

STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2012-13

In pursuance of Sec 59(2) of the Electricity Act 2003, the Standards of Performance achieved by Rajasthan Rajya Vidyut Prasaran Nigam Limited Jaipur, during the year 2012-2013, 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% | 99.75% | Superior | | | |
| | | 33 kV | 98% | 99.59% | Superior | | | |
| | | 11 kV | 98% | 99.45% | Superior | | | |
| 2 | Voltage Profile | | Max. | Min. | Max. | Min. | Max. | Min. |
| | | 400 kV | 420 | 360 | 442.7 | 365 | Inf. | Sup. |
| | | 220 kV | 245 | 200 | 248 | 174 | Inf. | Inf. |
| | | 132 kV | 145 | 120 | 146 | 110 | Inf. | Inf. |
| | | 33 kV | 34.98 | 30.03 | 37 | 28 | Inf. | Inf. |
| | | 11 kV | 11.66 | 10.01 | 12.0 | 9.0 | Inf. | Inf. |
| 3 | Voltage Unbalance | Level 3 | | | | | | |
| | | 400 kV | 2.00% | 1.92% | Superior | | | |
| | | 220 kV | 2.00% | 3.45% | Inferior | | | |
| | | 132 kV | 3.00% | 3.00% | - | | | |
| | | 33 kV | 3.00% | 2.97% | Superior | | | |
| | | 11 kV | 3.00% | 2.68% | Superior | | | |
| 4 | Voltage Variation Index | Level 3 | | | For Higher Voltage | For Lower Voltage | | |
| | | 400 kV | ±1.125% | 3.63 | 1.20 | Inf. | Inf. | |
| | | 220 kV | ±1% | 3.01 | 1.13 | Inf. | Inf. | |
| | | 132 kV | ±1% | 1.15 | 1.29 | Inf. | Inf. | |
| | | 33 kV | ±1% | 1.27 | 1.06 | Inf. | Inf. | |
| | | 11 kV | ±1% | 1.08 | 0.92 | Inf. | Sup. | |
| 5 | Frequency Variation Index | To be specified by CEA As per IEGC 4.6(b) | | | 1.65% | ---- | | |
| 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 | 3.82 Nos. | Superior | | | |
| | | 33 kV | 18 Nos/year | 5.49 Nos. | Superior | | | |
| | | 11 kV | 18 Nos/year | 2.79 Nos. | Superior | | | |
| 8 | System Average Interruption Duration Index (SAIDI) | Level 3 | | | | | | |
| | | 132 kV | 8 Hrs/year | 2.53 Hrs. | Superior | | | |
| | | 33 kV | 8 Hrs/year | 2.76 Hrs. | Superior | | | |
| | | 11 kV | 8 Hrs/year | 3.28 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% | 12.28 | Inferior | | | |
| | | 220 kV | 3% | 10.84 | Inferior | | | |
| | | 132 kV | 3% | 13.01 | Inferior | | | |
| | | 33 kV | 3% | 15.77 | Inferior | | | |
| | | 11 kV | 3% | 14.36 | Inferior | | | |

Note: (i) The above information is as received from RVPN.

(ii) The authenticity of figures in respect of voltage profile, voltage un-balance and voltage variation index are based on manual readings of Analogue meters as per intimation received from RVPN.

(G. K. Sharma)
Secretary

