

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

## RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH APRIL-2023

| Sl. No. | Name of the division under District Head Quarters | Total No. of 11KV Feeders | Total No. of 11KV Feeders affected | Total No of Feeder Interruptions | Outage due to Incoming Supply failure (in Hrs) | Cumulative Outage due to Incoming Supply failure (in Hrs) for FY-24 | Outage at 11KV Level (In Hrs) |                    |                   | Reliability for the Month                      |   |  |  | SAIFI SAIDI  |  |   |   |  |              |             |
|---------|---|---------------------------|------------------------------------|----------------------------------|--|---|-------------------------------|--------------------|-------------------|--|---|--|--|--|--|---|---|--|--------------|-------------|
|         |   |                           |                                    |                                  |  |   | Scheduled Outage              | Unscheduled Outage | Total             | Sum of outage duration of all feeders (in Hrs) | Outage duration Per feeder (in Hrs/Fdr) | Feeder Reliability Index at 11KV feeder level in % | Reliability of supply of Power to consumers in % | Cumulative outage duration of all feeders (in Hrs) for FY-24 | Cumulative Outage duration Per feeder (in Hrs/Fdr) | Cumulative Feeder Reliability Index at 11KV feeder level in % | Cumulative Reliability of supply of Power to consumers in % | Sum of outage duration of all feeders (in Hrs) | SAIFI        | SAIDI       |
| 1       | 2   | 3                         | 4                                  | 4a                               | 5  | 5a  | 6                             | 7                  | 8=6+7             | 9=5+8  | 10=9/3                                  | 11*  | 12**   | 13#  | 14=13/3#   | 15#   | 16#   | 17=9   | 18=(4a/3)    | 19=(17/3)   |
| 1       | Mangaluru   | 97                        | 97                                 | 1370                             | 229:41:00                                      | 229:41:00   | 349:09:00                     | 71:07:00           | 420:16:00         | 649:57:00                                      | 6:42:02                                 | 99.40  | 99.07  | 649:57:00  | 6:42:02  | 99.40   | 99.07   | 649.95   | 14.12        | 6.70        |
| 2       | Kavoor  | 37                        | 37                                 | 651                              | 80:20:00                                       | 80:20:00  | 329:00:00                     | 40:52:00           | 369:52:00         | 450:12:00                                      | 12:10:03                                | 98.61  | 98.31  | 450:12:00  | 12:10:03   | 98.61   | 98.31   | 450.20   | 17.59        | 12.17       |
| 3       | Udupi   | 38                        | 38                                 | 759                              | 6:29:00  | 6:29:00   | 129:30:00                     | 71:07:00           | 200:37:00         | 207:06:00                                      | 5:27:00                                 | 99.27  | 99.24  | 207:06:00  | 5:27:00  | 99.27   | 99.24   | 207.10   | 19.97        | 5.45        |
| 4       | Shivamogga  | 45                        | 45                                 | 786                              | 10:35:00                                       | 10:35:00  | 164:33:00                     | 111:59:00          | 276:32:00         | 287:07:00                                      | 6:22:49                                 | 99.15  | 99.11  | 287:07:00  | 6:22:49  | 99.15   | 99.11   | 287.12   | 17.47        | 6.38        |
| 5       | Chikkamagaluru                                    | 8                         | 8                                  | 349                              | 15:34:00                                       | 15:34:00  | 115:21:00                     | 30:58:00           | 146:19:00         | 161:53:00                                      | 20:14:07                                | 97.46  | 97.19  | 161:53:00  | 20:14:07   | 97.46   | 97.19   | 161.88   | 43.63        | 20.24       |
|         | <b>Total</b>                                      | <b>225</b>                | <b>225</b>                         | <b>3915</b>                      | <b>342:39:00</b>                               | <b>342:39:00</b>  | <b>1087:33:00</b>             | <b>326:03:00</b>   | <b>1413:36:00</b> | <b>1756:15:00</b>                              | <b>7:48:20</b>                          | <b>99.13</b>                                       | <b>98.92</b>                                     | <b>1756:15:00</b>  | <b>7:48:20</b>                                     | <b>99.13</b>  | <b>98.92</b>  | <b>1756.25</b>                                 | <b>17.40</b> | <b>7.81</b> |

