

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH MAY-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	2040	70:53:00	283:07:00	415:23:00	227:14:00	642:37:00	713:30:00	8:01:01	99.03	98.92	1656:08:00	18:36:30	98.95	98.73	713.50	22.92	8.02
2	Kavoor	36	36	1493	64:48:00	197:57:00	260:13:00	193:46:00	453:59:00	518:47:00	14:24:38	98.31	98.06	1112:16:00	30:53:47	98.27	97.89	518.78	41.47	14.41
3	Udupi	34	34	1681	77:04:00	266:50:00	166:51:00	254:41:00	421:32:00	498:36:00	14:39:53	98.33	98.03	1151:35:00	33:52:12	98.22	97.69	498.60	49.44	14.66
4	Shivamogga	41	41	1341	155:32:00	168:39:00	854:45:00	256:30:00	1111:15:00	1266:47:00	30:53:50	96.36	95.85	1976:13:00	48:12:01	96.99	96.71	1266.78	32.71	30.90
5	Chikkamagaluru	8	8	347	3:00:00	3:00:00	80:30:00	32:55:00	113:25:00	116:25:00	14:33:08	98.09	98.04	185:15:00	23:09:22	98.44	98.42	116.42	43.38	14.55
Total		208	208	6902	371:17:00	919:33:00	1777:42:00	965:06:00	2742:48:00	3114:05:00	14:58:18	98.23	97.99	6081:27:00	29:14:16	98.30	98.00	3114.08	33.18	14.97

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

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

Superintending Engineer(Ele)(Tech)
MESCOM,Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- II

FORM-II

RELIABILITY INDICES FOR TOWN & CITIES IN MESCOM FOR THE MONTH OF MAY-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	590	2:10:00	19:54:00	139:16:00	84:30:00	223:46:00	225:56:00	28:14:30	96.24	96.20	507:29:00	63:26:08	95.84	95.67	225.93	73.75	28.24
2	Bantwal	5	5	441	13:00:00	24:14:00	40:59:00	80:46:00	121:45:00	134:45:00	26:57:00	96.73	96.38	259:59:00	51:59:48	96.78	96.45	134.75	88.20	26.95
3	Belthangadi	2	2	166	0:15:00	0:30:00	30:14:00	14:25:00	44:39:00	44:54:00	22:27:00	97.00	96.98	89:38:00	44:49:00	96.96	96.94	44.90	83.00	22.45
4	Puttur	12	12	1277	20:53:00	72:09:00	238:06:00	268:41:00	506:47:00	527:40:00	43:58:20	94.32	94.09	910:44:00	75:53:40	95.23	94.82	527.67	106.42	43.97
5	Kadaba	2	2	430	104:56:00	188:56:00	26:54:00	37:25:00	64:19:00	169:15:00	84:37:30	95.68	88.63	311:25:00	155:42:30	95.82	89.36	169.25	215.00	84.63
6	Sullia	4	4	677	133:10:00	227:20:00	73:50:00	72:05:00	145:55:00	279:05:00	69:46:15	95.10	90.62	453:10:00	113:17:30	96.14	92.26	279.08	169.25	69.77
7	Karkala	5	5	211	0:09:00	28:19:00	18:00:00	28:31:00	46:31:00	46:40:00	9:20:00	98.75	98.75	108:45:00	21:45:00	98.90	98.51	46.67	42.20	9.33
8	Kaup	3	3	345	51:24:00	59:19:00	23:28:00	46:15:00	69:43:00	121:07:00	40:22:20	96.88	94.57	223:38:00	74:32:40	96.26	94.91	121.12	115.00	40.37
9	Kundapura	5	5	290	6:15:00	17:18:00	101:54:00	52:11:00	154:05:00	160:20:00	32:04:00	95.86	95.69	255:45:00	51:09:00	96.74	96.51	160.33	58.00	32.07
10	Bhadravathi	28	28	939	57:45:00	82:10:00	350:20:00	171:38:00	521:58:00	579:43:00	20:42:15	97.49	97.22	1592:26:00	56:52:21	96.32	96.12	579.72	33.54	20.70
11	Thirthahalli	3	3	81	0:30:00	11:00:00	11:45:00	14:50:00	26:35:00	27:05:00	9:01:40	98.81	98.79	54:40:00	18:13:20	99.01	98.76	27.08	27.00	9.03
12	Soraba	1	1	91	2:05:00	5:45:00	37:45:00	7:00:00	44:45:00	46:50:00	46:50:00	93.99	93.71	97:35:00	97:35:00	93.73	93.33	46.83	91.00	46.83
13	Hosnagara	1	1	75	38:55:00	60:30:00	13:55:00	5:55:00	19:50:00	58:45:00	58:45:00	97.33	92.10	107:30:00	107:30:00	96.79	92.66	58.75	75.00	58.75
14	Sagar	7	7	345	24:00:00	27:45:00	97:50:00	76:20:00	174:10:00	198:10:00	28:18:34	96.66	96.19	360:30:00	51:30:00	96.75	96.48	198.17	49.29	28.31
15	Jog	3	3	101	15:30:00	26:45:00	15:40:00	18:10:00	33:50:00	49:20:00	16:26:40	98.48	97.79	170:25:00	56:48:20	96.73	96.12	49.33	33.67	16.44
16	Shikaripura	7	7	308	29:50:00	112:45:00	64:35:00	73:30:00	138:05:00	167:55:00	23:59:17	97.35	96.78	355:40:00	50:48:34	97.63	96.53	167.92	44.00	23.99
17	Shirkoppa	1	1	94	2:10:00	13:10:00	24:10:00	13:35:00	37:45:00	39:55:00	39:55:00	94.93	94.63	65:40:00	65:40:00	96.41	95.51	39.92	94.00	39.92
18	Anavatti	2	2	239	18:20:00	36:05:00	106:25:00	55:55:00	162:20:00	180:40:00	90:20:00	89.09	87.86	466:00:00	233:00:00	85.32	84.08	180.67	119.50	90.33
19	Mudigere	1	1	118	18:40:00	35:05:00	17:25:00	16:30:00	33:55:00	52:35:00	52:35:00	95.44	92.93	94:35:00	94:35:00	95.94	93.54	52.58	118.00	52.58
20	Koppa	1	1	116	12:35:00	25:50:00	17:10:00	15:10:00	32:20:00	44:55:00	44:55:00	95.65	93.96	86:50:00	86:50:00	95.83	94.07	44.92	116.00	44.92
21	Sringeri	1	1	112	51:30:00	69:00:00	7:15:00	4:46:00	12:01:00	63:31:00	63:31:00	98.38	91.46	95:23:00	95:23:00	98.20	93.48	63.52	112.00	63.52
22	N.R.Pura	1	1	213	2:45:00	9:05:00	32:10:00	29:55:00	62:05:00	64:50:00	64:50:00	91.66	91.29	131:40:00	131:40:00	91.63	91.01	64.83	213.00	64.83
23	Kadur	2	2	157	0:00:00	3:00:00	17:10:00	19:15:00	36:25:00	36:25:00	18:12:30	97.55	97.55	60:44:00	30:22:00	98.03	97.93	36.42	78.50	18.21
24	Tharikere	3	3	202	0:50:00	23:30:00	68:25:00	14:05:00	82:30:00	83:20:00	27:46:40	96.30	96.27	158:50:00	52:56:40	96.92	96.38	83.33	67.33	27.78
25	Birur	1	1	59	0:40:00	3:35:00	15:40:00	7:10:00	22:50:00	23:30:00	23:30:00	96.93	96.84	42:00:00	42:00:00	97.38	97.13	23.50	59.00	23.50
	Total	109	109	7677	608:17:00	1182:59:00	1590:21:00	1228:33:00	2818:54:00	3427:11:00	31:26:31	96.52	95.77	7061:01:00	64:46:48	96.32	95.58	3427.18	70.43	31.44

