

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH FEBRUARY-2022

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	81	81	1087	61:14:00	782:09:00	233:12:00	55:52:00	289:04:00	350:18:00	4:19:29	99.47	99.36	7088:03:00	87:30:24	99.03	98.91	350.30	13.42	4.32
2	Kavoor	36	36	530	15:52:00	1658:34:00	76:04:00	30:37:00	106:41:00	122:33:00	3:24:15	99.56	99.49	5786:08:00	160:43:33	98.57	97.99	122.55	14.72	3.40
3	Udupi	33	33	623	134:15:00	1053:53:00	97:30:00	41:53:00	139:23:00	273:38:00	8:17:31	99.37	98.77	4996:51:00	151:25:11	98.51	98.11	273.63	18.88	8.29
4	Shivamogga	41	41	527	32:30:00	170:40:00	229:39:00	29:01:00	258:40:00	291:10:00	7:06:06	99.06	98.94	6213:01:00	151:32:13	98.16	98.11	291.17	12.85	7.10
5	Chikkamagaluru	8	8	167	0:00:00	25:46:00	70:55:00	9:30:00	80:25:00	80:25:00	10:03:08	98.50	98.50	888:34:00	111:04:15	98.65	98.61	80.42	20.88	10.05
	Total	199	199	2934	243:51:00	3691:02:00	707:20:00	166:53:00	874:13:00	1118:04:00	5:37:06	99.35	99.16	24972:37:00	125:29:26	98.67	98.43	1118.07	14.74	5.62

Note: In Shivamogga division, MF-11 & MF-15 cable fault from 08.11.21

* 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 FEBRUARY-2022

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	316	7:32:00	123:53:00	137:01:00	15:47:00	152:48:00	160:20:00	20:02:30	97.16	97.02	2221:09:00	277:38:38	96.73	96.54	160.33	39.50	20.04
2	Bantwal	5	5	342	10:22:00	132:10:00	34:19:00	58:19:00	92:38:00	103:00:00	20:36:00	97.24	96.93	1269:34:00	253:54:48	97.16	96.83	103.00	68.40	20.60
3	Belthangadi	2	2	142	0:15:00	53:20:00	22:00:00	12:40:00	34:40:00	34:55:00	17:27:30	97.42	97.40	480:15:00	240:07:30	97.34	97.00	34.92	71.00	17.46
4	Puttur	12	12	484	181:02:00	417:11:00	110:54:00	36:20:00	147:14:00	328:16:00	27:21:20	98.17	95.93	3100:29:00	258:22:25	97.21	96.78	328.27	40.33	27.36
5	Kadaba	2	2	137	56:46:00	563:02:00	11:33:00	11:28:00	23:01:00	79:47:00	39:53:30	98.29	94.06	1180:34:00	590:17:00	96.15	92.64	79.78	68.50	39.89
6	Sullia	2	2	247	54:50:00	813:30:00	20:50:00	6:00:00	26:50:00	81:40:00	40:50:00	98.00	93.92	1476:55:00	738:27:30	95.86	90.79	81.67	123.50	40.83
7	Karkala	8	8	201	37:09:00	566:14:00	55:03:00	24:51:00	79:54:00	117:03:00	14:37:53	98.51	97.82	2242:55:00	280:21:52	97.39	96.50	117.05	25.13	14.63
8	Kundapura	3	3	68	48:48:00	217:00:00	11:38:00	3:45:00	15:23:00	64:11:00	21:23:40	99.24	96.82	689:16:00	229:45:20	98.04	97.13	64.18	22.67	21.39
9	Bhadravathi	28	28	425	10:40:00	289:05:00	152:47:00	26:17:00	179:04:00	189:44:00	6:46:34	99.05	98.99	3376:55:00	120:36:15	98.62	98.50	189.73	15.18	6.78
10	Thirthahalli	3	3	70	0:00:00	21:45:00	12:45:00	2:35:00	15:20:00	15:20:00	5:06:40	99.24	99.24	211:45:00	70:35:00	99.21	99.12	15.33	23.33	5.11
11	Soraba	1	1	40	2:20:00	21:25:00	15:20:00	0:20:00	15:40:00	18:00:00	18:00:00	97.67	97.32	345:00:00	345:00:00	95.96	95.70	18.00	40.00	18.00
12	Hosnagara	1	1	54	8:05:00	252:45:00	14:10:00	6:55:00	21:05:00	29:10:00	29:10:00	96.86	95.66	668:30:00	668:30:00	94.81	91.66	29.17	54.00	29.17
13	Sagar	7	7	195	1:20:00	26:55:00	74:30:00	13:45:00	88:15:00	89:35:00	12:47:51	98.12	98.10	1886:20:00	269:28:34	96.69	96.64	89.58	27.86	12.80
14	Jog	3	3	36	0:15:00	17:00:00	23:45:00	2:10:00	25:55:00	26:10:00	8:43:20	98.71	98.70	548:20:00	182:46:40	97.79	97.72	26.17	12.00	8.72
15	Shikaripura	7	7	205	9:00:00	173:45:00	35:50:00	12:10:00	48:00:00	57:00:00	8:08:34	98.98	98.79	1802:25:00	257:29:17	97.10	96.79	57.00	29.29	8.14
16	Shiralkoppa	1	1	31	2:50:00	51:35:00	10:10:00	0:20:00	10:30:00	13:20:00	13:20:00	98.44	98.02	1393:20:00	1393:20:00	83.26	82.62	13.33	31.00	13.33
17	Anavatti	2	2	195	19:35:00	102:45:00	322:20:00	4:35:00	326:55:00	346:30:00	173:15:00	75.68	74.22	567:35:00	283:47:30	97.10	96.46	346.50	97.50	173.25
18	Mudigere	1	1	39	10:35:00	86:55:00	7:25:00	2:50:00	10:15:00	20:50:00	20:50:00	98.47	96.90	241:44:00	241:44:00	98.07	96.98	20.83	39.00	20.83
19	Koppa	1	1	88	10:50:00	110:35:00	9:00:00	3:00:00	12:00:00	22:50:00	22:50:00	98.21	96.60	358:30:00	358:30:00	96.91	95.53	22.83	88.00	22.83
20	Sringeri	1	1	62	9:23:00	292:08:00	3:18:00	2:16:00	5:34:00	14:57:00	14:57:00	99.17	97.78	433:10:00	433:10:00	98.24	94.60	14.95	62.00	14.95
21	N.R.Pura	1	1	97	9:50:00	43:50:00	12:45:00	5:45:00	18:30:00	28:20:00	28:20:00	97.25	95.78	400:45:00	400:45:00	95.55	95.00	28.33	97.00	28.33
22	Kadur	2	2	40	0:00:00	1:30:00	16:34:00	9:07:00	25:41:00	25:41:00	12:50:30	98.09	98.09	450:41:00	225:20:30	97.20	97.19	25.68	20.00	12.84
23	Tharikere	3	3	127	2:45:00	151:35:00	24:10:00	3:50:00	28:00:00	30:45:00	10:15:00	98.61	98.47	557:26:00	185:48:40	98.31	97.68	30.75	42.33	10.25
24	Birur	1	1	44	0:55:00	17:10:00	4:25:00	1:25:00	5:50:00	6:45:00	6:45:00	99.13	99.00	273:45:00	273:45:00	96.80	96.58	6.75	44.00	6.75
	Total	105	105	3685	495:07:00	4547:03:00	1142:32:00	266:30:00	1409:02:00	1904:09:00	18:08:05	98.00	97.30	26177:18:00	249:18:27	97.43	96.89	1904.15	35.10	18.13