\* Feeder Reliability Index at 11KV feeder Level=([ Total No of 11kv Feeders x 24 Hrs x No. of days in the Month ] - [outage duration of all 11kv feeders during the month in Hrs as in columns 8]) x 100/[Total No of 11kv Feeders x 24Hrs x No. of days in the Month]

# The cumulative figures shall indicate the data from April to the current month of the financial year.

\*\* Reliability of supply of power to consumers= ([Total No. of feeders x 24 Hrs x No. of days in the month ] - [ Sum of outage duration including outage in higher voltages along with 11 kv Outage during the month in hrs as in column 9]) x 100/ [ Total No. of Feeders x 24 hrs x No. of days in the month]

Superintending Engineer(Ele)(Tech)  
MESCOM,Mangaluru

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- II

FORM-II

## RELIABILITY INDICES FOR TOWN & CITIES IN MESCOM FOR THE MONTH OF APRIL-2023

| Sl. No.      | Name of the Town/City | Total No. of 11KV Feeders | Total No. of 11KV Feeders affected | Total No of Feeder Interruptions | Outage due to Incoming Supply failure (in Hrs) | Cumulative Outage due to Incoming Supply failure (in Hrs) for FY-24 | Outage at 11KV Level (In Hrs) |                    |                   | Reliability for the Month                      |   |  |  | SAIFI SAIDI  |  |   |   |  |              |              |
|--------------|-----------------------|---------------------------|------------------------------------|----------------------------------|--|---|-------------------------------|--------------------|-------------------|--|---|--|--|--|--|---|---|--|--------------|--------------|
|              |                       |                           |                                    |                                  |  |   | Scheduled Outage              | Unscheduled Outage | Total             | Sum of outage duration of all feeders (in Hrs) | Outage duration Per feeder (in Hrs/Fdr) | Feeder Reliability Index at 11KV feeder level in % | Reliability of supply of Power to consumers in % | Cumulative outage duration of all feeders (in Hrs) for FY-24 | Cumulative Outage duration Per feeder (in Hrs/Fdr) | Cumulative Feeder Reliability Index at 11KV feeder level in % | Cumulative Reliability of supply of Power to consumers in % | Sum of outage duration of all feeders (in Hrs) | SAIFI        | SAIDI        |
| 1            | 2                     | 3                         | 4                                  | 4a                               | 5  | 5a  | 6                             | 7                  | 8=6+7             | 9=5+8  | 10=9/3                                  | 11*  | 12**   | 13#  | 14=13/3#   | 15#   | 16#   | 17=9   | 18=(4a/3)    | 19=(17/3)    |
| 1            | Moodabidre            | 8                         | 8                                  | 305                              | 0:34:00  | 0:34:00   | 71:18:00                      | 23:03:00           | 94:21:00          | 94:55:00                                       | 11:51:52                                | 98.36  | 98.35  | 94:55:00   | 11:51:52   | 98.36   | 98.35   | 94.92  | 38.13        | 11.86        |
| 2            | Bantwal               | 9                         | 9                                  | 363                              | 8:16:00  | 8:16:00   | 43:21:00                      | 12:43:00           | 56:04:00          | 64:20:00                                       | 7:08:53                                 | 99.13  | 99.01  | 64:20:00   | 7:08:53  | 99.13   | 99.01   | 64.33  | 40.33        | 7.15         |
| 3            | Belthangadi           | 2                         | 2                                  | 92                               | 2:04:00  | 2:04:00   | 18:52:00                      | 3:56:00            | 22:48:00          | 24:52:00                                       | 12:26:00                                | 98.42  | 98.27  | 24:52:00   | 12:26:00   | 98.42   | 98.27   | 24.87  | 46.00        | 12.43        |
| 4            | Puttur                | 12                        | 12                                 | 678                              | 3:20:00  | 3:20:00   | 68:54:00                      | 68:28:00           | 137:22:00         | 140:42:00                                      | 11:43:30                                | 98.41  | 98.37  | 140:42:00  | 11:43:30   | 98.41   | 98.37   | 140.70   | 56.50        | 11.73        |
| 5            | Kadaba                | 2                         | 2                                  | 262                              | 32:36:00                                       | 32:36:00  | 14:31:00                      | 27:44:00           | 42:15:00          | 74:51:00                                       | 37:25:30                                | 97.07  | 94.80  | 74:51:00   | 37:25:30   | 97.07   | 94.80   | 74.85  | 131.00       | 37.43        |
