




**BHARAT HEAVY ELECTRICALS LIMITED  
TIRUCHIRAPPALLI - 620 014**

**TECHNICAL DELIVERY CONDITIONS**

TDC : TCI:SSTUBE/ REV 00

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**SPECIFICATION FOR  
STAINLESS STEEL TUBE**

REV. NO.	DATE	DESCRIPTION	PREPARED	REVIEWED	APPROVED
0	09-10-2015	Initial Release			

CL NO.	CHARACTERISTICS	REQUIREMENT	VENDOR COMPLIANCE (Refer Note:1)
1	Application	To supply air to SADC power cylinder and to other instruments requiring instrument air.	
2	Medium	Instrument Air	
3	Reference	Stainless Steel Tube - ASTM - A213	
4	Size	1/4" OD, 3/8" OD, 1/2" OD, 3/4" OD, 1" OD and 2" OD,	
5	Thickness	18 SWG	
6	Material	SS tube material shall be SA213 TP316	
7	Type	Seamless Ferritic Stainless Steel and Austenitic Stainless steel tube	
8	Properties	The tube shall be suitable for bending and capable of being flared by Hardened and Tapered steel pin. The expanded tube shall show no cracking or rupture.	
9	Working Pressure	5 -7 kg/cm <sup>2</sup> (g)	
10	Test Pressure	Not less than 10 kg/sq.cm(g) of air while tube is immersed in water.	
11	Surrounding Temperature	260°C	
12	Inspection and Testing	Vendor QP	

**NOTE:**

1. In Vendor compliance' column Vendor to indicate 'YES', 'NO' or •NOT APPLICABLE'