

**STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2006-07**

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 2006-07, 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	Level 2						
		132 kV	97 %	99.81 %	Superior			
		33 kV	97 %	99.73 %	Superior			
		11 kV	97 %	99.74 %	Superior			
2.	Voltage Profile		Max.	Min.	Max.	Min.	Max.	Min.
		400 kV	420	360	453	360	Inf.	Sup.
		220 kV	245	200	259	170	Inf.	Inf.
		132 kV	145	120	150	96	Inf.	Inf.
		33 kV	34.98	30.03	38.5	20.5	Inf.	Inf.
		11 kV	11.66	10.01	12.7	8.4	Inf.	Inf.
3.	Voltage Unbalance	To be achieved during 2007-08.						
		400 kV	2.00 %	0.3 %	Superior			
		220 kV	2.00 %	5.76 %	Inferior			
		132kV	3.00 %	15.8 %	Inferior			
		33kV	3.00 %	14.21 %	Inferior			
		11 kV	3.00 %	7.3 %	Inferior			
4.	Voltage Variation Index	To be achieved during 2007-08.						
		400 kV	± 1.125%	+ 4.77%	- 1.51%	Inf.	Inf.	
		220 kV	± 1%	+ 3.57%	- 1.22%	Inf.	Inf.	
		132kV	± 1%	+ 1.52%	- 2.83%	Inf.	Inf.	
		33kV	± 1%	+ 2.46%	- 2.13%	Inf.	Inf.	
		11 kV	± 1%	+ 2.05%	- 1.77%	Inf.	Inf.	
5.	Frequency Variation Index	To be specified by CEA. As per IEGC 4.6 (b)			6.032	--		

6.	Loss of Load Expectation (LOLE)	Level - 2			
			6 %	0.00 %	Superior
7.	System Average Interruption Frequency Index (SAIFI)	Level - 2			
		132 kV	24 nos./year	1.41 nos.	Superior
		33 kV	24 nos./year	5.48 nos.	Superior
		11 kV	24 nos./year	3.01 nos.	Superior
8.	System Average Interruption Duration Index (SAIDI)	Level - 2			
		132 kV	10 Hrs./year	0.90 Hrs.	Superior
		33 kV	10 Hrs./year	2.12 Hrs.	Superior
		11 kV	10 Hrs./year	1.38 Hrs.	Superior

Note: - The authenticity of figures in respect of voltage profile, voltage un-balance and voltage variation index are based on manual readings of Analogue meters.

(R.K. Sharma)  
Secretary

