

PSGSG/2013-14/023-2	Product specifications for Expansion Joints with Bellows	Drawing No.: RDDG43506191082 Date: 08.06.2017
---------------------	---	---

S. No.	Feature	Description	Vendor Compliance(Y/N)
1.	Purpose	Expansion joint with bellows for SF6 Gas Insulated Switchgear.	
2.	Item Description	Expansion joint with Bellows for Compact 245 kV Busduct.	
3	Drawing No.	RDDG 435 0519 1082 RDDG 435 0519 1021	
4.	Quantity	2 Nos.	
5.	Spares and Services	All the Requisite Spares and necessary service will be provided.	
6.	Mounting Arrangements	Detailed Mounting possible arrangements and angle of mounting shall be provided.	
7.	Factory Tests	Detailed type test reports shall be furnished with technical offer. All routine tests have to be carried out on the equipment being offered and test reports to be submitted along with the supply.	
8.	Operating Conditions	A) Temperature Min.: -50 °C Max: 50 °C B) Operating Pressure: 6.5 bar	
9.	Testing Conditions	A) Test Pressure: 15 Bar(for 15 Min.) B) Test Medium: Air/Liquid	
10.	Testing	Following certificates shall be furnished for acceptance of the component: 1 Material certificate, 2 Material test certificate, 3 Stage wise DP / X-ray tests, 4 Pressure withstand test report, 5 Electro-polishing schedule, 6.Axial Traverse, 7.Angular Rotation, 8.Lateral Offset, 9.Dimension test report, A certified copy of above documents shall be sent along with the delivery note	
11.	Testing Requirements	Components / fittings required for all the test shall be arranged by supplier only.	
12.	Travel & Cycles	A) Axial Traverse: Expansion: 30 mm(min.) Compression: 100 mm(min.) B) Angular Rotation: 10 deg.(min.) C) Lateral Offset: 10 mm(min.)	

PSGSG 2013-14/0012	Signature	
--------------------	-----------	--

PSGSG/2013-14/023-2	Product specifications for Expansion Joints with Bellows	Drawing No.: RDDG43506191082 Date: 08.06.2017
---------------------	---	---

13.	Bellows Height	Bellows height shall be less than to Flange Diameter preferably.	
14.	Lifting Lugs	Lifting Lugs should be provided at suitable place.	
15.	Material:	Flange: SS-304L Bellows: SS-304L Tie Rods: SS-304L Lugs:- SS-304L Gas Stud:- SS-304L Pipe:- SS-304L	
16.	Thickness of pipe:	As Per Drawing	
17.	Thickness of Bellows:	Should be such that fulfill above requirements.	
18.	Dimensions:	As per Attached Drawing.	
19.	Outside surface	RAL 6032 color should be painted on other surface.	
20.	Warranty	Supplier shall give the warrant of 12 months for any defect.	

PSGSG 2013-14/0012		Signature
--------------------	--	-----------