

S.No.	Description	Units	Particulars		
1	Project Name		-		
2	Quote Number		-		
3	Manufacturer		Wilson Power Solutions Ltd		
4	Applicable Standard		IEC 60076		
5	General Arrangement Dwg		-		
6	Transformer Rating	kVA	1600		
7	Rated High Voltage @ No Load	Volts	11000		
8	Rated Low Voltage @ No Load	Volts	415		
9	Minimum Insulation class HV LI	kV	75		
10	Minimum Insulation class HV AC	kV	28		
11	Minimum Insulation class LV LI	kV	- 12		
12	Minimum Insulation class LV AC	kV	3		
13	Line Current LV / HV	Α	2225.99 / 83.98		
14	Insulating Fluid		Mineral Oil		
15	Fans		No		
16	Pumps		No		
17	Type of Cooling		ONAN		
18	Number of Phases		3		
19	Frequency	Hz	50		
20	Vector Group		Dyn11		
	Impedance Voltage (Z)	0.4	· · · · · · · · · · · · · · · · · · ·		
21	Subjected to +/- IEC tolerence limits	%	5.5		
22	Symmetrical Short Circuit Current in LV	kA	38.03		
23	Symmetrical Short Circuit Current in HV Rated Tap	kA	1.44		
24	Core Material		Amorphous		
25	No Load Losses	W	675		
26	Load Losses @ 75°C	W	9170		
27	Losses as per EU Regulation No. 548/2014		Exceeds Tier-2 Requirement		
28	Resistance	%	0.57		
29	Reactance	%	5.47		
30	Positive sequence resistance at principal tap	P. U.	0.0057		
31	Positive sequence reactance at principal tap	P. U.	0.0547		
32	Positive sequence reactance at minimum tap	P. U.	0.0522		
33	Positive sequence reactance at maximum tap	P. U.	0.0572		
34	Zero sequence resistance	P. U.	0.0046		
35	Zero sequence reactance	P. U.	0.0440		
36	Regulation type		DETC		
37	Tapping on HV	%	+7.5,+5.0, +2.5, 0.0, -2.5, -5		
38	Design Ambient Temperature	°C	40		
39	Temp Rise of Top Oil	°C	60		
40	Temp Rise of Winding	°C	65		
41	Altitude	m	<1000		
42	Pollution class		C4H		
43	HV Conductor Material		Aluminium		
44	LV Conductor Material		Aluminium		
45	Paint Finish Colour		Dark Admiralty Grey (BS 632 shade)		
46	Transformer Type		Free Breathing, bolted cover, tank attached cooler bank		
47	HV termination type		Cable Box - 12kV, 3-Pole, (Facing-'E' BS:2562) with 1 take of per phase		



48	LV termination type		Cable box - 1.1kV, 4-Pole, (Facing-'F', BS:2562) with 3 take off per phase & Neutral		
49	Neutral			Located inside - cable box	
50	Harmonis distortion	THD%		<5%	
	•	Accessor	ies		
51	Drain Valve & Sampling Valve			Yes	
52	Radiator Valves		No		
53	Dehydrating Breather		Yes		
54	Pressure Relief Device		No		
55	Oil Temperature Indicator			No	
56	Buchholz unit			No	
57	Winding Temperature Indicator			No	
58	Magnetic Liquid Level Indicator			No	
59	Conservator			No	
60	HV CTs			No	
61	LV CTs			No	
62	Neutral CTs			No	
63	Disconnecting links HV			No	
64	Disconnecting links LV			No	
65	Marshalling box	V		No	
66	Bund			No	
		Overall Dime	nsions		
67	Length	mm		2250	
68	Width	mm		1750	
69	Height	mm		1750	
70	Oil	L		1413	
71	Weight	kg		6080	
	All	Testing Requi	rement	4.0	
72	Routine tests			Yes	
73	Lighting Impulse		10	No	
74	Chopped impules		È	No	
75	Temperture rise test			No	
76	Noise test			No	
77	Dissolved gas analysis			No	
78	Frequancy response analysis			No	
79	CT checks			No	
80	Other information	r information			
	Comments: All losses, dimensions & List of Routine Tests - Per IEC 60076-1. Measurement of winding resistant 2. Measurement of voltage ratio and 3. Measurement of short-circuit imports. Measurement of no-load loss and 5. Dielectric routine tests (IEC 60076 6. Tests on on-load tap-changers, who will also the comment of t	c1:  ce (11.2)  I check of phase displated edance and load loss (current (11.5)  -3)  here appropriate (11.7)  id-immersed transform for tanks for gas-filled puilt-in current transforms	cement (11.3) 11.4) ) ners (tightness t ! transformers irmers		
	Prepared By		Checked & Approved By		
	Pavan Kiran		Suresh V		