

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH SEPTEMBER-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	1633	38:27:00	345:57:00	447:06:00	131:42:00	578:48:00	617:15:00	7:42:56	99.00	98.93	4247:22:00	53:05:32	98.89	98.79	617.25	20.41	7.72
2	Kavoor	36	36	818	6:30:00	778:01:00	266:20:00	113:31:00	379:51:00	386:21:00	10:43:55	98.53	98.51	3651:33:00	101:25:55	98.18	97.69	386.35	22.72	10.73
3	Udupi	33	33	1235	63:36:00	450:03:00	283:13:00	104:58:00	388:11:00	451:47:00	13:41:25	98.37	98.10	3191:42:00	96:43:05	98.11	97.80	451.78	37.42	13.69
4	Shivamogga	42	42	1072	31:30:00	80:25:00	1000:25:00	90:51:00	1091:16:00	1122:46:00	26:43:57	96.39	96.29	3831:52:00	91:14:06	97.97	97.92	1122.77	25.52	26.73
5	Chikkamagaluru	8	8	211	7:20:00	11:58:00	48:03:00	19:20:00	67:23:00	74:43:00	9:20:22	98.83	98.70	518:06:00	64:45:45	98.56	98.53	74.72	26.38	9.34
	Total	199	199	4969	147:23:00	1666:24:00	2045:07:00	460:22:00	2505:29:00	2652:52:00	13:19:52	98.25	98.15	15440:35:00	77:35:27	98.42	98.23	2652.87	24.97	13.33

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

Sd/-

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 SEPTEMBER-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 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	Moodabidre	8	8	330	0:00:00	61:37:00	88:44:00	31:13:00	119:57:00	119:57:00	14:59:38	97.92	97.92	1518:01:00	189:45:08	95.85	95.68	119.95	41.25	14.99
2	Bantwal	5	5	398	10:14:00	68:04:00	33:44:00	73:29:00	107:13:00	117:27:00	23:29:24	97.02	96.74	728:36:00	145:43:12	96.99	96.68	117.45	79.60	23.49
3	Belthangadi	2	2	124	1:05:00	23:13:00	10:47:00	7:17:00	18:04:00	19:09:00	9:34:30	98.75	98.67	246:51:00	123:25:30	97.45	97.19	19.15	62.00	9.58
4	Puttur	12	12	613	0:00:00	64:17:00	91:25:00	73:53:00	165:18:00	165:18:00	13:46:30	98.09	98.09	1801:45:00	150:08:45	96.70	96.58	165.30	51.08	13.78
5	Kadaba	2	2	204	13:04:00	329:30:00	11:04:00	18:38:00	29:42:00	42:46:00	21:23:00	97.94	97.03	743:59:00	371:59:30	95.28	91.53	42.77	102.00	21.38
6	Sullia	2	2	346	51:50:00	429:40:00	38:15:00	13:00:00	51:15:00	103:05:00	51:32:30	96.44	92.84	868:15:00	434:07:30	95.01	90.12	103.08	173.00	51.54
7	Karkala	8	8	443	90:26:00	319:57:00	105:26:00	35:35:00	141:01:00	231:27:00	28:55:53	97.55	95.98	1480:21:00	185:02:37	96.70	95.79	231.45	55.38	28.93
8	Kundapura	3	3	127	36:12:00	111:45:00	29:40:00	13:44:00	43:24:00	79:36:00	26:32:00	97.99	96.31	450:50:00	150:16:40	97.43	96.58	79.60	42.33	26.53
9	Bhadravathi	27	27	409	10:55:00	107:25:00	136:52:00	47:32:00	184:24:00	195:19:00	7:14:02	99.05	99.00	1585:28:00	58:43:16	98.75	98.66	195.32	15.15	7.23
10	Thirthahalli	3	3	46	0:00:00	10:15:00	7:10:00	2:15:00	9:25:00	9:25:00	3:08:20	99.56	99.56	141:45:00	47:15:00	99.00	98.92	9.42	15.33	3.14
11	Soraba	1	1	73	0:00:00	7:30:00	22:15:00	1:35:00	23:50:00	23:50:00	23:50:00	96.69	96.69	216:25:00	216:25:00	95.24	95.07	23.83	73.00	23.83
12	Hosnagara	1	1	55	14:45:00	191:50:00	28:00:00	6:05:00	34:05:00	48:50:00	48:50:00	95.27	93.22	509:10:00	509:10:00	92.77	88.41	48.83	55.00	48.83
13	Sagar	6	6	192	0:00:00	16:20:00	85:50:00	18:45:00	104:35:00	104:35:00	17:25:50	97.58	97.58	991:40:00	165:16:40	96.30	96.24	104.58	32.00	17.43
14	Jog	3	3	37	0:00:00	11:45:00	9:00:00	8:20:00	17:20:00	17:20:00	5:46:40	99.20	99.20	287:10:00	95:43:20	97.91	97.82	17.33	12.33	5.78
15	Shikaripura	7	7	171	12:55:00	70:00:00	21:50:00	22:40:00	44:30:00	57:25:00	8:12:09	99.12	98.86	1360:30:00	194:21:26	95.80	95.57	57.42	24.43	8.20
16	Shiralkoppa	1	1	57	1:50:00	32:50:00	12:45:00	2:20:00	15:05:00	16:55:00	16:55:00	97.91	97.65	141:15:00	141:15:00	97.53	96.78	16.92	57.00	16.92
17	Anavatti	1	1	33	9:00:00	17:55:00	6:55:00	0:20:00	7:15:00	16:15:00	16:15:00	98.99	97.74	43:35:00	43:35:00	99.42	99.01	16.25	33.00	16.25
18	Mudigere	1	1	61	0:10:00	22:29:00	9:24:00	3:40:00	13:04:00	13:14:00	13:14:00	98.19	98.16	123:40:00	123:40:00	97.70	97.18	13.23	61.00	13.23
19	Koppa	1	1	92	13:30:00	57:00:00	18:05:00	6:50:00	24:55:00	38:25:00	38:25:00	96.54	94.66	222:40:00	222:40:00	96.23	94.93	38.42	92.00	38.42
20	Sringeri	1	1	63	46:30:00	213:25:00	7:25:00	1:40:00	9:05:00	55:35:00	55:35:00	98.74	92.28	312:30:00	312:30:00	97.74	92.88	55.58	63.00	55.58
21	N.R.Pura	1	1	106	0:00:00	16:55:00	14:25:00	8:15:00	22:40:00	22:40:00	22:40:00	96.85	96.85	248:20:00	248:20:00	94.73	94.35	22.67	106.00	22.67
22	Kadur	2	2	100	0:00:00	0:50:00	21:22:00	5:56:00	27:18:00	27:18:00	13:39:00	98.10	98.10	272:13:00	136:06:30	96.91	96.90	27.30	50.00	13.65
23	Tharikere	2	2	80	0:00:00	41:50:00	36:05:00	6:40:00	42:45:00	42:45:00	21:22:30	97.03	97.03	277:40:00	138:50:00	97.32	96.84	42.75	40.00	21.38
24	Birur	2	2	33	0:00:00	8:20:00	31:00:00	1:00:00	32:00:00	32:00:00	16:00:00	97.78	97.78	188:20:00	94:10:00	97.95	97.86	32.00	16.50	16.00
	Total	102	102	4193	312:26:00	2234:42:00	877:28:00	410:42:00	1288:10:00	1600:36:00	15:41:32	98.25	97.82	14760:59:00	144:42:56	97.20	96.71	1600.60	41.11	15.69

