

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

## RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH OCTOBER-2021

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-22	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-22	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	80	80	2091	214:00:00	559:57:00	352:51:00	161:48:00	514:39:00	728:39:00	9:06:29	99.14	98.78	4976:01:00	62:12:01	98.93	98.79	728.65	26.14	9.11
2	Kavoor	36	36	1371	465:59:00	1244:00:00	231:26:00	121:56:00	353:22:00	819:21:00	22:45:35	98.68	96.94	4470:54:00	124:11:30	98.25	97.58	819.35	38.08	22.76
3	Udupi	33	33	1213	127:14:00	577:17:00	170:56:00	122:34:00	293:30:00	420:44:00	12:44:58	98.80	98.29	3612:26:00	109:28:04	98.21	97.87	420.73	36.76	12.75
4	Shivamogga	42	42	1130	42:35:00	123:00:00	574:35:00	154:52:00	729:27:00	772:02:00	18:22:54	97.67	97.53	4603:54:00	109:37:00	97.92	97.87	772.03	26.90	18.38
5	Chikkamagaluru	8	8	216	0:00:00	11:58:00	66:02:00	20:32:00	86:34:00	86:34:00	10:49:15	98.55	98.55	604:40:00	75:35:00	98.56	98.53	86.57	27.00	10.82
	<b>Total</b>	<b>199</b>	<b>199</b>	<b>6021</b>	<b>849:48:00</b>	<b>2516:12:00</b>	<b>1395:50:00</b>	<b>581:42:00</b>	<b>1977:32:00</b>	<b>2827:20:00</b>	<b>14:12:28</b>	<b>98.66</b>	<b>98.09</b>	<b>18267:55:00</b>	<b>91:47:55</b>	<b>98.46</b>	<b>98.21</b>	<b>2827.33</b>	<b>30.26</b>	<b>14.21</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 OCTOBER-2021

