

Standards of Performance of RVPN for the year 2016-17

S.No.	Particulars	Level specified by the Commission			Level Achieved by RVPNL during the year 2016-17		
		Level-3	98%		132 kV	33 kV	11 kV
1	Percentage System Availability	Level-3	98%		99.87	99.63	99.73
2	Voltage Profile	Class	Max.	Min.	Max.	Min.	
		765 kV	800	728	809	734	
		400 kV	420	380	446	359	
		220 kV	245	198	255	176.25	
		132 kV	145	122	149	106	
		33 kV	36	30	37.50	28.50	
		11 kV	12	10	12.70	10	
3	Voltage Unbalance	Level-3				Max. %	Min%
		220 kV and above	2%		400 kV	4.61	0.37
					220 kV	6.18	0.06
					132 kV	6.17	0.32
		Below 220 kV	3%		33 kV	7.47	0.25
					11 kV	2.25	0.32
4	Voltage Variation Index	Level-3				For above volt. %	For below volt. %
		400 kV	1.125%		400 kV	2.76	1.15
		220 kV	1%		220 kV	3.59	1.39
		132 kV	1%		132 kV	2.10	1.61
		66 kV	1%		33 kV	2.32	1.24
					11 kV	2.06	0.68
5	Frequency Variation Index	As per IEGC			0.05 (Jan, 2017)		
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	3.86 Nos. 5.30 Nos. 3.11 Nos.		
8	System Average Interruption Duration Index (SAIDI)	Level-3	8 hrs / year	132 kV 33 kV 11 kV	2.42 Hrs/year 3.83 Hrs/year 2.46 Hrs/year		
9	Total Harmonic Distortion (THD)	Level-3			3.13		
		IEC Std. 1000-4-7 or					
		IEEE Std. 519					
		Not to Exceed 1% at EHV Interconnection point					
10	Current Unbalance	400 KV	3%		7.80		
		220 KV		9.29			
		132 KV		4.35			
		33 KV		6.00			
		11 KV		5.90			


 Superintending Engineer (NPP&RA)
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