* 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]

Sd/-

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 SEPTEMBER-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	680	13:48:00	60:59:00	124:37:00	68:14:00	192:51:00	206:39:00	22:57:40	97.02	96.81	1394:48:00	154:58:40	96.63	96.47	206.65	75.56	22.96
2	Kavoor	29	29	1403	1:50:00	374:03:00	345:39:00	161:12:00	506:51:00	508:41:00	17:32:27	97.57	97.56	4795:43:00	165:22:10	96.53	96.23	508.68	48.38	17.54
3	Puttur	55	55	5526	486:17:00	5865:29:00	772:46:00	815:22:00	1588:08:00	2074:25:00	37:43:00	95.99	94.76	20255:37:00	368:17:02	94.04	91.61	2074.42	100.47	37.72
4	Bantwal	87	87	6791	324:36:00	3317:36:00	1326:36:00	912:26:00	2239:02:00	2563:38:00	29:28:01	96.43	95.91	21725:48:00	249:43:19	95.18	94.31	2563.63	78.06	29.47
5	Udipi	64	64	3373	165:14:00	1346:20:00	794:35:00	511:07:00	1305:42:00	1470:56:00	22:59:00	97.17	96.81	15151:54:29	236:44:55	95.09	94.61	1470.93	52.70	22.98
6	Kundapura	47	46	3183	472:57:00	2063:55:00	698:33:00	484:40:00	1183:13:00	1656:10:00	35:14:15	96.50	95.11	11775:20:00	250:32:20	95.30	94.30	1656.17	67.72	35.24
7	Shivamogga	79	79	5600	110:50:00	547:59:00	3554:12:00	1326:53:00	4881:05:00	4991:55:00	63:11:20	91.42	91.22	39139:53:00	495:26:30	88.88	88.72	4991.92	70.89	63.19
8	Bhadravathi	39	39	2847	162:45:00	1367:46:00	6592:36:00	1654:19:00	8246:55:00	8409:40:00	215:37:57	70.63	70.05	44033:17:00	1129:03:31	75.09	74.29	8409.67	73.00	215.63
9	Sagar	88	85	5737	436:46:00	3983:01:00	6239:50:00	1656:20:00	7896:10:00	8332:56:00	94:41:33	87.54	86.85	56936:22:00	647:00:15	86.30	85.27	8332.93	65.19	94.69
10	Shikaripura	141	141	13176	615:18:00	3646:56:00	40030:15:00	3841:25:00	43871:40:00	44486:58:00	315:30:37	56.79	56.18	273974:58:00	1943:05:06	56.35	55.76	44486.97	93.45	315.51
11	Chikkamagaluru	48	48	5091	120:40:00	1203:04:00	2390:42:00	926:38:00	3317:20:00	3438:00:00	71:37:30	90.40	90.05	31748:04:00	661:25:05	85.51	84.94	3438.00	106.06	71.63
12	Kadur	187	187	16970	208:50:00	1075:05:00	27598:29:00	4154:56:00	31753:25:00	31962:15:00	170:55:16	76.42	76.26	199966:15:00	1069:20:18	75.78	75.65	31962.25	90.75	170.92
13	Koppa	37	37	3932	466:35:00	2772:16:00	749:37:00	872:48:00	1622:25:00	2089:00:00	56:27:34	93.91	92.16	21124:06:00	570:55:18	88.71	87.00	2089.00	106.27	56.46
	Total	910	906	74309	3586:26:00	27624:29:00	91218:27:00	17386:20:00	108604:47:00	112191:13:00	123:17:13	83.42	82.88	742022:05:29	815:24:32	82.13	81.43	112191.22	81.66	123.29

In Shivamogga division, F4 feeder KUMsi MUSS is temporarily converted as 11 KV Bank for NJY Feeders From 28.10.2020 @ 13:20 Hrs& F-4 Load connected to KF-1
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= [(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]

Sd/-
Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru