

Standards of Performance of RVPN for the year 2015-16

S.No.	Particulars	Level specified by the Commission			Level Achieved by RVPNL during the year 2015-16 (01.04.2015 to 24.02.2016)		
		132 kV	33 kV	11 kV	132 kV	33 kV	11 kV
1	Percentage System Availability	Level-3	98%		99.85	99.66	99.69
2	Voltage Profile	Class	Max.	Min.	Max.	Min.	
		400 kV	420	360	447	360	
		220 kV	245	200	256	181	
		132 kV	145	120	150	110	
		33 kV	34.98	30.03	38	22	
		11 kV	11.66	10.01	12.5	9.8	
3	Voltage Unbalance	Level-3				Max. %	Min%
		220 kV and above	2%		400 kV	2.69	0.41
					220 kV	3.26	0.16
					132 kV	3.78	0.33
		Below 220 kV	3%		33 kV	7.57	0.16
					11 kV	2.96	0.20
4	Voltage Variation Index	Level-3				For above volt.%	For below volt%
		400 kV	1.125%		400 kV	3.10	1.19
		220 kV	1%		220 kV	2.59	1.60
		132 kV	1%		132 kV	1.38	1.78
		66 kV	1%		33 kV	1.75	1.43
					11 kV	1.87	1.28
5	Frequency Variation Index	As per IEGC			0.067 (April, 16 to February, 16)		
6	Loss of Load Expectation (LOLE)	Level-3	2%		Nil		
7	System Average interruption Frequency index (SAIFI)	Level-3	18 per year		132 kV 33 kV 11 kV	7.58 Nos. 9.9 Nos. 3.25 Nos.	
8	System Average Interruption Duration Index (SAIDI)	Level-3	8 hrs./ year		132 kV 33 kV 11 kV	4.36 Hrs/year 6.19 Hrs/year 3.47 Hrs/year	
9	Total Harmonic Distortion (THD)	Level-3			5.16		
		IEC Std. 1000-4-7 or					
		IEEE Std. 519					
		Not to Exceed 1% at EHV Interconnection point					
10	Current Unbalance	400 KV	3%		5.87		
		220 KV			4.15		
		132 KV			7.09		
		33 KV			8.56		
		11 KV			10.17		

3-2-2016  
Superintending Engineer (NPP&RA)  
RVPN Ltd., Jaipur.

Standards of Performance of RVPN for the year 2015-16

S.No.	Particulars	Level specified by the Commission			Level Achieved by RVPNL during the year 2015-16 (25.02.2016 to 31.03.2016)		
		Level-3	98%		132 kV	33 kV	11 kV
1	Percentage System Availability	Level-3	98%		99.77	99.80	99.78
2	Voltage Profile	Class	Max.	Min.	Max.	Min.	
		765 kV	800	728	795	737	
		400 kV	420	380	437	376	
		220 kV	245	198	247	180	
		132 kV	145	122	146	115	
		33 kV	36	30	39	29	
		11 kV	12	10	12.1	10.0	
3	Voltage Unbalance	Level-3				Max. %	Min%
		220 kV and above	2%		400 kV	1.81	0.00
					220 kV	2.47	0.19
					132 kV	3.05	0.33
		Below 220 kV	3%		33 kV	6.67	0.22
					11 kV	2.78	0.20
4	Voltage Variation Index	Level-3				For above volt. %	For below volt%
		400 kV	1.125%		400 kV	3.43	0.88
		220 kV	1%		220 kV	2.64	1.38
		132 kV	1%		132 kV	1.37	1.49
		66 kV	1%		33 kV	1.73	1.33
					11 kV	1.70	1.13
5	Frequency Variation Index	As per IEGC			0.05 (March, 2016)		
6	Loss of Load Expectation (LOLE)	Level-3	2%		Nil		
7	System Average interruption Frequency Index (SAIFI)	Level-3	18 per year	132 kV 33 kV 11 kV	1.27 Nos. 1.05 Nos. 0.38 Nos.		
8	System Average Interruption Duration Index (SAIDI)	Level-3	8 hrs./ year	132 kV 33 kV 11 kV	1.17 Hrs/year 0.73 Hrs/year 0.93 Hrs/year		
9	Total Harmonic Distortion (THD)	Level-3			4.98		
		IEC Std. 1000-4-7 or					
		IEEE Std. 519					
		Not to Exceed 1% at EHV Interconnection point					
10	Current Unbalance	400 kV	3%		5.76		
		220 kV			5.12		
		132 kV			5.72		
		33 kV			6.12		
		11 kV			9.93		

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