| 6            | Sullia                | 4                         | 4                                  | 482                              | 90:00:00                                       | 90:00:00  | 40:55:00                      | 49:10:00           | 90:05:00          | 180:05:00                                      | 45:01:15                                | 96.87  | 93.75  | 180:05:00  | 45:01:15   | 96.87   | 93.75   | 180.08   | 120.50       | 45.02        |
| 7            | Karkala               | 4                         | 4                                  | 121                              | 0:00:00  | 0:00:00   | 7:26:00                       | 15:19:00           | 22:45:00          | 22:45:00                                       | 5:41:15                                 | 99.21  | 99.21  | 22:45:00   | 5:41:15  | 99.21   | 99.21   | 22.75  | 30.25        | 5.69         |
| 8            | Kaup                  | 3                         | 3                                  | 102                              | 25:30:00                                       | 25:30:00  | 9:17:00                       | 7:35:00            | 16:52:00          | 42:22:00                                       | 14:07:20                                | 99.22  | 98.04  | 42:22:00   | 14:07:20   | 99.22   | 98.04   | 42.37  | 34.00        | 14.12        |
| 9            | Kundapura             | 5                         | 5                                  | 100                              | 1:11:00  | 1:11:00   | 33:45:00                      | 7:34:00            | 41:19:00          | 42:30:00                                       | 8:30:00                                 | 98.85  | 98.82  | 42:30:00   | 8:30:00  | 98.85   | 98.82   | 42.50  | 20.00        | 8.50         |
| 10           | Bhadravathi           | 27                        | 27                                 | 510                              | 4:05:00  | 4:05:00   | 1598:38:00                    | 70:12:00           | 1668:50:00        | 1672:55:00                                     | 61:57:36                                | 91.42  | 91.39  | 1672:55:00   | 61:57:36   | 91.42   | 91.39   | 1672.92  | 18.89        | 61.96        |
| 11           | Thirthahalli          | 3                         | 3                                  | 54                               | 1:15:00  | 1:15:00   | 3:20:00                       | 3:05:00            | 6:25:00           | 7:40:00  | 2:33:20                                 | 99.70  | 99.65  | 7:40:00  | 2:33:20  | 99.70   | 99.65   | 7.67   | 18.00        | 2.56         |
| 12           | Soraba                | 2                         | 2                                  | 89                               | 3:00:00  | 3:00:00   | 35:40:00                      | 8:20:00            | 44:00:00          | 47:00:00                                       | 23:30:00                                | 96.94  | 96.74  | 47:00:00   | 23:30:00   | 96.94   | 96.74   | 47.00  | 44.50        | 23.50        |
| 13           | Hosnagara             | 1                         | 1                                  | 59                               | 33:35:00                                       | 33:35:00  | 22:55:00                      | 6:40:00            | 29:35:00          | 63:10:00                                       | 63:10:00                                | 95.89  | 91.23  | 63:10:00   | 63:10:00   | 95.89   | 91.23   | 63.17  | 59.00        | 63.17        |
| 14           | Sagar                 | 7                         | 7                                  | 265                              | 4:00:00  | 4:00:00   | 89:05:00                      | 28:20:00           | 117:25:00         | 121:25:00                                      | 17:20:43                                | 97.67  | 97.59  | 121:25:00  | 17:20:43   | 97.67   | 97.59   | 121.42   | 37.86        | 17.35        |
| 15           | Jog                   | 3                         | 3                                  | 101                              | 0:45:00  | 0:45:00   | 17:10:00                      | 16:10:00           | 33:20:00          | 34:05:00                                       | 11:21:40                                | 98.46  | 98.42  | 34:05:00   | 11:21:40   | 98.46   | 98.42   | 34.08  | 33.67        | 11.36        |
| 16           | Shikaripura           | 7                         | 7                                  | 166                              | 3:30:00  | 3:30:00   | 46:25:00                      | 9:20:00            | 55:45:00          | 59:15:00                                       | 8:27:51                                 | 98.89  | 98.82  | 59:15:00   | 8:27:51  | 98.89   | 98.82   | 59.25  | 23.71        | 8.46         |
