

Reliability Index of 11KV DL/Mix Feeders for MPWZ (Excluding Agri Feeders)

For the Period of 1st April 2015 to 29th Feb 2016

| S.No. | Circle | Total No of 11 KV Feeders | Total No of interruptions on the feeders | SAIFI | Total durations of Outages of the feeders (Minutes) | SAIDI | Reliability Index of 11 KV Feeders |
|-----------|--------------|---------------------------------|--|------------|---|-------------|---------------------------------------|
| | | 1 | 2 | 3=2/1 | 4 | 5=4/1 | 6 |
| 1 | AGAR | 66 | 5594 | 85 | 451118 | 6835 | 98.6 |
| 2 | BARWANI | 114 | 12900 | 113 | 1277610 | 11207 | 97.7 |
| 3 | BURHANPUR | 61 | 6218 | 102 | 505773 | 8291 | 98.3 |
| 4 | DEWAS | 210 | 20761 | 99 | 1556952 | 7414 | 98.5 |
| 5 | DHAR | 159 | 17146 | 108 | 1578457 | 9927 | 97.9 |
| 6 | INDORE CITY | 396 | 24019 | 61 | 1171973 | 2960 | 99.4 |
| 7 | INDORE O&M | 220 | 28700 | 130 | 2461637 | 11189 | 97.7 |
| 8 | JHABUA | 154 | 23001 | 149 | 2319247 | 15060 | 96.9 |
| 9 | KHANDWA | 169 | 15174 | 90 | 2002133 | 11847 | 97.5 |
| 10 | KHARGONE | 209 | 27714 | 133 | 2083023 | 9967 | 97.9 |
| 11 | MANDSAUR | 191 | 19967 | 105 | 1130071 | 5917 | 98.8 |
| 12 | NEEMUCH | 126 | 10272 | 82 | 739666 | 5870 | 98.8 |
| 13 | RATLAM | 167 | 21199 | 127 | 1590211 | 9522 | 98.0 |
| 14 | SHAJAPUR | 154 | 23097 | 150 | 2326973 | 15110 | 96.9 |
| 15 | UJJAIN | 273 | 22676 | 83 | 2017500 | 7390 | 98.5 |
| 16 | Total | 2669 | 278438 | 104 | 23212336 | 8697 | 98.2 |

where -

1. SAIFI- System Average Interruption Frequer $\frac{\text{Total number of interruptions on the feeders}}{\text{Total No of 11 KV feeders}}$

2. SAIDI- System Average Interruption Duratioi $\frac{\text{Total Duration of interruptions on the feeders}}{\text{Total No of 11 KV feeders}}$

3. Reliability Index = $\left[\left\{ 1 - \left(\frac{\text{SAIDI}}{365 \times 24 \times 60} \right) \right\} \times 100 \right]$