

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH APRIL-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-23	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-23	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	89	89	2342	212:14:00	212:14:00	450:54:00	279:30:00	730:24:00	942:38:00	10:35:29	98.86	98.53	942:38:00	10:35:29	98.86	98.53	942.63	26.31	10.59
2	Kavoor	36	36	1293	133:09:00	133:09:00	297:25:00	162:55:00	460:20:00	593:29:00	16:29:08	98.22	97.71	593:29:00	16:29:08	98.22	97.71	593.48	35.92	16.49
3	Udupi	34	34	1432	189:46:00	189:46:00	280:25:00	182:48:00	463:13:00	652:59:00	19:12:19	98.11	97.33	652:59:00	19:12:19	98.11	97.33	652.98	42.12	19.21
4	Shivamogga	42	42	1393	13:07:00	13:07:00	374:22:00	321:57:00	696:19:00	709:26:00	16:53:29	97.70	97.65	709:26:00	16:53:29	97.70	97.65	709.43	33.17	16.89
5	Chikkamagaluru	8	8	281	0:00:00	0:00:00	39:20:00	29:30:00	68:50:00	68:50:00	8:36:15	98.80	98.80	68:50:00	8:36:15	98.80	98.80	68.83	35.13	8.60
Total		209	209	6741	548:16:00	548:16:00	1442:26:00	976:40:00	2419:06:00	2967:22:00	14:11:53	98.39	98.03	2967:22:00	14:11:53	98.39	98.03	2967.37	32.25	14.20

Note: In Shivamogga division, MF-11 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 colums 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-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-23	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-23	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	585	17:44:00	17:44:00	114:58:00	148:51:00	263:49:00	281:33:00	35:11:38	95.42	95.11	281:33:00	35:11:38	95.42	95.11	281.55	73.13	35.19
2	Bantwal	5	5	398	11:14:00	11:14:00	38:05:00	75:55:00	114:00:00	125:14:00	25:02:48	96.83	96.52	125:14:00	25:02:48	96.83	96.52	125.23	79.60	25.05
3	Belthangadi	2	2	165	0:15:00	0:15:00	30:04:00	14:25:00	44:29:00	44:44:00	22:22:00	96.91	96.89	44:44:00	22:22:00	96.91	96.89	44.73	82.50	22.37
4	Puttur	12	12	1110	51:16:00	51:16:00	138:47:00	193:01:00	331:48:00	383:04:00	31:55:20	96.16	95.57	383:04:00	31:55:20	96.16	95.57	383.07	92.50	31.92
5	Kadaba	2	2	314	84:00:00	84:00:00	19:28:00	38:42:00	58:10:00	142:10:00	71:05:00	95.96	90.13	142:10:00	71:05:00	95.96	90.13	142.17	157.00	71.08
6	Sullia	2	2	444	94:10:00	94:10:00	51:20:00	28:35:00	79:55:00	174:05:00	87:02:30	94.45	87.91	174:05:00	87:02:30	94.45	87.91	174.08	222.00	87.04
7	Kapu	3	3	136	28:10:00	28:10:00	17:01:00	16:54:00	33:55:00	62:05:00	20:41:40	98.43	97.13	62:05:00	20:41:40	98.43	97.13	62.08	45.33	20.69
8	Karkala	5	5	242	7:55:00	7:55:00	58:07:00	36:29:00	94:36:00	102:31:00	20:30:12	97.37	97.15	102:31:00	20:30:12	97.37	97.15	102.52	48.40	20.50
9	Kundapura	5	5	169	11:03:00	11:03:00	48:12:00	36:10:00	84:22:00	95:25:00	19:05:00	97.66	97.35	95:25:00	19:05:00	97.66	97.35	95.42	33.80	19.08
10	Bhadravathi	28	28	868	24:25:00	24:25:00	599:57:00	388:21:00	988:18:00	1012:43:00	36:10:06	95.10	94.98	1012:43:00	36:10:06	95.10	94.98	1012.72	31.00	36.17
11	Thirthahalli	3	3	91	10:30:00	10:30:00	10:30:00	6:35:00	17:05:00	27:35:00	9:11:40	99.21	98.72	27:35:00	9:11:40	99.21	98.72	27.58	30.33	9.19
12	Soraba	1	1	98	3:40:00	3:40:00	28:25:00	18:40:00	47:05:00	50:45:00	50:45:00	93.46	92.95	50:45:00	50:45:00	93.46	92.95	50.75	98.00	50.75
13	Hosnagara	1	1	60	21:35:00	21:35:00	16:05:00	11:05:00	27:10:00	48:45:00	48:45:00	96.23	93.23	48:45:00	48:45:00	96.23	93.23	48.75	60.00	48.75
14	Sagar	7	7	295	3:45:00	3:45:00	112:45:00	45:50:00	158:35:00	162:20:00	23:11:26	96.85	96.78	162:20:00	23:11:26	96.85	96.78	162.33	42.14	23.19
15	Jog	3	3	107	11:15:00	11:15:00	78:00:00	31:50:00	109:50:00	121:05:00	40:21:40	94.92	94.39	121:05:00	40:21:40	94.92	94.39	121.08	35.67	40.36
16	Shikaripura	7	7	426	82:55:00	82:55:00	38:40:00	66:10:00	104:50:00	187:45:00	26:49:17	97.92	96.27	187:45:00	26:49:17	97.92	96.27	187.75	60.86	26.82
17	Shiralkoppa	1	1	68	11:00:00	11:00:00	8:00:00	6:45:00	14:45:00	25:45:00	25:45:00	97.95	96.42	25:45:00	25:45:00	97.95	96.42	25.75	68.00	25.75
18	Anavatti	2	2	212	17:45:00	17:45:00	214:25:00	53:10:00	267:35:00	285:20:00	142:40:00	81.42	80.19	285:20:00	142:40:00	81.42	80.19	285.33	106.00	142.67
19	Mudigere	1	1	89	16:25:00	16:25:00	12:10:00	13:25:00	25:35:00	42:00:00	42:00:00	96.45	94.17	42:00:00	42:00:00	96.45	94.17	42.00	89.00	42.00
20	Koppa	1	1	126	13:15:00	13:15:00	18:30:00	10:10:00	28:40:00	41:55:00	41:55:00	96.02	94.18	41:55:00	41:55:00	96.02	94.18	41.92	126.00	41.92
21	Sringeri	1	1	94	17:30:00	17:30:00	12:15:00	2:07:00	14:22:00	31:52:00	31:52:00	98.00	95.57	31:52:00	31:52:00	98.00	95.57	31.87	94.00	31.87
22	N.R.Pura	1	1	196	6:20:00	6:20:00	32:10:00	28:20:00	60:30:00	66:50:00	66:50:00	91.60	90.72	66:50:00	66:50:00	91.60	90.72	66.83	196.00	66.83
23	Kadur	2	2	111	3:00:00	3:00:00	12:22:00	8:57:00	21:19:00	24:19:00	12:09:30	98.52	98.31	24:19:00	12:09:30	98.52	98.31	24.32	55.50	12.16
24	Tharikere	3	3	188	22:40:00	22:40:00	36:45:00	16:05:00	52:50:00	75:30:00	25:10:00	97.55	96.50	75:30:00	25:10:00	97.55	96.50	75.50	62.67	25.17
25	Birur	1	1	71	2:55:00	2:55:00	8:45:00	6:50:00	15:35:00	18:30:00	18:30:00	97.84	97.43	18:30:00	18:30:00	97.84	97.43	18.50	71.00	18.50
	Total	107	107	6663	574:42:00	574:42:00	1755:46:00	1303:22:00	3059:08:00	3633:50:00	33:57:40	96.03	95.28	3633:50:00	33:57:40	96.03	95.28	3633.83	62.27	33.96

* 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 APRIL-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-23	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-23	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	818	27:12:00	27:12:00	147:36:00	135:38:00	283:14:00	310:26:00	34:29:33	95.63	95.21	310:26:00	34:29:33	95.63	95.21	310.43	90.89	34.49
2	Kavoor	29	29	1784	60:33:00	60:33:00	375:55:00	278:29:00	654:24:00	714:57:00	24:39:12	96.87	96.58	714:57:00	24:39:12	96.87	96.58	714.95	61.52	24.65
3	Puttur	61	61	8678	1584:33:00	1584:33:00	959:37:00	1772:31:00	2732:08:00	4316:41:00	70:45:55	93.78	90.17	4316:41:00	70:45:55	93.78	90.17	4316.68	142.26	70.77
4	Bantwal	89	89	8215	655:41:00	655:41:00	1386:32:00	1294:28:00	2681:00:00	3336:41:00	37:29:27	95.82	94.79	3336:41:00	37:29:27	95.82	94.79	3336.68	92.30	37.49
5	Udupi	45	45	2691	284:04:00	284:04:00	686:52:00	506:22:00	1193:14:00	1477:18:00	32:49:44	96.32	95.44	1477:18:00	32:49:44	96.32	95.44	1477.30	59.80	32.83
6	Karkala	28	28	2805	63:41:00	63:41:00	548:44:00	519:51:00	1068:35:00	1132:16:00	40:26:17	94.70	94.38	1132:16:00	40:26:17	94.70	94.38	1132.27	100.18	40.44
7	Kundapura	53	53	4020	350:31:00	350:31:00	986:20:00	966:11:00	1952:31:00	2303:02:00	43:27:12	94.88	93.96	2303:02:00	43:27:12	94.88	93.96	2303.03	75.85	43.45
8	Shivamogga	95	95	9921	272:31:00	272:31:00	5385:18:00	4945:51:00	10331:09:00	10603:40:00	111:37:03	84.90	84.50	10603:40:00	111:37:03	84.90	84.50	10603.67	104.43	111.62
9	Bhadravathi	43	43	4742	293:37:00	293:37:00	6816:34:00	3425:03:00	10241:37:00	10535:14:00	245:00:20	66.92	65.97	10535:14:00	245:00:20	66.92	65.97	10535.23	110.28	245.01
10	Sagar	90	90	9129	738:55:00	738:55:00	9625:30:00	4342:54:00	13968:24:00	14707:19:00	163:24:53	78.44	77.30	14707:19:00	163:24:53	78.44	77.30	14707.32	101.43	163.41
11	Shikaripura	144	144	18134	1689:59:00	1689:59:00	42257:52:00	8038:23:00	50296:15:00	51986:14:00	361:00:56	51.49	49.86	51986:14:00	361:00:56	51.49	49.86	51986.23	125.93	361.02
12	Chikkamagaluru	49	49	7239	439:47:00	439:47:00	4020:46:00	2362:20:00	6383:06:00	6822:53:00	139:14:33	81.91	80.66	6822:53:00	139:14:33	81.91	80.66	6822.88	147.73	139.24
13	Kadur	196	196	21718	574:05:00	574:05:00	32879:12:00	10018:50:00	42898:02:00	43472:07:00	221:47:47	69.60	69.19	43472:07:00	221:47:47	69.60	69.19	43472.12	110.81	221.80
14	Koppa	37	37	5695	397:42:00	397:42:00	1376:30:00	2131:16:00	3507:46:00	3905:28:00	105:33:11	86.83	85.34	3905:28:00	105:33:11	86.83	85.34	3905.47	153.92	105.55
	Total	968	968	105589	7432:51:00	7432:51:00	107453:18:00	40738:07:00	148191:25:00	155624:16:00	160:46:08	78.74	77.67	155624:16:00	160:46:08	78.74	77.67	155624.27	109.08	160.77

. In Sagara division, Rippenpete and Aduvalli feeders are idle, Kadasuru feeder changed to Auxiliary feeder. In Shivamogga division Hosalli NJY feeder cable fault

* Feeder Reliability Index at 11KV feeder Level=([Total No of 11kv Feedersx 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