

**STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2007-08**

In pursuance of Sec 59(2) of the Electricity Act 2003, the Standards of Performance achieved by Rajasthan Rajya Vidut Prasaran Nigam Limited Jaipur, during the year 2007-2008, 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 3						
		132 kV	98%		99.84%		Superior	
		33 kV	98%		99.87%		Superior	
		11 kV	98%		99.84%		Superior	
2	Voltage Profile		Max.	Min.	Max.	Min.	Max.	Min.
		400 kV	420	360	448	341	Inf.	Inf.
		220 kV	245	200	270	138	Inf.	Inf.
		132 kV	145	120	154	94	Inf.	Inf.
		33 kV	34.98	30.03	38.9	20	Inf.	Inf.
		11 kV	11.66	10.01	12.8	8.6	Inf.	Inf.
3	Voltage Unbalance	Level 3						
		400 kV	2.00%		2.70%		Inferior	
		220 kV	2.00%		7.28%		Inferior	
		132 kV	3.00%		15.80%		Inferior	
		33 kV	3.00%		8.82%		Inferior	
	11 kV	3.00%		7.69%		Inferior		
4	Voltage Variation Index	Level 3						
					For higher voltage		For lower voltage	
		400 kV	±1.125%		+3.06%	+1.42%	Inf.	Inf.
		220 kV	±1%		+3.20%	+1.83%	Inf.	Inf.
		132 kV	±1%		+1.52%	+3.21%	Inf.	Inf.
	33 kV	±1%		+2.60%	+2.37%	Inf.	Inf.	
	11 kV	±1%		+2.12%	+2.20%	Inf.	Inf.	
5	Frequency Variation Index	To be specified by CEA As per IEGC 4.6(b)			4.52		----	
6	Loss of Load Expectation (LOLE)	Level 3	2%		0.00%		Superior	
7	System Average Interruption Frequency Index (SAIFI)	Level 3						
		132 kV	18 nos./year		1.13 nos.		Superior	
		33 kV	18 nos./year		3.43 nos.		Superior	
		11 kV	18 nos./year		1.85 nos.		Superior	
8	System Average Interruption Duration Index (SAIDI)	Level 3						
		132 kV	8 Hrs./year		0.66 Hrs.		Superior	
		33 kV	8 Hrs./year		2.61 Hrs.		Superior	
		11 kV	8 Hrs./year		0.96 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

