T-,24	15	Nos.
66	CARBON STL SLIP ON FLANGES EN 1092-1 PN10 200 NB PCD -295,Bolt Hole- 22*8nos, OD-340, T-,26	10	Nos.
67	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 200 NB PCD -295,Bolt Hole- 22*12nos, OD-340, T-,26	10	Nos.
68	CARBON STL SLIP ON FLANGES EN 1092-1 PN10 250 NB PCD -350,Bolt Hole- 22*12nos, OD-395, T-,26	5	Nos.
69	CARBON STL SLIP ON FLANGES EN 1092-1 PN16 250 NB PCD -355,Bolt Hole- 26*12nos, OD-405, T-,32	5	Nos.
70	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 50 NB PCD -125,Bolt Hole- 18*4nos, OD-165, T-,18	15	Nos.
71	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 65 NB PCD -145,Bolt Hole- 18*4nos, OD-185, T-,18	15	Nos.
72	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 80 NB PCD -160,Bolt Hole- 18*8nos, OD-200, T-,20	15	Nos.
73	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 100 NB PCD -180,Bolt Hole- 18*8nos, OD-220, T-,22	25	Nos.
74	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 125 NB PCD -210,Bolt Hole- 18*8nos, OD-250, T-,24	25	Nos.
75	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 150 NB PCD -240,Bolt Hole- 22*8nos, OD-285, T-,24	25	Nos.
76	GALV STEEL SLIP ON FLANGES EN 1092-1 PN10 200 NB PCD -295,Bolt Hole- 22*8nos, OD-340, T-,26	10	Nos.
77	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 200 NB PCD -295,Bolt Hole- 22*12nos, OD-340, T-,26	10	Nos.
78	GALV STEEL SLIP ON FLANGES EN 1092-1 PN10 250 NB PCD -350,Bolt Hole- 22*12nos, OD-395, T-,26	5	Nos.
79	GALV STEEL SLIP ON FLANGES EN 1092-1 PN16 250 NB PCD -355,Bolt Hole- 26*12nos, OD-405, T-,32	5	Nos.
<b>BLANK FLANGES AS PER NS 2546</b>			
80	25 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -85 ,Bolt Hole- 14*4nos, OD-105, T-,16	10	Nos.
81	32 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -100,Bolt Hole- 18*4nos, OD-140, T-,18	10	Nos.
82	40 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -110,Bolt Hole- 18*4nos, OD-150, T-,18	10	Nos.
83	50 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -125,Bolt Hole- 18*4nos, OD-165, T-,18	10	Nos.

84	65 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -145,Bolt Hole- 18*4nos, OD-185, T-,18	10	Nos.
85	80 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -160,Bolt Hole- 18*8nos, OD-200, T-,20	10	Nos.
86	100 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -180,Bolt Hole- 18*8nos, OD-220, T-,20	10	Nos.
87	125 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -210,Bolt Hole- 18*8nos, OD-250, T-,22	10	Nos.
88	150 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -240,Bolt Hole- 22*8nos, OD-285, T-,24	15	Nos.
89	200 NB CARBON STEEL BLANK FLANGE ASTM A105 PN10 NS 2546 PCD -295,Bolt Hole- 22*8nos, OD-340, T-,24	10	Nos.
90	200 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -295,Bolt Hole- 22*12nos, OD-340, T-,24	5	Nos.
91	250 NB CARBON STEEL BLANK FLANGE ASTM A105 PN10 NS 2546 PCD -350,Bolt Hole- 22*12nos, OD-395, T-,24	5	Nos.
92	250 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -355,Bolt Hole- 26*12nos, OD-395, T-,24	3	Nos.
93	300 NB CARBON STEEL BLANK FLANGE ASTM A105 PN10 NS 2546 PCD -400,Bolt Hole- 22*12nos, OD-445, T-,24	3	Nos.
94	300 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -410,Bolt Hole- 26*12nos, OD-460, T-,24	3	Nos.
95	350 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -460,Bolt Hole- 22*16 nos, OD-505, T-,24	2	Nos.
96	350 NB CARBON STEEL BLANK FLANGE ASTM A105 PN16 NS 2546 PCD -470,Bolt Hole- 26*16 nos, OD-520, T-,24	2	Nos.

**GENERAL TERMS & CONDITIONS**

1	Length of pipe to be supplied should be of standard length of 6 mtr.Max Allowable tolerance per pipe in 5% of total length of individual pipe.
2	Elbows & bends to be supplied in seperate boxes as per size.
3	Delivery of all material to be done within 30 days after issuance of work order.