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-22	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	Cumulative outage duration of all feeders (in Hrs) for FY-22	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	Moodabidre	8	8	398	18:16:00	79:53:00	98:02:00	66:53:00	164:55:00	183:11:00	22:53:53	97.23	96.92	1701:12:00	212:39:00	96.05	95.86	183.18	49.75	22.90
2	Bantwal	5	5	401	10:14:00	78:18:00	34:54:00	73:35:00	108:29:00	118:43:00	23:44:36	97.08	96.81	847:19:00	169:27:48	97.01	96.70	118.72	80.20	23.74
3	Belthangadi	2	2	141	1:05:00	24:18:00	11:20:00	8:23:00	19:43:00	20:48:00	10:24:00	98.67	98.60	267:39:00	133:49:30	97.63	97.39	20.80	70.50	10.40
4	Puttur	12	12	880	21:18:00	85:35:00	111:12:00	161:22:00	272:34:00	293:52:00	24:29:20	96.95	96.71	2095:37:00	174:38:05	96.74	96.60	293.87	73.33	24.49
5	Kadaba	2	2	335	68:42:00	398:12:00	38:34:00	64:36:00	103:10:00	171:52:00	85:56:00	93.07	88.45	915:51:00	457:55:30	94.96	91.08	171.87	167.50	85.93
6	Sullia	2	2	438	94:30:00	524:10:00	52:15:00	32:15:00	84:30:00	179:00:00	89:30:00	94.32	87.97	1047:15:00	523:37:30	94.91	89.80	179.00	219.00	89.50
7	Karkala	7	7	456	129:18:00	449:15:00	71:14:00	40:23:00	111:37:00	240:55:00	34:25:00	97.86	95.37	1721:16:00	245:53:43	96.46	95.21	240.92	65.14	34.42
8	Kundapura	3	3	112	13:48:00	125:33:00	12:47:00	15:21:00	28:08:00	41:56:00	13:58:40	98.74	98.12	492:46:00	164:15:20	97.62	96.80	41.93	37.33	13.98
9	Bhadravathi	28	28	648	38:20:00	145:45:00	336:37:00	90:14:00	426:51:00	465:11:00	16:36:49	97.95	97.77	2050:39:00	73:14:15	98.68	98.57	465.18	23.14	16.61
10	Thirthahalli	3	3	76	4:00:00	14:15:00	9:55:00	11:00:00	20:55:00	24:55:00	8:18:20	99.06	98.88	166:40:00	55:33:20	99.01	98.92	24.92	25.33	8.31
11	Soraba	1	1	81	3:50:00	11:20:00	37:35:00	7:25:00	45:00:00	48:50:00	48:50:00	93.95	93.44	265:15:00	265:15:00	95.06	94.84	48.83	81.00	48.83
12	Hosnagara	1	1	73	18:30:00	210:20:00	12:45:00	6:30:00	19:15:00	37:45:00	37:45:00	97.41	94.93	546:55:00	546:55:00	93.45	89.35	37.75	73.00	37.75
13	Sagar	7	7	219	0:00:00	16:20:00	328:45:00	29:55:00	358:40:00	358:40:00	51:14:17	93.11	93.11	1350:20:00	192:54:17	96.29	96.24	358.67	31.29	51.24
14	Jog	3	3	94	0:00:00	11:45:00	45:50:00	64:30:00	110:20:00	110:20:00	36:46:40	95.06	95.06	397:30:00	132:30:00	97.50	97.42	110.33	31.33	36.78
15	Shikaripura	7	7	298	51:20:00	121:20:00	61:55:00	70:20:00	132:15:00	183:35:00	26:13:34	97.46	96.47	1544:05:00	220:35:00	96.04	95.71	183.58	42.57	26.23
16	Shiralkoppa	1	1	37	7:35:00	40:25:00	655:05:00	2:25:00	657:30:00	665:05:00	665:05:00	11.63	10.61	806:20:00	806:20:00	85.09	84.30	665.08	37.00	665.08
17	Anavatti	1	1	50	7:20:00	25:15:00	13:45:00	5:25:00	19:10:00	26:30:00	26:30:00	97.42	96.44	70:05:00	70:05:00	99.13	98.64	26.50	50.00	26.50
18	Mudigere	1	1	63	24:06:00	46:35:00	11:45:00	4:13:00	15:58:00	40:04:00	40:04:00	97.85	94.61	163:44:00	163:44:00	97.72	96.81	40.07	63.00	40.07
19	Koppa	1	1	93	8:00:00	65:00:00	23:15:00	14:45:00	38:00:00	46:00:00	46:00:00	94.89	93.82	268:40:00	268:40:00	96.03	94.77	46.00	93.00	46.00
20	Sringeri	1	1	50	16:45:00	230:10:00	4:21:00	2:20:00	6:41:00	23:26:00	23:26:00	99.10	96.85	335:56:00	335:56:00	97.94	93.46	23.43	50.00	23.43
21	N.R.Pura	1	1	148	2:40:00	19:35:00	17:45:00	15:20:00	33:05:00	35:45:00	35:45:00	95.55	95.19	284:05:00	284:05:00	94.85	94.47	35.75	148.00	35.75
22	Kadur	2	2	122	0:00:00	0:50:00	44:15:00	10:57:00	55:12:00	55:12:00	27:36:00	96.29	96.29	327:25:00	163:42:30	96.82	96.81	55.20	61.00	27.60
23	Tharikere	2	2	175	41:15:00	83:05:00	36:41:00	8:25:00	45:06:00	86:21:00	43:10:30	96.97	94.20	364:01:00	182:00:30	97.27	96.46	86.35	87.50	43.18
24	Birur	2	2	55	1:20:00	9:40:00	11:20:00	5:10:00	16:30:00	17:50:00	8:55:00	98.89	98.80	206:10:00	103:05:00	98.09	97.99	17.83	27.50	8.92
	<b>Total</b>	<b>103</b>	<b>103</b>	<b>5443</b>	<b>582:12:00</b>	<b>2816:54:00</b>	<b>2081:52:00</b>	<b>811:42:00</b>	<b>2893:34:00</b>	<b>3475:46:00</b>	<b>33:44:43</b>	<b>96.22</b>	<b>95.46</b>	<b>18236:45:00</b>	<b>177:03:21</b>	<b>97.09</b>	<b>96.55</b>	<b>3475.77</b>	<b>52.84</b>	<b>33.75</b>