| 17           | Shiralkoppa           | 1                         | 1                                  | 46                               | 17:30:00                                       | 17:30:00  | 10:00:00                      | 1:40:00            | 11:40:00          | 29:10:00                                       | 29:10:00                                | 98.38  | 95.95  | 29:10:00   | 29:10:00   | 98.38   | 95.95   | 29.17  | 46.00        | 29.17        |
| 18           | Anavatti              | 2                         | 2                                  | 85                               | 1:25:00  | 1:25:00   | 23:25:00                      | 2:50:00            | 26:15:00          | 27:40:00                                       | 13:50:00                                | 98.18  | 98.08  | 27:40:00   | 13:50:00   | 98.18   | 98.08   | 27.67  | 42.50        | 13.83        |
| 19           | Mudigere              | 1                         | 1                                  | 46                               | 7:45:00  | 7:45:00   | 9:00:00                       | 6:50:00            | 15:50:00          | 23:35:00                                       | 23:35:00                                | 97.80  | 96.72  | 23:35:00   | 23:35:00   | 97.80   | 96.72   | 23.58  | 46.00        | 23.58        |
| 20           | Koppa                 | 1                         | 1                                  | 86                               | 4:55:00  | 4:55:00   | 26:30:00                      | 15:05:00           | 41:35:00          | 46:30:00                                       | 46:30:00                                | 94.22  | 93.54  | 46:30:00   | 46:30:00   | 94.22   | 93.54   | 46.50  | 86.00        | 46.50        |
| 21           | Sringeri              | 1                         | 1                                  | 112                              | 33:50:00                                       | 33:50:00  | 8:06:00                       | 2:20:00            | 10:26:00          | 44:16:00                                       | 44:16:00                                | 98.55  | 93.85  | 44:16:00   | 44:16:00   | 98.55   | 93.85   | 44.27  | 112.00       | 44.27        |
| 22           | N.R.Pura              | 1                         | 1                                  | 134                              | 14:24:00                                       | 14:24:00  | 17:31:00                      | 28:59:00           | 46:30:00          | 60:54:00                                       | 60:54:00                                | 93.54  | 91.54  | 60:54:00   | 60:54:00   | 93.54   | 91.54   | 60.90  | 134.00       | 60.90        |
| 23           | Kadur                 | 2                         | 2                                  | 171                              | 0:00:00  | 0:00:00   | 23:28:00                      | 21:40:00           | 45:08:00          | 45:08:00                                       | 22:34:00                                | 96.87  | 96.87  | 45:08:00   | 22:34:00   | 96.87   | 96.87   | 45.13  | 85.50        | 22.57        |
| 24           | Tharikere             | 2                         | 2                                  | 147                              | 0:30:00  | 0:30:00   | 50:10:00                      | 8:30:00            | 58:40:00          | 59:10:00                                       | 29:35:00                                | 95.93  | 95.89  | 59:10:00   | 29:35:00   | 95.93   | 95.89   | 59.17  | 73.50        | 29.58        |
| 25           | Birur                 | 1                         | 1                                  | 75                               | 0:15:00  | 0:15:00   | 18:10:00                      | 12:00:00           | 30:10:00          | 30:25:00                                       | 30:25:00                                | 95.81  | 95.78  | 30:25:00   | 30:25:00   | 95.81   | 95.78   | 30.42  | 75.00        | 30.42        |
| <b>Total</b> |                       | <b>111</b>                | <b>111</b>                         | <b>4651</b>                      | <b>294:15:00</b>                               | <b>294:15:00</b>  | <b>2307:52:00</b>             | <b>457:33:00</b>   | <b>2765:25:00</b> | <b>3059:40:00</b>                              | <b>27:33:52</b>                         | <b>96.54</b>                                       | <b>96.17</b>                                     | <b>3059:40:00</b>  | <b>27:33:52</b>                                    | <b>96.54</b>  | <b>96.17</b>  | <b>3059.67</b>                                 | <b>41.90</b> | <b>27.56</b> |

