

Standards of Performance of RVPN for the year 2004-05

S. No.	Particulars	Level specified by the Commission			Level Achieved by		
					RRVPNL during 2004-05		
					33 kV	11 KV	
1.	System Availability	Level -3	98%		99.585	99.31	
2.	Voltage Profile	Class	Max.	Min.	Max.	Min.	
		400 kV	420	360	434	370	
		220 kV	245	200	250	159	
		132 kV	145	120	149	90	
		66 kV	72.6	59.4	--	--	
		33 kV	34.98	30.03	39	23.6	
		11 kV	11.66	10.01	12.9	8.3	
3.	Voltage Unbalance	Level -3					
		220 kV and above	2%		400 kV	Nil	
					220 kV	9.5	
		Below 220 kV	3%		132 kV	9.8	
					33 kV	10.51	
					11 kV	9.23	
4.	Voltage Variation Index	Level -3				For higher Voltage	For lower Voltage
		400 kV	1.125%		400 kV	2.215	0.71
		220 kV	1%		220 kV	2.369	2.709
		132 kV	1%		132 kV	1.889	3.08
		66 kV	1%		66 kV	--	--
					33 kV	2.856	2.796
					11 kV	2.924	3.045
5.	Frequency Variation Index	As per IEGC			..		

6.	Loss of Load Expectation (LOLE)	Level –3	2%	\$	
7.	System Average			33 kV	11 kV
	Interruption Frequency Index (SAIFI)	Level –3	18 per year	12.53 Nos.	9.66 Nos.
8.	System Average			33 kV	11 kV
	Interruption Duration Index (SAIDI)	Level –3	8 hrs. / year	8.06 Hrs./ year	6.52 Hrs./ year
9.	Total Harmonic Distortion (THD)	Level –3		..	
		IEC Std. 1000-4-7 or			
		IEEE Std. 519			
		Not to Exceed 1% at EHV Interconnection point.			
10.	Safety Manual	To be published		Draft under finalization	
11.	List of Sub-Station Where current Unbalance noticed.			..	

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.

.. The measurements of these parameters are not being done at any EHV GSS because the required instruments are not available for the measurement of these parameters.

\$ The information is not available and cannot be quantified at present.