

SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
1	100000701		FLANGE,BLRF,CS,ASTMA105,300#,6" CS Blind Flange, Class-300, A105 GR B16.5, Size-6"	No.	25				
2	100000926		BEND,90°,CS,WPHY52,3D,BW,SCH.STD,12" Carbon Steel, Forged, Seamless, 90° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	30				
3	100000969		BEND,90°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 90° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	200				
4	100002301		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S80,4" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9(300#/600#)_Size: 4"x4"x4"-Fitting WT as per Sch 80 on all end_MoC: ASTM A 420 Gr. WPL 6	No.	50				
5	100004366		FLANGE,BLRF,CS,ASTMA350,LF2,300#,6" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300#)_SIZE: 6"_MoC: ASTM A 350_Gr.LF2	No.	35				
6	100004747		ELBOW,90°,CS,ASTMA234,WPB,1.5D,BW,S80,2" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASMEB 16.9 (150#)_Size: 2" NB_Fitting WT as per Sch 80_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	125				
7	100004859		ELBOW,90°,CS,ASTMA234,WPB,1.5D,BW,S40,6" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9 (150#)_Size: 6" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	55				
8	100007161		WELDOLET,CS,ASTMA105,S80,3000#,6"X2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 105, Butt Weld as per ASME B16.25, Dimensions as per MSS SP 97(3000#)_Size: 6"x2"-Fitting WT on 2" End Sch 80_MoC: ASTM A 105(Charpy at 0° C)	No.	65				
9	100008022		CAP,END,CS,ASTMA234,WPB,BW,S40,12" Carbon Steel, Seamless, End Cap, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9(150#)_Size:12" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
10	100008026		RED,CON,CS,ASTMA234,WPB,BW,S80,4"X2" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTMA 234,Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 4"x2"_Fitting WT Sch 80 on both end_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	45				
11	100008032		SOCKOLET,CS,ASTMA105,S80,3000#,4"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 105, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#)_Size: 4"x1"-Sch 80- MoC: ASTM A 105_Charpay at 0° C	No.	40				
12	100008049		PLUG,HEX,CS,ASTMA105,3000#,NPT,1/2" Carbon Steel Hex headed threaded Plug, dimension as per ASME B 16.11 (NPT), Material confirming to ASTM A 105 (Charpy at 0°c) as per GGL Specification_Size_1/2"_3000#_MOC_ASTM A 105	No.	55				
13	100008381		CAP,END,CS,ASTMA234,WPB,BW,S40,8" Carbon Steel, Seamless, End Cap, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (150#)_Size:8" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	25				
14	100008382		CAP,END,CS,ASTMA234,WPB,BW,S40,6" Carbon Steel, Seamless, End Cap, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size:6" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	30				
15	100008385		ELBOW,90°,CS,ASTMA234WPB,1.5D,BW,STD,12" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 12" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
16	100008387		ELBOW,90°,CS,ASTMA234,WPB,1.5D,BW,S40,8" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (150#)_Size: 8" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	25				
17	100008402		ELBOW,45°,CS,ASTMA234,WPB,1.5D,BW,S40,8" Carbon Steel, Seamless, 45° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 8" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	20				
18	100008409		RED,CON,CS,ASTMA234,WPB,BW,S40,12"X6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 4"x2"_Fitting WT as per 4"/Sch 80 x 2"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
19	100008419		RED,CON,CS,ASTMA234,WPB,BW,S40,8"X6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#)_Size: 8"x6"_Fitting WT as per 8"/Sch 40 X 6"/Sch40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	30				
20	100008420		RED,CON,CS,ASTMA234,WPB,BW,S40,8"X4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 8"x4"_Fitting WT as per 8"/Sch 40 x 4"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)"	No.	30				
21	100008422		RED,CON,CS,ASTMA234,WPB,BW,S40,6"X4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 6"x4"_Fitting WT as per 6"/Sch 40 x 4"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	35				
22	100013524		RED,CON,CS,ASTMA234,WPB,BW,S40,3"X2" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 3"x2"_Fitting WT as per 3"/Sch 40 X 2"/Sch80_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	25				

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Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
23	100008445		TEE,EQUAL,CS,WPB,BW,S40,12" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 12"x12"x12" _Fitting WT as per Sch 40_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
24	100008447		TEE,EQUAL,CS,ASTMA234,WPB,BW,S40,8" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (150#)_Size: 8"x8"x8" _Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	20				
25	100008448		TEE,EQUAL,CS,ASTMA234,WPB,BW,S40,6" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 6"x6"x6" _Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	25				
26	100008458		TEE,RED,CS,ASTMA234,WPB,BW,S40,8"x4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (150#)_Size: 6"x4" _Fitting WT as per 6"/Sch 40 x 4"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	30				
27	100008459		TEE,RED,CS,ASTMA234,WPB,BW,S40,6"x4" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 234, Butt Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#)_Size: 6"x6"x4" _Fitting WT as per 6"/Sch 40 x 4"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	25				
28	100008463		TEE,RED,CS,ASTMA234,WPB,BW,S40,8"x6" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#)_Size: 8"x8"x6" _Fitting WT as per 8"/Sch 40 x 6"/Sch 40_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	35				
29	100008541		FLANGE,WNRF,CS,ASTMA105,150#,3" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5 (150#)_SIZE: 3" _WELD NECK SCH 40_MoC: ASTM A 105 (Charpy at 0° C)	No.	25				
30	100008571		FLANGE,BLRF,CS,ASTMA105,150#,3" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 3" _MoC: ASTM A 105 (Charpy at 0° C)	No.	15				
31	100008572		FLANGE,BLRF,CS,ASTMA105,150#,4" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 4" _MoC: ASTM A 105 (Charpy at 0° C)	No.	25				
32	100008573		FLANGE,BLRF,CS,ASTMA105,150#,6" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 6" _MoC: ASTM A 105 (Charpy at 0° C)	No.	15				
33	100008574		FLANGE,BLRF,CS,ASTMA105,150#,8" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 8" _MoC: ASTM A 105 (Charpy at 0° C)	No.	10				
34	100008575		FLANGE,BLRF,CS,ASTMA105,150#,10" Carbon Steel, Blind Flange, Raised Face (RF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150#)_SIZE: 10" _MoC: ASTM A 105 (Charpy at 0° C)	No.	10				
35	100008576		FLANGE,BLRF,CS,ASTMA105,150#,12" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 12" _MoC: ASTM A 105 (Charpy at 0° C)	No.	10				
36	100008631		PLUG,HEX,CS,ASTMA105,3000#,NPT,1" Carbon Steel Hex headed threaded Plug, dimension as per ASME B 16.11 (NPT), Material confirming to ASTM A 105 (Charpy at 0°C) as per GGL Specification_Size_1" _3000# _MOC_ASTM A 105	No.	45				
37	100008980		FLANGE,WNRF,CS,ASTMA105,S40,150#,6" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16. (150#)_SIZE: 6" _WELD NECK SCH 40_MoC: ASTM A 105 (Charpy at 0° C)	No.	30				
38	100009257		RED,CON,CS,WPHY52,BW,S40,8"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"x6"-Fitting WT as per 8"/Sch 40 (Bevel End WT-6.4 mm) X 6"/Sch 40 (Bevel End WT-6.4 mm)_MoC:MSS SP 75_Gr. WPHY 52	No.	25				
39	100009258		RED,CONC,CS,WPHY52,BW,S40,8"x4" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"x4"-Fitting WT as per 8"/Sch 40 (Bevel End WT-6.4 mm) X 4"/Sch 80 (Bevel End WT-6.4 mm)_MoC:MSS SP 75_Gr. WPHY 52	No.	20				
40	100009325		CAP,END,CS,ASTMA234,WPB,BW,S80,4" Carbon Steel, Seamless, End Cap, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size:4" NB_Fitting WT as per Sch 80_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	30				
41	100009357		ELBOW,45°,CS,ASTMA234,WPB,1.5D,BW,S80,4" Carbon Steel, Seamless, 45° Elbow , Long Radius (1.5D), Materials per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 4" NB_Fitting WT as per Sch 80_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	30				
42	100009390		TEE,RED,CS,ASTMA234,WPB,BW,S80,4"x2" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size:4"x4"x2" _Fitting WT as per 4"/Sch 80 x 2"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	45				
43	100009650		ELBOW,45°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	60				
44	100009738		FLANGE,BLRF,SPECTCL,CS,ASTMA105,150#,12" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 105, Dimensions as per ASME B 16.48,Compatible with flange dimensions as per ASME B 16.5, 150 #_SIZE:12" _MOC: ASTM A 105 (Charpy at 0 Deg C)	No.	10				

