

**Rajasthan Electricity Regulatory Commission**

Vidyut Viniyamak Bhawan, Near State Motor Garage, Sahkar Marg, JAIPUR -302001

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RERC/Secy/Director(Tech-II)/DD(Tech.)/F. DS (T).23 /D- 594 Dated: 31/8/2019

The Chairman & Managing Director,  
Rajasthan Rajya Vidyut Prasaran Nigam Limited,  
Vidyut Bhawan, Jyoti Nagar,  
Jaipur.


**Sub: Standard of Performance (SoP) achieved by RVPN during FY 2018-19.**  
**Ref: Letter No. RVPN/SE (NPP&RA)/XEN-2(NPP&RA)/F.361/D.231 dated 04.06.2019.**

Sir,

The Standards of Performance achieved during FY 2018-19 as intimated by you vide above referred letter, have been posted on the website of the Commission and copy of the same is enclosed herewith, for publication/ posting on RVPN's website also.

Encl: As above.

Yours faithfully,

  
(Tarun Mathur)  
Director (Tech-II)

o/c

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Standards of Performance of RVPNL for the year 2018-19 GOR-T-65

S.No.	Particulars	Level specified by the commission			Level Achieved by RVPNL during the year 2018-19		
1	Percentage Availability System	Level-3	98%		132 kV	33 kV	11 kV
					99.9	99.82	99.86
2	Voltage Profile	Class	Max.	Min.	Max.	Min.	
		765 kV	800	728	805	745	
		400 kV	420	380	437	361	
		220 kV	245	198	251	182	
		132 kV	145	122	150	107	
		33 kV	36	30	37	28	
		11 kV	12	10	12.10	10.02	
3	Voltage Unbalance	Level-3				Max. %	Min%
		220 kV and above	2%		400 kV	4.60	0.01
					220 kV	3.45	0.12
		Below 220 kV	3%		132 kV	2.94	0.04
					33 kV	2.80	0.03
					11 kV	3.00	0.13
4	Voltage Variation Index	Level-3				For above volt. %	For below volt. %
		400 kV	1.125%		400 kV	2.90	0.80
		220 kV	1%		220 kV	2.76	1.27
		132 kV	1%		132 kV	1.44	0.70
		66 kV	1%		33 kV	1.22	0.61
					11 kV	1.11	0.56
5	Frequency Variation Index	As per IEGC			0.05		
6	Loss of Load Expectation (LOLE)	Level-3	2%		NIL		
7	System Average Interruption Frequency index (SAIFI)	Level-3	18 per year		132 kV	6.86	
					33 kV	7.67	
					11 kV	1.40	
8	System Average Interruption Duration Index (SAIDI)	Level-3	8 hrs./ year		132 kV	4.79	
					33 kV	3.91	
					11 kV	0.71	
9	Total Harmonic Distortion (THD)	Level-3			400KV	8.37	
		IEC Std. 1000-4-7 or IEEE Std. 519			220 KV		
		Not to Exceed 1% at EHV Interconnection point			132 KV		
					33 KV		
					11 KV		
10	Current Unbalance	400 kV	3%		7.37		
		220 kV			8.81		
		132 kV			6.54		
		33 kV			6.57		
		11 kV			9.12		

*hms*  
Superintending Engineer (SPT&S)  
RRVNL, JAIPUR