In 110/33/11KV MUSS the Campco Urban feeder load shifted to Shanthigodu feeder

\* Feeder Reliability Index at 11KV feeder Level= [(Total No of 11kv Feeders x 24 Hrs x No. of days in the Month) - (outage duration of all 11kv feeders during the month in Hrs as in columns 8)] x 100 / [(Total No of 11kv Feeders x 24Hrs x No. of days in the Month)]

# The cumulative figures shall indicate the data from April to the current month of the financial year.

\*\* Reliability of supply of power to consumers= [(Total No. of feeders x 24 Hrs x No. of days in the month) - (Sum of outage duration including outage in higher voltages along with 11 kv Outage during the month in hrs as in column 9)] x 100 / [Total No. of Feeders x 24 hrs x No. of days in the month]

**Superintending Engineer(Ele)(Tech)**  
**MESCOM,Mangaluru**

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III(A)

FORM-III(A)

## RELIABILITY INDICES FOR RURAL AREAS (EXCLUDING EIP FEEDERS) IN MESCOM FOR THE MONTH OF APRIL-2023

| Sl. No. | Name of the division | Total No. of 11KV rural Feeders | Total No. of 11KV rural Feeders affected | Total No of Feeder Interruptions | Outage due to Incoming Supply failure (in Hrs) | Cumulative Outage due to Incoming Supply failure (in Hrs) for FY-24 | Outage at 11KV Level (In Hrs) |                    |                    | Reliability for the Month                      |   |  |  | SAIFI SAIDI  |  |   |   |  |              |              |
|---------|----------------------|---------------------------------|--|----------------------------------|--|---|-------------------------------|--------------------|--------------------|--|---|--|--|--|--|---|---|--|--------------|--------------|
|         |                      |                                 |  |                                  |  |   | Scheduled Outage              | Unscheduled Outage | Total              | Sum of outage duration of all feeders (in Hrs) | Outage duration Per feeder (in Hrs/Fdr) | Feeder Reliability Index at 11KV feeder level in % | Reliability of supply of Power to consumers in % | Cumulative outage duration of all feeders (in Hrs) for FY-24 | Cumulative Outage duration Per feeder (in Hrs/Fdr) | Cumulative Feeder Reliability Index at 11KV feeder level in % | Cumulative Reliability of supply of Power to consumers in % | Sum of outage duration of all feeders (in Hrs) | SAIFI        | SAIDI        |
| 1       | 2                    | 3                               | 4  | 4a                               | 5  | 5a  | 6                             | 7                  | 8=6+7              | 9=5+8  | 10=9/3                                  | 11*  | 12**   | 13#  | 14=13/3#   | 15#   | 16#   | 17=9   | 18=(4a/3)    | 19=(17/3)    |
| 1       | Mangaluru            | 10                              | 10                                       | 409                              | 11:36:00                                       | 11:36:00  | 95:47:00                      | 28:08:00           | 123:55:00          | 135:31:00                                      | 13:33:06                                | 98.28  | 98.12  | 135:31:00  | 13:33:06   | 98.28   | 98.12   | 135.52   | 40.90        | 13.55        |
| 2       | Kavoor               | 30                              | 30                                       | 1041                             | 1:23:00  | 1:23:00   | 195:47:00                     | 84:07:00           | 279:54:00          | 281:17:00                                      | 9:22:34                                 | 98.70  | 98.70  | 281:17:00  | 9:22:34  | 98.70   | 98.70   | 281.28   | 34.70        | 9.38         |
| 3       | Puttur               | 60                              | 60                                       | 6389                             | 605:31:00                                      | 605:31:00   | 819:39:00                     | 1045:37:00         | 1865:16:00         | 2470:47:00                                     | 41:10:47                                | 95.68  | 94.28  | 2470:47:00   | 41:10:47   | 95.68   | 94.28   | 2470.78  | 106.48       | 41.18        |
| 4       | Bantwal              | 94                              | 94                                       | 7709                             | 383:09:00                                      | 383:09:00   | 846:44:00                     | 1314:27:00         | 2161:11:00         | 2544:20:00                                     | 27:04:03                                | 96.81  | 96.24  | 2544:20:00   | 27:04:03   | 96.81   | 96.24   | 2544.33  | 82.01        | 27.07        |
| 5       | Udupi                | 48                              | 48                                       | 1605                             | 49:23:00                                       | 49:23:00  | 360:04:00                     | 164:56:00          | 525:00:00          | 574:23:00                                      | 11:57:59                                | 98.48  | 98.34  | 574:23:00  | 11:57:59   | 98.48   | 98.34   | 574.38   | 33.44        | 11.97        |