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

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

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

Superintending Engineer(Ele)(Tech)  
MESCOM,Mangaluru

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III

FORM-III

## RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF OCTOBER-2021

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-22	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-22	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	9	9	592	39:25:00	100:24:00	58:19:00	67:38:00	125:57:00	165:22:00	18:22:27	98.12	97.53	1560:10:00	173:21:07	96.84	96.62	165.37	65.78	18.37
2	Kavoor	29	29	1382	41:14:00	415:17:00	183:32:00	203:19:00	386:51:00	428:05:00	14:45:41	98.21	98.02	5223:48:00	180:07:52	96.77	96.49	428.08	47.66	14.76
3	Puttur	56	56	7901	1240:17:00	7105:46:00	1107:09:00	1330:18:00	2437:27:00	3677:44:00	65:40:26	94.15	91.17	23933:21:00	427:22:52	94.15	91.68	3677.73	141.09	65.67
4	Bantwal	87	87	7264	475:49:00	3793:25:00	1338:27:00	1064:18:00	2402:45:00	2878:34:00	33:05:13	96.29	95.55	24604:22:00	282:48:32	95.34	94.49	2878.57	83.49	33.09
5	Udupi	66	66	4131	267:25:00	1613:45:00	996:31:00	659:52:00	1656:23:00	1923:48:00	29:08:55	96.63	96.08	17075:42:29	258:43:22	95.44	94.96	1923.80	62.59	29.15
6	Kundapura	46	46	3482	235:09:00	2299:04:00	618:45:00	653:56:00	1272:41:00	1507:50:00	32:46:44	96.28	95.59	13283:10:00	288:45:52	95.35	94.38	1507.83	75.70	32.78
7	Shivamogga	79	79	7130	290:10:00	838:09:00	4135:47:00	2190:52:00	6326:39:00	6616:49:00	83:45:26	89.24	88.74	45756:42:00	579:11:55	88.93	88.72	6616.82	90.25	83.76
8	Bhadravathi	40	40	3298	295:00:00	1662:46:00	7874:13:00	1424:24:00	9298:37:00	9593:37:00	239:50:25	68.75	67.76	53626:54:00	1340:40:21	74.71	73.90	9593.62	82.45	239.84
9	Sagar	87	87	6480	334:15:00	4317:16:00	6026:55:00	3181:25:00	9208:20:00	9542:35:00	109:41:06	85.77	85.26	66478:57:00	764:07:33	86.09	85.12	9542.58	74.48	109.68
10	Shikaripura	141	141	15557	1058:40:00	4705:36:00	37155:41:00	10456:30:00	47612:11:00	48670:51:00	345:11:00	54.61	53.60	322645:49:00	2288:16:06	56.10	55.45	48670.85	110.33	345.18
11	Chikkamagaluru	48	48	6109	292:18:00	1495:22:00	2370:04:00	1882:03:00	4252:07:00	4544:25:00	94:40:31	88.09	87.27	36292:29:00	756:05:36	85.89	85.28	4544.42	127.27	94.68
12	Kadur	187	187	18764	582:50:00	1657:55:00	25487:18:00	9637:25:00	35124:43:00	35707:33:00	190:56:58	74.75	74.33	235673:48:00	1260:17:16	75.63	75.46	35707.55	100.34	190.95
13	Koppa	37	37	4179	399:55:00	3172:11:00	659:26:00	1173:33:00	1832:59:00	2232:54:00	60:20:55	93.34	91.89	23357:00:00	631:16:13	89.38	87.71	2232.90	112.95	60.35
<b>Total</b>		<b>912</b>	<b>912</b>	<b>86269</b>	<b>5552:27:00</b>	<b>33176:56:00</b>	<b>88012:07:00</b>	<b>33925:33:00</b>	<b>121937:40:00</b>	<b>127490:07:00</b>	<b>139:47:30</b>	<b>82.03</b>	<b>81.21</b>	<b>869512:12:29</b>	<b>953:24:45</b>	<b>82.14</b>	<b>81.44</b>	<b>127490.12</b>	<b>94.59</b>	<b>139.79</b>

In kundapura division, Byndoor feeder clubbed with ganganadu feeder. In Sagara division, Lingadahalli and Bommatti feeders are clubbed. Rippenpete and Aduvalli feeders are idle.

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

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

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

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