MF-11 & MF-15 cable fault from 08.11.21

* 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

FORM-III

RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF FEBRUARY-2022

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	344	11:18:00	125:06:00	66:00:12	24:05:00	90:05:12	101:23:12	11:15:55	98.51	98.32	2180:10:12	242:14:28	97.15	96.98	101.39	38.22	11.27
2	Kavoor	29	29	992	15:12:00	501:05:00	249:14:00	56:14:00	305:28:00	320:40:00	11:03:27	98.43	98.35	6648:54:00	229:16:21	97.36	97.14	320.67	34.21	11.06
3	Puttur	60	60	4642	1257:56:00	10972:33:00	698:01:00	466:57:00	1164:58:00	2422:54:00	40:22:54	97.11	93.99	33526:13:00	558:46:13	95.31	93.03	2422.90	77.37	40.38
4	Bantwal	89	89	6436	483:47:00	6083:07:00	1144:04:00	919:33:00	2063:37:00	2547:24:00	28:37:21	96.55	95.74	36148:14:00	406:09:36	95.79	94.93	2547.40	72.31	28.62
5	Udupi	65	65	2331	147:40:00	2585:24:00	524:08:00	193:41:00	717:49:00	865:29:00	13:18:54	98.36	98.02	22539:58:29	346:46:08	96.17	95.67	865.48	35.86	13.32
6	Kundapura	47	47	1970	647:20:00	3925:42:00	527:13:00	163:39:00	690:52:00	1338:12:00	28:28:20	97.81	95.76	18683:25:10	397:31:10	96.08	95.04	1338.20	41.91	28.47
7	Shivamogga	89	89	5744	129:05:00	1392:20:00	7325:38:00	453:00:00	7778:38:00	7907:43:00	88:51:03	86.99	86.78	70311:03:00	790:00:42	90.34	90.14	7907.72	64.54	88.85
8	Bhadravathi	49	49	3150	130:30:00	2469:53:00	6856:19:00	1155:40:00	8011:59:00	8142:29:00	166:10:23	75.67	75.27	86957:46:00	1774:38:54	78.49	77.86	8142.48	64.29	166.17
9	Sagar	89	89	6344	311:40:00	5662:36:00	11226:40:00	651:55:00	11878:35:00	12190:15:00	136:58:09	80.14	79.62	105691:03:00	1187:32:24	85.98	85.19	12190.25	71.28	136.97
10	Shikaripura	140	140	13565	920:31:00	7614:12:00	45051:34:00	1664:39:00	46716:13:00	47636:44:00	340:15:45	50.34	49.37	512623:15:00	3661:35:41	55.00	54.32	47636.73	96.89	340.26
11	Chikkamagaluru	48	48	4966	159:17:00	2176:14:00	4728:10:00	426:57:00	5155:07:00	5314:24:00	110:43:00	84.02	83.52	56296:23:00	1172:50:29	85.93	85.37	5314.40	103.46	110.72
12	Kadur	193	193	16554	245:55:00	2691:51:00	30228:27:00	1983:48:00	32212:15:00	32458:10:00	168:10:37	75.16	74.97	371708:01:00	1925:56:54	76.15	75.97	32458.17	85.77	168.18
13	Koppa	37	37	4208	332:49:00	4504:43:00	1522:44:00	401:28:00	1924:12:00	2257:01:00	61:00:02	92.26	90.92	30255:48:00	817:43:28	91.32	89.80	2257.02	113.73	61.00
	Total	944	944	71246	4793:00:00	50704:46:00	110148:12:12	8561:36:00	118709:48:12	123502:48:12	130:49:45	81.29	80.53	1353570:13:51	1433:52:00	82.78	82.11	123502.80	75.47	130.83

In kundapura division, Byndoor feeder clubbed with Ganganadu feeder. In Sagara division, Rippenpete and Aduvalli feeders are idle, Kadasuru feeder changed to Auxiliary feeder.

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