| 6       | Karkala              | 31                              | 31                                       | 1358                             | 9:10:00  | 9:10:00   | 216:28:00                     | 207:11:00          | 423:39:00          | 432:49:00                                      | 13:57:43                                | 98.10  | 98.06  | 432:49:00  | 13:57:43   | 98.10   | 98.06   | 432.82   | 43.81        | 13.96        |
| 7       | Kundapura            | 61                              | 61                                       | 2561                             | 30:19:00                                       | 30:19:00  | 1463:04:00                    | 245:22:00          | 1708:26:00         | 1738:45:00                                     | 28:30:15                                | 96.11  | 96.04  | 1738:45:00   | 28:30:15   | 96.11   | 96.04   | 1738.75  | 41.98        | 28.50        |
| 8       | Shivamogga           | 73                              | 73                                       | 4848                             | 38:35:00                                       | 38:35:00  | 1687:33:00                    | 694:43:00          | 2382:16:00         | 2420:51:00                                     | 33:09:44                                | 95.47  | 95.39  | 2420:51:00   | 33:09:44   | 95.47   | 95.39   | 2420.85  | 66.41        | 33.16        |
| 9       | Bhadravathi          | 21                              | 21                                       | 1359                             | 49:35:00                                       | 49:35:00  | 357:48:00                     | 981:05:00          | 1338:53:00         | 1388:28:00                                     | 66:07:03                                | 91.14  | 90.82  | 1388:28:00   | 66:07:03   | 91.14   | 90.82   | 1388.47  | 64.71        | 66.12        |
| 10      | Sagar                | 77                              | 77                                       | 6066                             | 392:55:00                                      | 392:55:00   | 7538:35:00                    | 867:45:00          | 8406:20:00         | 8799:15:00                                     | 114:16:34                               | 84.84  | 84.13  | 8799:15:00   | 114:16:34  | 40.60   | 84.13   | 8799.25  | 78.78        | 114.28       |
| 11      | Shikaripura          | 62                              | 62                                       | 4994                             | 75:57:00                                       | 75:57:00  | 13025:22:00                   | 1004:47:00         | 14030:09:00        | 14106:06:00                                    | 227:31:04                               | 68.57  | 68.40  | 14106:06:00  | 227:31:04  | 68.57   | 68.40   | 14106.10                                       | 80.55        | 227.52       |
| 12      | Chikkamagaluru       | 49                              | 49                                       | 7573                             | 255:29:00                                      | 255:29:00   | 4598:46:00                    | 1282:53:00         | 5881:39:00         | 6137:08:00                                     | 125:14:51                               | 83.33  | 82.60  | 6137:08:00   | 125:14:51  | 83.33   | 82.60   | 6137.13  | 154.55       | 125.25       |
| 13      | Kadur                | 69                              | 69                                       | 5922                             | 167:05:00                                      | 167:05:00   | 4134:53:00                    | 1207:55:00         | 5342:48:00         | 5509:53:00                                     | 79:51:12                                | 89.25  | 88.91  | 5509:53:00   | 79:51:12   | 89.25   | 88.91   | 5509.88  | 85.83        | 79.85        |
| 14      | Koppa                | 38                              | 38                                       | 5034                             | 430:10:00                                      | 430:10:00   | 3533:37:00                    | 827:16:00          | 4360:53:00         | 4791:03:00                                     | 126:04:49                               | 84.06  | 82.49  | 4791:03:00   | 126:04:49  | 84.06   | 82.49   | 4791.05  | 132.47       | 126.08       |
|         | <b>Total</b>         | <b>723</b>                      | <b>723</b>                               | <b>56868</b>                     | <b>2500:17:00</b>                              | <b>2500:17:00</b>   | <b>38874:07:00</b>            | <b>9956:12:00</b>  | <b>48830:19:00</b> | <b>51330:36:00</b>                             | <b>70:59:48</b>                         | <b>90.62</b>                                       | <b>90.14</b>                                     | <b>51330:36:00</b>   | <b>70:59:48</b>                                    | <b>90.62</b>  | <b>90.14</b>  | <b>51330.60</b>                                | <b>78.66</b> | <b>71.00</b> |