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Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
45	100009807		ELBOW,90°,CS,ASTMA420,1.5D,BW,S80,2" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#/600#)_Size: 2"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr. WPL6	No.	205				
46	100009893		RED,CON,CS,ASTMA234,WPB,BW,S80,2"x1" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 2"x1" _Fitting WT as per 2"/Sch 80 x 1"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	25				
47	100009900		COUPLING,RED,CS,ASTMA105,SW3000#,1"x1/2" Carbon Steel Coupling, Reducing, Both Side Threaded (NPT), Material as per ASTM A 105 (Charpy at 0 Deg C)_Size: 1"x1/2" _3000#	No.	35				
48	100010004		NIPLE,CS,ASTMA333,GR.6,OST,S80,1"x6" Carbon Steel, Seamless, Pipe Nipple, Material confirming to ASTM A 333, Dimensions as per ASME B 36.10, One Side Plain end (For Socket Welding as per ASME B 16.11) and one side Threaded End (NPTF) (As per ASME B 1.20.1), Confirming to GGL Technical Specification and Data Sheet_Size: 1" (33.4 mm OD) x 6" Long_Wall Thickness as per Sch 80_MoC: ASTM A 333_Gr.6	No.	40				
49	100010205		FLANGE,WNRF,CS,ASTMA105,S80,150#,2" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5 (150#)_SIZE: 2" _WELD NECK SCH 80_MoC: ASTM A 105 (Charpy at 0° C)	No.	100				
50	100010206		FLANGE,BLRF,CS,ASTMA105,150#,2" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 2" _MoC: ASTM A 105 (Charpy at 0° C)	No.	55				
51	100010210		ELBOW,45°,CS,ASTMA234,WPB,1.5D,BW,S40,6" Carbon Steel, Seamless, 45° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (150#)_Size: 6" NB-Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	20				
52	100010222		WELDOLET,CS,ASTMA105,S80,3000#,8"x2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 105, Butt Weld asper ASME B16.25, Dimensions as per MSS SP 97(3000#)_Size: 8"x2"-Fitting WT on 2" end Sch 80_MoC: ASTM A 105_Charpay at 0° C	No.	45				
53	100010273		WELDOLET,CS,ASTMA105,S80,3000#,12"x2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 105, Butt Weld asper ASME B16.25, Dimensions as per MSS SP 97(3000#)_Size: 12"x2"-Fitting WT on 2" end Sch 80_MoC: ASTM A 105(Charpay at 0° C)	No.	20				
54	100010292		NIPLE,CS,ASTMA333,GR.6,PBE,S80,1"x6" Carbon Steel, Seamless, Pipe Nipple, Material as per ASTM A 333, Dimensions as per ASME B 36.10, Both Side Plain end (For Socket Welding as per ASME B 16.11), Confirming to GGL Technical Specification and Data Sheet_Size: 1" (33.4 mm OD) x 6" Long_Wall Thickness as per Sch 80_MoC: ASTM A 333_Gr.6	No.	45				
55	100010294		ELBOW,90°,CS,ASTMA105,SW,3000#,1" Carbon Steel, Forged, 90° Elbow, Material as per ASTM A 105, Socket Weld as per ASME B16.11(3000#)_Size: 1" _MoC: ASTM A 105 (Charpy at 0° C)	No.	25				
56	100010402		FLANGE,SORF,CS,ASTMA105,150#,1" Carbon Steel, Forged, Flange, Slip On Raised Face (SORF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 1" _MoC: ASTM A 105 (Charpy at 0° C)	No.	25				
57	100010403		FLANGE,SORF,CS,ASTMA105,150#,1/2" Carbon Steel, Forged, Flange, Slip On Raised Face (SORF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 1/2" _MoC: ASTM A 105 (Charpy at 0° C)	No.	20				
58	100010406		ELBOW,90°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9, (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr.WPHY 52	No.	80				
59	100010407		ELBOW,45°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	70				
60	100010409		ELBOW,10°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 10° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	50				
61	100010413		CAP,END,CS,WPHY52,BW,S40,8" Carbon Steel, Seamless, End Cap, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8" _Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
62	100010437		TEE,EQUAL,CS,WPHY52,BW,S40,8" Carbon Steel, Seamless, Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"x8"x8"- Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	30				
63	100010438		ELBOW,90°,CS,WPHY52,1.5D,BW,S40,12" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
64	100010444		NIPLE,HEX,CS,A333,GR6,6000#,TBE3/4"x1/2" Carbon Steel, Forged, Seamless, Hex Nipple, Material Confirming to ASTM A 333, Dimensions as per ASME B 36.10, Both Side Threaded End (NPT), Threaded end Dimension as per ASME B 16.11, Confirming to GGL Technical Specification and Data Sheet_Size: 3/4"x1/2" _Pressure Class: 6000#_MoC: ASTM A 333_Gr.6	No.	15				
65	100010453		RED,CON,CS,ASTMA420,WPL6,BW,S80,12"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTMA 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size: 12"x6"-Fitting WT as per 8"/Sch 80 X 6"/Sch 40 _MoC: ASTM A 420_Gr.WPL 6	No.	10				



