

STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2011-12

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 2011-2012, 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%		99.86%		Superior	
		33 kV	98%		99.86%		Superior	
		11 kV	98%		99.82%		Superior	
2	Voltage Profile		Max.	Min.	Max.	Min.	Max.	Min.
		400 kV	420	360	442	379	Inf.	Sup.
		220 kV	245	200	256	155	Inf.	Inf.
		132 kV	145	120	157	98	Inf.	Inf.
		33 kV	34.98	30.03	38	25	Inf.	Inf.
		11 kV	11.66	10.01	12.3	7.8.	Inf.	Inf.
3	Voltage Unbalance	Level 3						
		400 kV	2.00%		2.94%		Inferior	
		220 kV	2.00%		4.78%		Inferior	
		132 kV	3.00%		4.21%		Inferior	
		33 kV	3.00%		5.17%		Inferior	
		11 kV	3.00%		3.37%		Inferior	
4	Voltage Variation Index	Level 3			For Higher Voltage	For Lower Voltage		
		400 kV	±1.125%		3.35	0.65	Inf.	Inf.
		220 kV	±1%		3.27	1.92	Inf.	Inf.
		132 kV	±1%		1.59	2.26	Inf.	Inf.
		33 kV	±1%		1.72	1.92	Inf.	Inf.
		11 kV	±1%		1.50	1.48	Inf.	Inf.
5	Frequency Variation Index	To be specified by CEA As per IEGC 4.6(b)			0.70		---	
6	Loss of Load Expectation (LOLE)	Level 3	2.00%		0.00%		Superior	
7	System Average Interruption Frequency Index (SAIFI)	Level 3						
		132 kV	18 Nos/year		1.86 Nos.		Superior	
		33 kV	18 Nos/year		2.83 Nos.		Superior	
		11 kV	18 Nos/year		3.40 Nos.		Superior	
8	System Average Interruption Duration Index (SAIDI)	Level 3						
		132 kV	8 Hrs/year		1.66 Hrs.		Superior	
		33 kV	8 Hrs/year		1.87 Hrs.		Superior	
		11 kV	8 Hrs/year		1.14 Hrs.		Superior	
9	Total Harmonic Distortion (THD)	Level - 3			4.70		Inferior	
		IEC Std. 1000-4-7 or IEEE Std. 519 Not to exceed 1% at EHV interconnected point						
10	Current Unbalance	400 kV	3%	13.09		Inferior		
		220 kV	3%	12.24		Inferior		
		132 kV	3%	17.44		Inferior		
		33 kV	3%	16.94		Inferior		
		11 kV	3%	14.94		Inferior		

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.

(G. K. Sharma)
Secretary

