

18<>

PS/CMD/TA No. 6158

Dated 18/08/2020

ACE(NPP&RA)

18 AUG 2020



# Rajasthan Electricity Regulatory Commission

Vidyut Viniyamak Bhawan, Near State Motor Garage, Sahkar Marg, JAIPUR -302001  
Phone: 0141-2740067, Fax: 0141-2741018,  
Website: [www.nerc.rajasthan.gov.in](http://www.nerc.rajasthan.gov.in) E-mail: [nercjpr@yahoo.co.in](mailto:nercjpr@yahoo.co.in)

RERC/Secy/Director(Tech-II)/DD(Tech.)/F. DS (T).23 /D- 658 Dated: 17/8/2020

✓ 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 2019-20.  
Ref: Letter No. RVPN/SE (NPP&RA)/XEN-2(NPP&RA)/F.361/D.307 dated 14.07.2020.

Sir,

The Standards of Performance achieved during FY 2019-20 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,

XEN(NPP-2)

SE(NPP&RA)

(Taru Mathur)  
Director (Tech-II)

CE(NPP & RA)  
No. 1148  
Date: 24/08/2020

S.E. (NPP&RA)  
R.R. No. 1148  
Date: 24/8/2020

24-8-2020

AEn-2(NPP&RA)  
25/8/2020

## Standards of Performance of RVPN for the year 2019 - 20 GOR - T - 05

S. No.	Particulars	Level Specified by the Commission		Level achieved by the RVPN during the Year 2019 - 20		
1	Percentage System Availability	Level 3	98%	*99.77%		
*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 Certified by SLDC vide their letter no. 250 dated 08.06.2020						
2	Voltage Profile	Class	Max	Min	Max.	Min.
		765 kV	800	728	806	750
		400 kV	420	380	439	361
		220 kV	245	198	258	172
		132 kV	145	122	152	95
		33 kV	36	30	36	27
		11 kV	12	10	11.9	10
3	Voltage Unbalance	Level 3				
		220 kV and Above	2%		Max	Min
				400KV	3.10	0.01
		Below 220 kV	3%	220KV	3.32	0.03
				132KV	3.19	0.02
				33 kV	3.13	0.01
		11 kV	3.72	0.01		
4	Voltage Variation Index	Level 3			For above Voltage %	For below Voltage %
		400 kV	1.125%	400KV	3.03	0.93
		220 kV	1.00%	220KV	2.97	1.42
		132 kV	1.00%	132KV	1.34	0.88
		33 kV	1.00%	33 kV	1.23	0.65
		11 KV		11 kV	1.05	0.63
5	Frequency Variation Index	As Per IEC		0.04		
6	Loss of voltage Expectation	Level 3	2%	NIL		
7	System Average Interruption Frequency Index (SAIFI)	Level 3	18 per year	132 kV	10.63	
				33 kV	10.07	
				11 kV	2.04	
8	System Average Interruption Duration Index (SAIDI)	Level 3	8 Hrs. /year	132 kV	4.34	
				33 KV	4.21	
				11 kV	1.58	
9	Total Harmonic Distortion	Level 3		400 KV	5.10	
		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	400 KV	3%	7.20		
		220 kV		5.32		
		132 kV		4.74		
		33 kV		5.72		
		11 kV		7.56		

Signature