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E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
66	100010454		RED,CON,CS,ASTMA420,WPL6,BW,S80,6"X3" Carbon Steel, Seamless, Concentric Reducer, Material as perASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size: 6"x3"-Fitting WT as per 6"/Sch 80 x 3"/Sch 40_MoC: ASTM A 420_Gr.WPL 6	No.	10				
67	100010455		ELBOW,90°,CS,ASTMA420,1.5D,BW,S80,4" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensionsas per ASME B16.9 (300#)_Size: 4"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr.WPL6	No.	105				
68	100010457		FLANGE,WNRF,CS,ASTMA350,LF2,600#,12" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5 (600#)_SIZE: 12" _WELD NECK SCH 80_MoC: ASTM A 350_LF2	No.	10				
69	100010458		RED,CON,CS,WPHY52,BW,SCH.STD,12"X8" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150#/300#)_Size: 12"x8"-Fitting WT as per 12"/Sch STD (Bevel End WT-6.4 mm) X 8"/Sch 40 (Bevel End WT-6.4mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
70	100010459		FLANGE,WNRF,CS,ASTMA350,LF2,600#,4" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5 (600#)_SIZE: 4" _WELD NECK SCH 80_MoC: ASTM A 350_LF2	No.	10				
71	100010460		FLANGE,BLRF,CS,ASTMA350,LF2,600#,4" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(600 #)_SIZE: 4" _MoC: ASTM A 350_Gr.LF2	No.	10				
72	100010872		FLANGE,WNRF,CS,ASTMA350,LF2,600#,6" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5 (600#)_SIZE: 6" _WELD NECK SCH 80_MoC: ASTM A 350_LF2	No.	10				
73	100010876		FLANGE,BLRF,CS,ASTMA350,LF2,600#,8" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(600 #)_SIZE: 8" _MoC: ASTM A 350_Gr.LF2	No.	10				
74	100010877		FLANGE,BLRF,CS,ASTMA350,LF2,600#,6" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(600 #)_SIZE: 6" _MoC: ASTM A 350_Gr.LF2	No.	10				
75	100010885		NIPLE,CS,ASTMA333,GR.6,TBE,S80,1/2"X6" Carbon Steel, Seamless, Pipe Nipple, Material confirming to ASTM A 333, Dimensions as per ASME B 36.10, Both side Threaded End (NPTF) (As per ASME B 1.20.1), Confirming to GGL Technical Specification and Data Sheet_Size: 1/2" (21.3 mm OD) x 6" Long_Wall Thickness as per Sch 80_MoC: ASTM A 333_Gr.6	No.	30				
76	100010950		ELBOW,10°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 10° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
77	100010951		ELBOW,15°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 15° Elbow, Long Radius (1.5D), Materialas per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150 #/300#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
78	100010954		ELBOW,30°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 30° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	40				
79	100010956		ELBOW,45°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr.WPHY 52	No.	55				
80	100010957		ELBOW,60°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 60° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
81	100010958		ELBOW,90°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9, (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	95				
82	100010959		ELBOW,15°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 15° Elbow, Long Radius (1.5D), Materialas per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150 #/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	40				
83	100010961		ELBOW,30°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 30° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	45				
84	100010963		ELBOW,60°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 60° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	30				
85	100010964		ELBOW,10°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 10° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
86	100010965		ELBOW,15°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 15° Elbow, Long Radius (1.5D), Materialas per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150 #/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				

SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
87	100010968		ELBOW,30°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 30° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
88	100010969		ELBOW,45°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
89	100010970		ELBOW,60°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 60° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
90	100010971		ELBOW,90°,CS,WPHY52,1.5D,BW,SCH.STD,12" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Materialas per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150 #/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr.WPHY 52	No.	25				
91	100011155		CAP,END,CS,WPHY52,BW,S80,4" Carbon Steel, Seamless, End Cap, Material as per MSS SP 75, ButtWeld as per ASME B16.25, Dimensions as per ASME B16.9(150#)_Size: 4"_Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr.WPHY 52	No.	30				
92	100011205		FLANGE,WNRF,CS,ASTMA350,LF2,300#,S80,2" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per AS ME B 16.5(300#)_SIZE: 2"_WELD NECK SCH 80_MoC: ASTM A 350 Gr.LF2	No.	275				
93	100011206		FLANGE,BLRF,CS,ASTMA350,LF2,300#,2" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 2"_MoC: ASTM A 350_Gr.LF2	No.	225				
94	100011207		ELBOW,22.5°,CS,WPHY52,1.5D,BW,S40,8" Carbon Steel, Seamless, 22.5° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	60				
95	100011209		ELBOW,90°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9, (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	70				
96	100011210		TEE,RED,CS,ASTMA420,WPL6,BW,S80,4"x2" Carbon Steel, Forged, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 4"x4"x2"-Fitting WT as per 4"/Sch 80 x 2"/Sch 80_MoC: ASTM A 420_Gr. WPL 6	No.	105				
97	100011212		WELDOLET,CS,ASTMA350,S80,3000#,8"x2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 350, Butt Weld as per ASME B16.25, Dimensions as per MSS SP 97(3000#)_Size: 8"x2"-Fitting WT on 2" end Sch 80_MoC: ASTM A 350_Gr.LF2	No.	70				
98	100011223		RED,CON,CS,ASTMA420,WPL6,BW,S40,6"x4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#)_Size: 6"x4"-Fitting WT as per 6"/Sch 40 x 4"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	60				
99	100011224		RED,CON,CS,ASTMA420,WPL6,BW,S80,4"x2" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 4"x2"-Fitting WT as per 4"/Sch 80 x 2"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	55				
100	100011225		ELBOW,90°,CS,ASTMA420,1.5D,BW,S40,6" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensionsas per ASME B16.9 (300#)_Size: 6"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	45				
101	100011227		WELDOLET,CS,ASTMA350,S80,6000#,6"x2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 350, Butt Weld asper ASME B16.25, Dimensions as per MSS SP 97(6000#)_Size: 6"x2"-Fitting WT at 2" end as per Sch 80_MoC: ASTM A 350_Gr.LF2	No.	10				
102	100011321		FLANGE,WNRF,CS,ASTMA350,LF2,300#,S40,6" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per AS ME B 16.5(300#)_SIZE: 6"_WELD NECK SCH 40_MoC: ASTM A 350 Gr.LF2	No.	40				
103	100011322		FLANGE,WNRF,CS,ASTMA350,LF2,300#S40,12" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per AS ME B 16.5(300#)_SIZE: 12"_WELD NECK SCH 40_MoC: ASTM A 350 Gr.LF2	No.	10				
104	100011323		FLANGE,WNRF,CS,ASTMA350,LF2,300#,S80,4" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5 (300#)_SIZE: 4"_WELD NECK SCH 80_MoC: ASTM A 350 Gr.LF2	No.	100				
105	100011332		BEND,10°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 10° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as p er ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Sr. WPHY 52	No.	35				
106	100011333		BEND,15°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 15° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as p er ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Sr. WPHY 52	No.	40				
107	100011336		BEND,60°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 60° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as p er ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
108	100011337		BEND,22.5°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 22.5° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				

SECTION III - SCHEDULE OF RATES ( SOR)  
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E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
109	100011338		BEND,30°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 30° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
110	100011339		BEND,45°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 45° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	50				
111	100011340		BEND,90°,CS,WPHY52,3D,BW,S40,8" Carbon Steel, Forged, Seamless, 90° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	65				
112	100011654		ELBOW,90°,CS,ASTMA234,WPB,1.5D,BW,S80,4" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 4" NB_Fitting WT as per Sch 80_MoC: ASTM A234_Gr.WPB (Charpy at 0° C)	No.	35				
113	100011657		BEND,90°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 90° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	40				
114	100011665		BEND,45°,CS,WPHY52,3D,BW,SCH.STD,12" Carbon Steel, Forged, Seamless, 45° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
115	100011666		BEND,45°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 45° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	110				
116	100011667		BEND,45°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 45° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	40				
117	100011672		ELBOW,60°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 60° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
118	100011673		BEND,60°,CS,WPHY52,3D,BW,SCH.STD,12" Carbon Steel, Forged, Seamless, 60° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
119	100011674		BEND,60°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 60° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	50				
120	100011675		BEND,60°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 60° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
121	100011676		ELBOW,30°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 30° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
122	100011678		BEND,30°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 30° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	65				
123	100011679		BEND,30°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 30° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
124	100011680		ELBOW,22.5°,CS,WPHY52,1.5D,BW,STD,12" Carbon Steel, Seamless, 22.5° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
125	100011681		ELBOW,22.5°,CS,WPHY52,1.5D,BW,S40,6" Carbon Steel, Seamless, 22.5° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
126	100011682		ELBOW,22.5°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 22.5° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	30				
127	100011683		BEND,22.5°,CS,WPHY52,3D,BW,SCH.STD,12" Carbon Steel, Forged, Seamless, 22.5° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
128	100011684		BEND,22.5°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 22.5° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	85				



SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
129	100011685		BEND,22.5°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 22.5° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
130	100011686		ELBOW,10°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 10° Elbow, Long Radius (1.5D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	25				
131	100011687		BEND,10°,CS,WPHY52,3D,BW,SCH.STD,12" Carbon Steel, Forged, Seamless, 10° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
132	100011688		BEND,10°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 10° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	50				
133	100011689		BEND,10°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 10° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
134	100011690		ELBOW,90°,CS,ASTMA420,1.5D,BW,S40,12" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#)_Size: 12"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	15				
135	100011691		ELBOW,90°,CS,ASTMA420,1.5D,BW,S40,8" Carbon Steel, Seamless, 90° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#)_Size: 8"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	35				
136	100011693		ELBOW,90°,CS,ASTMA350,LF2,1.5D,SW,1" Carbon Steel, Forged, 90° Elbow, Material as per ASTM A 350, Socket Weld as per ASME B16.11 (3000#)_Size: 1"_MoC: ASTM A 350 Gr. LF2	No.	15				
137	100011694		ELBOW,90°,CS,ASTMA350,LF2,1.5D,SW,1/2" Carbon Steel, Forged, 90° Elbow, Material as per ASTM A 350, Socket Weld as per ASME B16.11 (3000#)_Size: 1/2"_MoC: ASTM A 350 Gr. L F2	No.	15				
138	100011695		ELBOW,45°,CS,ASTMA420,1.5D,BW,S40,12" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#)_Size: 12"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	10				
139	100011696		ELBOW,45°,CS,ASTMA420,1.5D,BW,S40,8" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#)_Size: 8"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	20				
140	100011697		ELBOW,45°,CS,ASTMA420,1.5D,BW,S40,6" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (300#)_Size: 6"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	20				
141	100011699		ELBOW,45°,CS,ASTMA420,1.5D,BW,S40,3" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensionsas per ASME B16.9 (300#/600#)_Size: 3"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr. WPL6	No.	10				
142	100011700		ELBOW,45°,CS,ASTMA420,1.5D,BW,S80,2" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensionsas per ASME B16.9 (300#/600#)_Size: 2"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr. WPL6	No.	20				
143	100011718		ELBOW,45°,CS,ASTMA420,1.5D,BW,S80,8" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Materialas per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (600#)_Size: 8"_Fitting WT as per Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
144	100011720		ELBOW,45°,CS,ASTMA420,1.5D,BW,S80,4" Carbon Steel, Seamless, 45° Elbow, Long Radius (1.5D), Materialas per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (600#)_Size: 4"_Fitting WT as per Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
145	100011743		TEE,EQUAL,CS,WPHY52,BW,SCH.STD,12" Carbon Steel, Seamless, Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"x12"x12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
146	100011744		TEE,EQUAL,CS,WPHY52,BW,S40,6" Carbon Steel, Seamless, Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 6"x6"x6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	35				
147	100011745		TEE,EQUAL,CS,WPHY52,BW,S80,4" Carbon Steel, Seamless, Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 4"x4"x4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	30				
148	100011746		TEE,EQUAL,CS,ASTMA234,WPB,BW,S80,4" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 234,Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#)_Size:4"x4"x4"_Fitting WT as per Sch 80_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	20				
149	100011750		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S40,12" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 12"x12"x12"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
150	100011751		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S40,8" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 8"x8"x8"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	20				
151	100011752		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S40,6" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#)_Size: 6"x6"x6"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	25				

SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
152	100011753		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S40,3" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 3"x3"x3"-Fitting WT as per Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
153	100011754		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S80,2" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 2"x2"x2"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr. WPL 6	No.	55				
154	100011755		TEE,EQUAL,CS,ASTMA350,LF2,SW,3000#,1" Carbon Steel, Equal Tee, Material as per ASTM A 350, Socket Weld as per ASME B16.11(3000#)_Size: 1"x1"x1"_MoC: ASTM A 350_Gr. LF2	No.	15				
155	100011756		TEE,EQUAL,CS,ASTMA350,LF2,SW,3000#,1/2" Carbon Steel, Equal Tee, Material as per ASTM A 350, Socket Weld as per ASME B16.11(3000#)_Size: 1/2"x1/2"x1/2"_MoC: ASTM A350_Gr.LF2	No.	10				
156	100011758		TEE,EQUAL,CS,WPHY65,BW,S60,8" Carbon Steel, Seamless, Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size: 8"x8"x8"-Fitting WT as per Sch 60 (Bevel End WT-9.5 mm)_MoC: MSS SP 75_Gr.WPHY 65	No.	10				
157	100011760		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S80,8" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size:8"x8"x8"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
158	100011761		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S80,6" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size:6"x6"x6"-Fitting WT as per Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
159	100011764		TEE,RED,CS,WPHY52,BW,SCH.STD,12"X8" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 12"x12"x8"-Fitting WT as per 12"/Sch STD (Bevel End WT-6.4mm) x 8"/Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
160	100011765		TEE,RED,CS,WPHY52,BW,SCH.STD,12"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 12"x12"x6"-Fitting WT as per 12"/Sch STD (Bevel End WT-6.4 mm) x 6"/Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
161	100011766		TEE,RED,CS,WPHY52,BW,S40,8"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#)_Size: 8"x8"x6"-Fitting WT as per 8"/Sch 40 (Bevel End WT-6.4 mm)) x 8"/Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
162	100011767		TEE,RED,CS,WPHY52,BW,S40,8"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 8"x8"x4"-Fitting WT as per 8"/Sch 40 (Bevel End WT-6.4 mm) x 4"/Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
163	100011768		TEE,RED,CS,WPHY52,BW,S40,6"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#/300#)_Size: 6"x6"x4"-Fitting WT as per 6"/Sch 40 (End End WT-6.4 mm) x 4"/Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	20				
164	100011773		TEE,RED,CS,ASTMA420,WPL6,BW,S40,12"X8" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 12"x12"x8"-Fitting WT as per 12"/Sch 40 x 8"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
165	100011774		TEE,RED,CS,ASTMA420,WPL6,BW,S40,12"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 12"x12"x6"-Fitting WT as per 12"/Sch 40 x 6"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
166	100011775		TEE,RED,CS,ASTMA420,WPL6,BW,S40,8"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 8"x8"x6"-Fitting WT as per 8"/Sch 40 x 6"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	15				
167	100011776		TEE,RED,CS,ASTMA420,WPL6,BW,S40,8"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 8"x8"x4"-Fitting WT as per 8"/Sch 40 x 4"/Sch 80_MoC: ASTM A 420_Gr. WPL 6	No.	15				
168	100011777		TEE,RED,CS,ASTMA420,WPL6,BW,S40,6"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 6"x6"x4"-Fitting WT as per 6"/Sch 40 x 4"/Sch 80_MoC: ASTM A 420_Gr. WPL 6	No.	20				
169	100011778		TEE,RED,CS,ASTMA420,WPL6,BW,S40,6"X3" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 6"x6"x3"-Fitting WT as per 6"/Sch 40 x 3"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
170	100011779		TEE,RED,CS,ASTMA420,WPL6,BW,S80,4"X3" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 4"x4"x3"-Fitting WT as per 4"/Sch 80 x 3"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
171	100011781		TEE,RED,CS,ASTMA420,WPL6,BW,S80,2"X1" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 2"x2"x1"-Fitting WT as per 2"/Sch 80 x 1"/Sch 80_MoC: ASTM A 420_Gr.WPL6	No.	10				
172	100011782		TEE,RED,CS,ASTMA350,LF2,SW,3000#,1"X1/2" Carbon Steel, Un Equal Tee, Material as per ASTM A 350, Socket Weld as per ASME B16.11(3000#)_Size: 1"x1"x1/2"_MoC: ASTM A 350_Gr.LF2	No.	10				
173	100011786		TEE,RED,CS,WPHY65,BW,S60,8"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9(600#)_Size:8"x8"x6"-Fitting WT as per 8"/Sch 60 (Bevel End WT-9.5 mm) X 6"/Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr.WPHY 65	No.	10				



SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
174	100011787		TEE,RED,CS,WPHY65,BW,S60,8"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9(600#) _Size:8"x8"x4"-Fitting WT as per 8"/Sch 60 (Bevel End WT-8"/9.5 mm) X 4"/Sch 80 (Bevel End WT-6.4 mm) _MoC: MSS SP 75 _Gr.WPHY 65	No.	10				
175	100011789		TEE,RED,CS,ASTMA420,WPL6,BW,S80,12"X6" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#) _Size: 12"x12"x6"-Fitting WT as per 12"/Sch 80 x 6"/Sch 40 _MoC: ASTM A 420 _Gr. WPL 6	No.	10				
176	100011791		TEE,RED,CS,ASTMA420,WPL6,BW,S80,8"X4" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#) _Size: 8"x8"x4"-Fitting WT as per 8"/Sch 80 X 4"/Sch 80 _MoC: ASTM A 420 _Gr.WPL 6	No.	10				
177	100011891		WELDOLET,CS,ASTMA350,S80,3000#,12"X4" Carbon Steel, Forged, Weldolet, Material as per ASTM A 350, Butt Weld as per ASME B16.25, Dimensions as per MSS SP 97(3000#) _Size: 12"x4"-Fitting WT on 4" end as per Sch 80 _MoC: ASTM A 350 _Gr.LF2	No.	10				
178	100011893		WELDOLET,CS,ASTMA350,S80,3000#,12"X2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 350, Butt Weld as per ASME B16.25, Dimensions as per MSS SP 97(3000#) _Size: 12"x2"-Fitting WT on 2" end as per Sch 80 _MoC: ASTM A 350 _Gr.LF2	No.	20				
179	100011895		WELDOLET,CS,ASTMA350,S80,3000#,6"X2" Carbon Steel, Forged, Weldolet, Material as per ASTM A 350, Butt Weld as per ASME B16.25, Dimensions as per MSS SP 97(3000#) _Size: 6"x2"-Fitting WT on 2" end as per Sch 80 _MoC: ASTM A 350 _Gr.LF2	No.	150				
180	100011897		SOCKOLET,CS,ASTMA350,S80,3000#,12"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 12"x1"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	15				
181	100011901		SOCKOLET,CS,ASTMA350,S80,3000#,8"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 8"x1"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	20				
182	100011903		SOCKOLET,CS,ASTMA350,S80,3000#,8"X1/2" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 8"x1/2"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	15				
183	100011905		SOCKOLET,CS,ASTMA350,S80,3000#,6"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 6"x1"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	30				
184	100011907		SOCKOLET,CS,ASTMA350,S80,3000#,6"X1/2" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 6"x1/2"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	20				
185	100011909		SOCKOLET,CS,ASTMA350,S80,3000#,4"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 4"x1"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	35				
186	100011911		SOCKOLET,CS,ASTMA350,S80,3000#,4"X1/2" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#) _Size: 4"x1/2"-Sch 80 _MoC: ASTM A 350 Gr.LF2	No.	60				
187	100011933		SOCKOLET,CS,ASTMA350,S160,6000#,4"X1" Carbon Steel, Forged, Sockolet, Material as per ASTM A 350, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97 (6000#) _Size: 4"x1"-Sch 160 _MoC: ASTM A 350 _Gr. LF2	No.	10				
188	100011941		CAP,END,CS,WPHY52,BW,SCHSTD,12" Carbon Steel, Seamless, End Cap, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#) _Size: 12"-Fitting WT as per Sch STD (Bevel End WT-6.4 mm) _MoC: MSS SP 75 _Gr. WPHY 52	No.	10				
189	100011942		CAP,END,CS,WPHY52,BW,S40,6" Carbon Steel, Seamless, End Cap, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#) _Size: 6" _Fitting WT as per Sch 40 (Bevel End WT-6.4 mm) _MoC: MSS SP 75 _Gr. WPHY 52	No.	30				
190	100011949		CAP,END,CS,ASTMA420,WPL6,BW,S40,12" Carbon Steel, Seamless, End Cap, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#) _Size: 12"-Fitting WT as per Sch 40 _MoC: ASTM A 420 _Gr.WPL 6	No.	10				
191	100011951		CAP,END,CS,ASTMA420,WPL6,BW,S40,6" Carbon Steel, Seamless, End Cap, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#) _Size: 6" _Fitting WT as per Sch 40 _MoC: ASTM A 420 _Gr.WPL 6	No.	10				
192	100011952		CAP,END,CS,ASTMA420,WPL6,BW,S80,4" Carbon Steel, Seamless, End Cap, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#) _Size: 4" _Fitting WT as per Sch 80 _MoC: ASTM A 420 _Gr.WPL 6	No.	15				
193	100011954		CAP,END,CS,ASTMA420,WPL6,BW,S80,2" Carbon Steel, Seamless, End Cap, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#) _Size: 2" _Fitting WT as per Sch 80 _MoC: ASTM A 420 _Gr.WPL 6	No.	10				
194	100011960		CAP,END,CS,WPHY65,BW,S60,8" Carbon Steel, Seamless, End Cap, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#) _Size: 8" _Fitting WT as per Sch 60 (Bevel End WT-9.5 mm) _MoC: MSS SP 75 _Gr.WPHY 65	No.	10				
195	100011963		CAP,END,CS,ASTMA420,WPL6,BW,S80,6" Carbon Steel, Seamless, End Cap, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#) _Size:6" _Fitting WT as per Sch 80 _MoC: ASTM A 420 _Gr.WPL 6	No.	10				
196	100011970		RED,CON,CS,WPHY52,BW,SCH.STD,12"X6" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9 (150#/300#) _Size: 12"x6"-Fitting WT as per 12"/Sch STD (Bevel End WT-6.4 mm) X 6"/Sch 40 (Bevel End WT-6.4 mm) _MoC: MSS SP 75 _Gr. WPHY 52	No.	15				
197	100011971		RED,CON,CS,WPHY52,BW,S40,6"X4" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASMEB16.9(150#/300#/600 #) _Size: 6"x4"-Fitting WT as per 6"/Sch 40 (Bevel End WT-6.4 mm) X 4"/Sch 80 (Bevel End WT-6.4 mm) _MoC: MSS SP 75 _Gr. WPHY 52	No.	20				

SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
198	100011972		RED,CON,CS,ASTMA420,WPL6,BW,S40,12"x8" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 12"x8"-Fitting WT as per 12"/Sch 40 x 8"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
199	100011973		RED,CON,CS,ASTMA420,WPL6,BW,S40,12"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 12"x6"-Fitting WT as per 12"/Sch 40 x 6"/Sch 40_MoC: ASTM A 420_Gr.WPL 6	No.	10				
200	100011974		RED,CON,CS,ASTMA420,WPL6,BW,S40,8"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 8"x6"-Fitting WT as per 8"/Sch 40 x 6"/Sch 40_MoC: ASTM A 420_Gr.WPL 6	No.	15				
201	100011975		RED,CON,CS,ASTMA420,WPL6,BW,S40,8"x4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 8"x4"-Fitting WT as per 8"/Sch 40 x 4"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	20				
202	100011976		RED,CON,CS,ASTMA420,WPL6,BW,S40,6"x3" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 6"x3"-Fitting WT as per 6"/Sch 40 x 3"/Sch 40_MoC: ASTM A 420_Gr.WPL 6	No.	20				
203	100011977		RED,CON,CS,ASTMA420,WPL6,BW,S80,4"x3" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#)_Size: 4"x3"-Fitting WT as per 4"/Sch 80 x 3"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	20				
204	100011978		RED,CON,CS,ASTMA420,WPL6,BW,S40,3"x2" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420 Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#)_Size: 3"x2"-Fitting WT as per 3"/Sch 40 x 2"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	15				
205	100011979		RED,CON,CS,ASTMA420,WPL6,BW,S80,2"x1" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(300#/600#)_Size: 2"x1"-Fitting WT as per 2"/Sch 80 x 1"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
206	100011982		RED,CON,CS,WPHY65,BW,S60,8"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per MSS SP 75, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9(600#)_Size: 8"x6" _Fitting WT as per 8"/Sch 60 (Bevel End WT-8"/9.5 mm) X 6"/Sch 40 (Bevel End WT-6.4 mm)_ MoC: MSS SP 75_Gr.WPHY 52	No.	10				
207	100011985		RED,CON,CS,ASTMA420,WPL6,BW,S80,8"x6" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size: 8"x6"-Fitting WT as per 8"/Sch 80 X 6"/Sch 40_MoC: ASTM A 420_Gr. WPL 6	No.	10				
208	100011987		RED,CON,CS,ASTMA420,WPL6,BW,S80,6"x4" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(600#)_Size: 6"x4"-Fitting WT as per 6"/Sch 80 X 4"/Sch 80_MoC: ASTM A 420_Gr.WPL 6	No.	10				
209	100012215		FLANGE,WNRF,CS,ASTMA105,150#,4" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5 (150#)_SIZE: 4" _WELD NECK SCH 80_MoC: ASTM A 105 (Charpy at 0° C)	No.	55				
210	100012217		FLANGE,WNRF,CS,ASTMA350,LF2,300#,8" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per AS ME B 16.5(300#)_SIZE: 8" _WELD NECK SCH 40_MoC: ASTM A 350 Gr.LF2	No.	25				
211	100012218		FLANGE,WNRF,CS,ASTMA350,LF2,300#,3" Carbon Steel, Forged, Flange, Weld Neck Raised Face (WNRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per AS ME B 16.5(300#)_SIZE: 3" _WELD NECK SCH 40_MoC: ASTM A 350 Gr.LF2	No.	25				
212	100012220		FLANGE,SORF,CS,ASTMA350,LF2,300#,1" Carbon Steel, Forged, Flange, Slip On Raised Face (SORF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300#)_SIZE: 1" _MoC: ASTM A 350 Gr.LF2	No.	15				
213	100012222		FLANGE,SORF,CS,ASTMA350,LF2,300#,1/2" Carbon Steel, Forged, Flange, Slip On Raised Face (SORF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300#)_SIZE: 1/2" _MoC: ASTM A 350 Gr.LF2	No.	10				
214	100012352		FLANGE,BLRF,CS,ASTMA105,150#,1/2" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 1/2" _MoC: ASTM A 105 (Charpy at 0° C)	No.	10				
215	100012353		FLANGE,BLRF,CS,ASTMA350,LF2,300#,12" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 12" _MoC: ASTM A 350_Gr.LF2	No.	10				
216	100012354		FLANGE,BLRF,CS,ASTMA350,LF2,300#,8" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 8" _MoC: ASTM A 350_Gr.LF2	No.	10				
217	100012355		FLANGE,BLRF,CS,ASTMA350,LF2,300#,4" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 4" _MoC: ASTM A 350_Gr.LF2	No.	30				
218	100012358		FLANGE,BLRF,CS,ASTMA350,LF2,300#,1" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 1" _MoC: ASTM A 350_Gr.LF2	No.	15				
219	100012360		FLANGE,BLRF,CS,ASTMA350,LF2,300#,1/2" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(300 #)_SIZE: 1/2" _MoC: ASTM A 350_Gr.LF2	No.	10				
220	100012361		FLANGE,BLRF,CS,ASTMA350,LF2,600#,12" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 350, Dimensions as per ASME B 16.5(600 #)_SIZE: 12" _MoC: ASTM A 350_Gr.LF2	No.	10				
221	100012737		TEE,RED,CS,ASTMA234,WPB,BW,6.4MM,8"x4" Carbon Steel, Seamless, Un Equal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (300#)_Size: 8"x8"x4" _Fitting WT 6.4 mm_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	10				