Excluding IP feeders

Note: In Shivamogga division MF-18 NJY Hosalli feeder cable faulty load taken on MF-5 IP feeder which is considered as rural feeder. In Sagara division, Rippenpete and Aduvalli feeders are idle.

\* Feeder Reliability Index at 11KV feeder Level= $\left[ \frac{\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month} - [\text{outage duration of all 11kv feeders during the month in Hrs as in columns 8}]}{\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month}} \right] \times 100$

# The cumulative figures shall indicate the data from April to the current month of the financial year.

\*\* Reliability of supply of power to consumers= $\left[ \frac{\text{Total No. of feeders} \times 24 \text{ Hrs} \times \text{No. of days in the month} - [\text{Sum of outage duration including outage in higher voltages along with 11 kv Outage during the month in hrs as in column 9}]}{\text{Total No. of Feeders} \times 24 \text{ hrs} \times \text{No. of days in the month}} \right] \times 100$

Superintending Engineer(Ele)(Tech)  
MESCOM,Mangaluru



# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III(B)

FORM-III(B)

## RELIABILITY INDICES FOR EXCLUSIVE IP FEEDER AREAS IN MESCOM FOR THE MONTH OF APRIL-2023

| Sl. No. | Name of the division | Total No. of 11KV rural Feeders | Total No. of 11KV rural Feeders affected | Total No of Feeder Interruptions | Outage due to Incoming Supply failure (in Hrs) | Cumulative Outage due to Incoming Supply failure (in Hrs) for FY-24 | Outage at 11KV Level (in Hrs) |                    |                     | Reliability for the Month                      |   |  |  | SAIFI SAIDI  |  |   |   |  |               |               |
|---------|----------------------|---------------------------------|--|----------------------------------|--|---|-------------------------------|--------------------|---------------------|--|---|--|--|--|--|---|---|--|---------------|---------------|
|         |                      |                                 |  |                                  |  |   | Scheduled Outage              | Unscheduled Outage | Total               | Sum of outage duration of all feeders (in Hrs) | Outage duration Per feeder (in Hrs/Fdr) | Feeder Reliability Index at 11KV feeder level in % | Reliability of supply of Power to consumers in % | Cumulative outage duration of all feeders (in Hrs) for FY-24 | Cumulative Outage duration Per feeder (in Hrs/Fdr) | Cumulative Feeder Reliability Index at 11KV feeder level in % | Cumulative Reliability of supply of Power to consumers in % | Sum of outage duration of all feeders (in Hrs) | SAIFI         | SAIDI         |
| 1       | 2                    | 3                               | 4  | 4a                               | 5  | 5a  | 6                             | 7                  | 8=6+7               | 9=5+8  | 10=9/3                                  | 11*  | 12**   | 13#  | 14=13/3#   | 15#   | 16#   | 17=9   | 18=(4a/3)     | 19=(17/3)     |
| 8       | Shivamogga           | 26                              | 26                                       | 3547                             | 13:25:00                                       | 13:25:00  | 6351:17:00                    | 393:33:00          | 6744:50:00          | 6758:15:00                                     | 259:55:58                               | 63.97  | 63.90  | 6758:15:00   | 259:55:58  | 63.97   | 63.90   | 6758.25  | 136.42        | 259.93        |
