



RAJASTHAN ELECTRICITY REGULATORY COMMISSION

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'Vidyut Viniyamak Bhawan', Near State Motor Garage, Sahakar Marg, Jaipur
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RERC/Secy./Dir (T-II)/F / D 535

Dt. 28 July, 2021

Direct

The Chairman & Managing Director,

Rajasthan Vidyut Prasaran Nigam Ltd., 2:19 JUL 2021

Vidyut Bhawan, Jyoti Nagar,

Jaipur-302005

Dir (Tech) RERC
RERC No. 76
30/7/21
H.S. MODIP No. 977
29/07/2021
CE (NPP&RA)
SE (Prot. Engg.)
30/7/21

Sub: Standard of Performance (SoP) achieved by RVPN during FY 2020-21

Ref: Letter no. RVPN/ SE(NPP&RA)/XEN-2 (NPP-RA)/ F. 37/ D.265 dated 16.06.2021 from SE(NPP&RA).

Sir,

The Standard of Performance (SoP) achieved by RVPN during FY 2020-21 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

(Signature) 28/7

(Tarun Mathur)
Director (Tech-II)

SE (NPP&RA)
CE (NPP & RA)
RR NO. 479 Dt. 02/08/21

S.E. (NPP&RA)
R.R. No. 830
Date 2/8/21

XEN (NPP-2)
E2
2/8/21

XEN-2 (NPP&RA)
Vici
2/8/21

Standards of Performance of RVPN for the year 2020 - 21 GOR - T - 05

S. No.	Particulars	Level Specified by the Commission			Level achieved by the RVPN during the Year 2020 - 21	
1	Percentage System Availability	Level 3	98%	*99.695%		
	*In compliance to regulation no. 62 "Norms of Operation" of RERC (Terms and Conditions for determination of Transmission Tariff), Regulations, 2019 Transmission System Availability has been Certified by SLDC vide their letter no. 258 dated 25.05.2021					
2	Voltage Profile	Class	Max	Min	Max.	Min.
		765 kV	800	728	809	744
		400 kV	420	380	435	352
		220 kV	245	198	251	169
		132 kV	145	122	151	88
		33 kV	36	30	36	25
	11 kV	12	10	12	10	
3	Voltage Unbalance	Level 3				
		220 kV and Above	2%		Max	Min
				765 KV	1.324	0.407
				400 KV	1.66	0.01
		Below 220 kV	3%			
				220 KV	1.95	0.01
132 KV	2.41			0.02		
4	Voltage Variation Index	Level 3			Max	Min
		765 KV		765 KV	3.086	0.466
		400 kV	1.125%	400 KV	2.54	0.64
		220 kV	1.00%	220 KV	2.57	0.65
		132 kV	1.00%	132 KV	1.34	0.46
		33 kV	1.00%	33 kV	1.12	0.33
	11 KV		11 kV	0.86	0.31	
5	Frequency Variation Index	As Per IEC			0.03	
6	Loss of Load Expectation	Level 3	2%	NIL		
7	System Average Interruption Frequency Index (SAIFI)	Level 3	18 per year	765 kV	0	
				400 KV	0.23	
				220 KV	0.88	
				132 kV	3.29	
				33 KV	3.13	
				11 kV	2.47	
8	System Average Interruption Duration Index (SAIDI)	Level 3	8 Hrs. /year	765 kV	0	
				400 KV	0.177	
				220 KV	0.599	
				132 kV	2.230	
				33 KV	1.426	
				11 kV	1.583	
9	Total Harmonic Distortion	Level 3		765 KV	1.22	
				400 KV		
		IEC std. 1000-4-7 or		220 KV		
		IEEE std. 519		132 kV		
		Not to exceed 1 % at EHV interconnection point		33 KV		
				11 kV		
10	Current Unbalance	765 KV	3%	2.41		
		400 KV		2.31		
		220 kV		1.83		
		132 kV		2.26		
		33 kV		2.14		
		11 kV		3.13		

Signature