SECTION III - SCHEDULE OF RATES ( SOR)  
RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.  
E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
222	100012786		ELBOW,90°,CS,ASTMA420,1.5D,BW,S40,10" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Materialas per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B 16.9 (300#)_Size: 10"_Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL6	No.	10				
223	100013740		RED,CON,CS,ASTMA420,BW,S40xS40,12"X10" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 420, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9_Size: 18"x12" (300#)_Fitting WT as per 12"/Sch 40 x 10"/Sch 40_MoC: ASTM A 420_Gr. WPL6	No.	10				
224	100012788		TEE,EQUAL,CS,ASTMA420,WPL6,BW,S40,10" Carbon Steel, Seamless, Equal Tee, Material as per ASTM A 420,Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9(300#)_Size:10"x10"x10"_Fitting WT as per Sch 40_MoC: ASTM A 420_Gr.WPL 6	No.	10				
225	100012846		FLANGE,BLRF,SPECTCL,CS,ASTMA105,150#,4" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 105, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 150#_SIZE: 4"_MOC: ASTM A 105 (Charpy at 0 Deg C)	No.	10				
226	100012847		FLANGE,BLRF,SPECTCL,CS,ASTMA105,150#,6" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 105, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 150#_SIZE: 6"_MOC: ASTM A 105 (Charpy at 0 Deg C)	No.	10				
227	100013110		FLANGE,BLRF,SPECTCL,CS,ASTMA350,300#,12" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 350, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 300#_SIZE: 12"_MOC: ASTM A 350_Gr.LF2	No.	10				
228	100013150		FLANGE,BLRF,SPECTCL,CS,ASTMA350,300#,4" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 350, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 300#_SIZE: 4"_MOC: ASTM A 350_Gr.LF2	No.	10				
229	100013168		BEND,15°,CS,WPHY52,3D,BW,S40,6" Carbon Steel, Forged, Seamless, 15° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 6"-Fitting WT as per Sch 40 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	45				
230	100013169		BEND,15°,CS,WPHY52,3D,BW,S80,4" Carbon Steel, Forged, Seamless, 15° Bend, Long Radius (3D), Material as per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9(150#/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	10				
231	100013180		FLANGE,BLRF,SPECTCL,CS,ASTMA350,300#,8" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 350, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 300#_SIZE: 8"_MOC: ASTM A 350_Gr.LF2	No.	10				
232	100013181		FLANGE,BLRF,SPECTCL,CS,ASTMA350,300#,6" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 350, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 300#_SIZE: 6"_MOC: ASTM A 350_Gr.LF2	No.	10				
233	100013183		FLANGE,BLRF,SPECTCL,CS,ASTMA350,300#,2" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 350, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 300#_SIZE: 2"_MOC: ASTM A 350_Gr.LF2	No.	10				
234	100013184		FLANGE,BLRF,SPECTCL,CS,ASTMA105,150#,8" Carbon Steel, Forged, Spectacle Blind, Raised Face (RF), Serration (125-250 AARh), Material as per ASTM A 105, Dimensions as per ASME B 16.48, Compatible with flange dimensions as per ASME B 16.5, 150#_SIZE: 8"_MOC: ASTM A 105 (Charpy at 0° C)	No.	10				
235	100013190		ELBOW,15°,CS,WPHY52,1.5D,BW,S80,4" Carbon Steel, Seamless, 15° Elbow, Long Radius (1.5D), Materialas per MSS SP 75, Butt Weld as per ASME B16.25, Dimensions as per ASMEB16.9(150 #/300#/600#)_Size: 4"-Fitting WT as per Sch 80 (Bevel End WT-6.4 mm)_MoC: MSS SP 75_Gr. WPHY 52	No.	15				
236	100013213		FLANGE,BLFF,SPECTCL,CS,ASTMA105,150#,2" Spectacle Blind 2",150# Flat Face and dimensions as per ASME B 16.48 with Serration of 125-250 AARh. The same shall be compatible with RF Flanges as per ASME B 16.5. Material of construction as per ASTM A 105 with Charpy at 0 deg C.	No.	10				
237	100013214		FLANGE,BLFF,SPECTCL,CS,ASTMA105,150#,3" Spectacle Blind 3",150# Flat Face and dimensions as per ASME B 16.48 with Serration of 125-250 AARh. The same shall be compatible with RF Flanges as per ASME B 16.5. Material of construction as per ASTM A 105 with Charpy at 0 deg C.	No.	10				
238	100008391		ELBOW,90°,CS,ASTMA234,WPB,1.5D,BW,S40,3" Carbon Steel, Seamless, 90° Elbow , Long Radius (1.5D), Material as per ASTM A 234, Butt Weld as per ASME B16.25, Dimensions as per ASME B16.9 (150#)_Size: 3" NB_Fitting WT as per Sch 40_MoC: ASTM A 234_Gr.WPB (Charpy at 0° C)	No.	15				
239	100011890		SOCKOLET,CS,ASTMA105,S80,3000#,2"x1/2" Carbon Steel, Forged, Sockolet, Material as per ASTM A 105, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#)_Size: 2"x1/2"-Sch 80-_MoC: ASTM A 105_Charpay at 0° C	No.	10				
240	100009203		SOCKOLET,CS,ASTMA105,S80,3000#,3"x1/2" Carbon Steel, Forged, Sockolet, Material as per ASTM A 105, Socket Weld as per ASME B16.11, Dimensions as per MSS SP 97(3000#)_Size: 3"x1/2"-Sch 80-_MoC: ASTM A 105_Charpay at 0° C	No.	10				
241	100013215		FLANGE,BLFF,SPECTCL,CS,ASTMA105,150#,4" Spectacle Blind 4",150# Flat Face and dimensions as per ASME B 16.48 with Serration of 125-250 AARh. The same shall be compatible with RF Flanges as per ASME B 16.5. Material of construction as per ASTM A 105 with Charpy at 0 deg C.	No.	10				
242	100013216		FLANGE,BLFF,SPECTCL,CS,ASTMA105,150#,6" Spectacle Blind 6",150# Flat Face and dimensions as per ASME B 16.48 with Serration of 125-250 AARh. The same shall be compatible with RF Flanges as per ASME B 16.5. Material of construction as per ASTM A 105 with Charpy at 0 deg C.	No.	10				



SECTION III - SCHEDULE OF RATES ( SOR)

RATE CONTRACT FOR SUPPLY OF MSCS FITTINGS ACROSS GGL.

E-TENDER- 155008

A	B	C	D	E	F	G	H	I	J
Sr. No.	SAP Code	HSN/SAC CODE	Description	UoM	Total Qty	Unit Rate excluding GST (Rs.)	GST (%)	Unit Rate with GST (Rs.) G+(GxH)	Total Amount with GST (Rs.) F x I
243	100013741		TEE,RED,CS,ASTMA234,BW,S40xS80,10"X4" Carbon Steel, Seamless, Unequal Tee, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B 16.9 (150#)_Size: 10"x4" _ Fitting WT as per 10"/Sch 40 x 4"/Sch 80_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
244	100008568		FLANGE,BLRF,CS,ASTMA105,150#,1" Carbon Steel, Forged, Blind Flange, Raised Face (BLRF), Serration 125-250 AARh, Material as per ASTM A 105, Dimensions as per ASME B 16.5(150 #)_SIZE: 1" _ MoC: ASTM A 105 (Charpy at 0° C)	No.	35				
245	100008411		RED,CON,CS,ASTMA234,WPB,BW,S40,10"X8" Carbon Steel, Seamless, Concentric Reducer, Material as per ASTM A 234, Butt Weld as per ASME B 16.25, Dimensions as per ASME B16.9 (150#)_Size: 10"x8" _ Fitting WT as per 10"/Sch 40 x 8"/Sch 40_MoC: ASTM A 234_Gr. WPB (Charpy at 0° C)	No.	10				
Notes - (1) Total five (05) SORs have been prepared due to size constraint of the tendering portal. Each SOR is mandatory and also all line items of each SOR is mandatory to quote failing to which bid shall be rejected on entirety.									
(2) Commercial evaluation shall be done based on entire Tender basis i.e. Sum total of 5 SORs.									
(3) Rates quoted by bidder shall be inclusive of Packing and Forwarding, Loading and Unloading Charges, Freight, Transit Insurance. Appointment of Third Party Inspection shall be in the scope of GGL. Bidder shall provide intimation to GGL for Third Party Inspection at least 10 days in advance.									
(4)Quantity mentioned in each SOR is indicative quantity for 2 years. Separate Call Out order shall be placed based on actual requirement during the year and payment shall be made based on actual quantity supplied against Call Out order.									