

### STANDARDS OF PERFORMANCE OF RVPN FOR THE YEAR 2010-11

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 2010-2011, 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%  |       | 99.91%                                    |                   | Superior                    |      |
|       |   | 33 kV                                     | 98%  |       | 99.78%                                    |                   | Superior                    |      |
|       |   | 11 kV                                     | 98%  |       | 99.84%                                    |                   | Superior                    |      |
| 2     | Voltage Profile                                     |   | Max.   | Min.  | Max.                                      | Min.              | Max.                        | Min. |
|       |   | 400 kV                                    | 420  | 360   | 438                                       | 368               | Inf.                        | Sup. |
|       |   | 220 kV                                    | 245  | 200   | 250                                       | 161               | Inf.                        | Inf. |
|       |   | 132 kV                                    | 145  | 120   | 152                                       | 92                | Inf.                        | Inf. |
|       |   | 33 kV                                     | 34.98  | 30.03 | 38  | 22                | Inf.                        | Inf. |
|       |   | 11 kV                                     | 11.66  | 10.01 | 12.3                                      | 9.0               | Inf.                        | Inf. |
| 3     | Voltage Unbalance                                   | Level 3                                   |  |       |   |                   |                             |      |
|       |   | 400 kV                                    | 2.00%  |       | 4.33%                                     |                   | Inferior                    |      |
|       |   | 220 kV                                    | 2.00%  |       | 6.87%                                     |                   | Inferior                    |      |
|       |   | 132 kV                                    | 3.00%  |       | 7.54%                                     |                   | Inferior                    |      |
|       |   | 33 kV                                     | 3.00%  |       | 5.41%                                     |                   | Inferior                    |      |
|       |   | 11 kV                                     | 3.00%  |       | 5.80%                                     |                   | Inferior                    |      |
| 4     | Voltage Variation Index                             | Level 3                                   |  |       | For Higher Voltage                        | For Lower Voltage |                             |      |
|       |   | 400 kV                                    | ±1.125%  |       | 2.36                                      | 1.74              | Inf.                        | Inf. |
|       |   | 220 kV                                    | ±1%  |       | 3.55                                      | 2.79              | Inf.                        | Inf. |
|       |   | 132 kV                                    | ±1%  |       | 1.91                                      | 2.51              | Inf.                        | Inf. |
|       |   | 33 kV                                     | ±1%  |       | 1.38                                      | 2.09              | Inf.                        | Inf. |
|       |   | 11 kV                                     | ±1%  |       | 1.91                                      | 1.56              | Inf.                        | Inf. |
| 5     | Frequency Variation Index                           | To be specified by CEA As per IEGC 4.6(b) |  |       | 0.68                                      |                   | ----                        |      |
| 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                                      |       | 3.39 Nos.                                 |                   | Superior                    |      |
|       |   | 33 kV                                     | 18 Nos/year                                      |       | 4.79 Nos.                                 |                   | Superior                    |      |
|       |   | 11 kV                                     | 18 Nos/year                                      |       | 4.79 Nos.                                 |                   | Superior                    |      |
| 8     | System Average Interruption Duration Index (SAIDI)  | Level 3                                   |  |       |   |                   |                             |      |
|       |   | 132 kV                                    | 8 Hrs/year                                       |       | 1.47 Hrs.                                 |                   | Superior                    |      |
|       |   | 33 kV                                     | 8 Hrs/year                                       |       | 2.36 Hrs.                                 |                   | Superior                    |      |
|       |   | 11 kV                                     | 8 Hrs/year                                       |       | 2.98 Hrs.                                 |                   | Superior                    |      |

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.

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Secretary