

### STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2014-15

In pursuance of Sec 59(2) of the Electricity Act 2003, the Standards of Performance achieved by Rajasthan Rajya Vidyut Prasaran Nigam Limited Jaipur, during the year 2014-2015, as compared to various parameters specified in the Regulations are hereby published for General information

S. No	Particulars	Voltage	Level of Performance specified by the Commission		Actual Performance Level attained by RVPN		Inference Inferior/Superior	
1	System Availability	132 kV	98%		99.78%		Superior	
		33 kV	98%		99.66%		Superior	
		11 kV	98%		99.79%		Superior	
2	Voltage Profile		Max.	Min.	Max.	Min.	Max.	Min.
		400 kV	420	360	444	365	Inf.	Sup.
		220 kV	245	200	255	175	Inf.	Inf.
		132 kV	145	120	150	109	Inf.	Inf.
		33 kV	34.98	30.03	37.0	27	Inf.	Inf.
		11 kV	11.66	10.01	13.0	9.2	Inf.	Inf.
3	Voltage Unbalance	400 kV	2.00%		2.00%		Inferior	
		220 kV	2.00%		2.55%		Inferior	
		132 kV	3.00%		2.99%		Superior	
		33 kV	3.00%		4.10%		Inferior	
		11 kV	3.00%		1.84%		Superior	
4	Voltage Variation Index				For Higher Voltage	For Lower Voltage		
		400 kV	±1.125%		3.74	1.69	Inf.	Inf.
		220 kV	±1%		2.60	1.30	Inf.	Inf.
		132 kV	±1%		1.23	1.49	Inf.	Inf.
		33 kV	±1%		1.54	1.37	Inf.	Inf.
		11 kV	±1%		1.39	1.33	Inf.	Inf.
5	Frequency Variation Index	As per IEGC			0.23		-	
6	Loss of Load Expectation (LOLE)		2.00%		Nil		Superior	
7	System Average Interruption Frequency Index (SAIFI)	132 kV	18 Nos/year		7.13 Nos.		Superior	
		33 kV	18 Nos/year		12.85 Nos.		Superior	
		11 kV	18 Nos/year		2.05 Nos.		Superior	
8	System Average Interruption Duration Index (SAIDI)	132 kV	8 Hrs/year		2.91 Hrs.		Superior	
		33 kV	8 Hrs/year		4.57 Hrs.		Superior	
		11 kV	8 Hrs/year		0.92 Hrs.		Superior	
9	Total Harmonic Distortion (THD)	IEC Std. 1000-4-7 or IEEE Std. 519 Not to exceed 1% at EHV interconnected point			3.16		Inferior	
10	Current Unbalance	400 kV	3%		14.05		Inferior	
		220 kV	3%		12.46		Inferior	
		132 kV	3%		6.72		Inferior	
		33 kV	3%		11.84		Inferior	
		11 kV	3%		4.84		Inferior	

Note: (i) The above information is as received from RVPN.

(ii) The Loss of Load Expectation (LOLE) during 2014-15 due to system inadequacy may be treated as NIL.

(iii) The authenticity of figures in respect of voltage profile, voltage un-balance and voltage variation index are based on manual readings of Analogue meters as per intimation received from RVPN.

(G. K. Sharma)  
Secretary