| 9       | Bhadravathi          | 26                              | 26                                       | 2764                             | 95:25:00                                       | 95:25:00  | 8074:25:00                    | 1163:52:00         | 9238:17:00          | 9333:42:00                                     | 358:59:18                               | 50.65  | 50.14  | 9333:42:00   | 358:59:18  | 50.65   | 50.14   | 9333.70  | 106.31        | 358.99        |
| 10      | Sagar                | 20                              | 20                                       | 2183                             | 77:15:00                                       | 77:15:00  | 7345:45:00                    | 192:05:00          | 7537:50:00          | 7615:05:00                                     | 380:45:15                               | 47.65  | 47.12  | 7615:05:00   | 380:45:15  | 47.65   | 47.12   | 7615.08  | 109.15        | 380.75        |
| 11      | Shikaripura          | 98                              | 98                                       | 11003                            | 178:31:00                                      | 178:31:00   | 43736:32:00                   | 2156:08:00         | 45892:40:00         | 46071:11:00                                    | 470:06:51                               | 34.96  | 34.71  | 46071:11:00  | 470:06:51  | 34.96   | 34.71   | 46071.18                                       | 112.28        | 470.11        |
| 13      | Kadur                | 136                             | 136                                      | 16880                            | 207:00:00                                      | 207:00:00   | 30647:23:00                   | 5052:18:00         | 35699:41:00         | 35906:41:00                                    | 264:01:11                               | 63.54  | 63.33  | 35906:41:00  | 264:01:11  | 63.54   | 63.33   | 35906.68                                       | 124.12        | 264.02        |
|         | <b>Total</b>         | <b>306</b>                      | <b>306</b>                               | <b>36377</b>                     | <b>571:36:00</b>                               | <b>571:36:00</b>  | <b>96155:22:00</b>            | <b>8957:56:00</b>  | <b>105113:18:00</b> | <b>105684:54:00</b>                            | <b>345:22:32</b>                        | <b>52.29</b>                                       | <b>52.03</b>                                     | <b>105684:54:00</b>  | <b>345:22:32</b>                                   | <b>52.29</b>  | <b>52.03</b>  | <b>105684.90</b>                               | <b>118.88</b> | <b>345.38</b> |

\* Feeder Reliability Index at 11KV feeder Level= $\left[ \frac{\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month} - [\text{outage duration of all 11kv feeders during the month in Hrs as in columns 8}]}{\text{Total No of 11kv Feeders} \times 24 \text{Hrs} \times \text{No. of days in the Month}} \right] \times 100$

# The cumulative figures shall indicate the data from April to the current month of the financial year.

\*\* Reliability of supply of power to consumers= $\left[ \frac{\text{Total No. of feeders} \times 24 \text{ Hrs} \times \text{No. of days in the month} - [\text{Sum of outage duration including outage in higher voltages along with 11 kv Outage during the month in hrs as in column 9}]}{\text{Total No. of Feeders} \times 24 \text{ hrs} \times \text{No. of days in the month}} \right] \times 100$

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