* 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 MAY-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	812	18:45:00	45:57:00	103:51:00	86:02:00	189:53:00	208:38:00	23:10:53	97.16	96.88	519:04:00	57:40:27	96.41	96.06	208.63	90.22	23.18
2	Kavoor	29	29	2027	16:10:00	76:43:00	270:00:00	315:09:00	585:09:00	601:19:00	20:44:06	97.29	97.21	1316:16:00	45:23:19	97.08	96.90	601.32	69.90	20.74
3	Puttur	61	61	10936	1527:04:00	3111:37:00	1073:08:00	2236:23:00	3309:31:00	4836:35:00	79:17:18	92.71	89.34	9153:16:00	150:03:13	93.23	89.75	4836.58	179.28	79.29
4	Bantwal	89	89	8535	660:36:00	1316:17:00	1425:35:00	1355:02:00	2780:37:00	3441:13:00	38:39:55	95.80	94.80	6777:54:00	76:09:22	95.81	94.80	3441.22	95.90	38.67
5	Udupi	45	45	3313	94:59:00	379:03:00	451:02:00	823:36:00	1274:38:00	1369:37:00	30:26:09	96.19	95.91	2846:55:00	63:15:53	96.25	95.68	1369.62	73.62	30.44
6	Karkala	28	28	2688	136:04:00	199:45:00	450:49:00	591:36:00	1042:25:00	1178:29:00	42:05:19	95.00	94.34	2310:45:00	82:31:36	94.85	94.36	1178.48	96.00	42.09
7	Kundapura	55	55	4456	311:49:00	662:20:00	992:04:00	1081:47:00	2073:51:00	2385:40:00	43:22:33	94.93	94.17	4688:42:00	85:14:57	95.00	94.18	2385.67	81.02	43.38
8	Shivamogga	95	95	9296	227:38:00	500:09:00	5020:23:00	4623:56:00	9644:19:00	9871:57:00	103:54:55	86.35	86.03	20475:37:00	215:31:58	85.64	85.28	9871.95	97.85	103.92
9	Bhadravathi	43	43	4627	195:48:00	489:25:00	7457:27:00	4144:37:00	11602:04:00	11797:52:00	274:22:08	63.73	63.12	22333:06:00	519:22:28	65.30	64.52	11797.87	107.60	274.37
10	Sagar	92	89	9044	1052:45:00	1791:40:00	7078:40:00	5877:55:00	12956:35:00	14009:20:00	152:16:31	81.07	79.53	28716:39:00	312:08:15	80.01	78.68	14009.33	98.30	152.28
11	Shikaripura	145	145	16988	873:00:00	2562:59:00	40294:27:00	12061:02:00	52355:29:00	53228:29:00	367:05:35	51.47	50.66	105214:43:00	725:37:07	51.64	50.44	53228.48	117.16	367.09
12	Chikkamagaluru	49	49	7634	572:43:00	1012:30:00	4195:49:00	2687:01:00	6882:50:00	7455:33:00	152:09:15	81.12	79.55	14278:26:00	291:23:48	81.51	80.10	7455.55	155.80	152.15
13	Kadur	196	196	21881	394:45:00	968:50:00	30977:00:00	13683:30:00	44660:30:00	45055:15:00	229:52:25	69.37	69.10	88527:22:00	451:40:13	69.49	69.15	45055.25	111.64	229.87
14	Koppa	37	37	5305	745:17:00	1142:59:00	1437:41:00	1680:40:00	3118:21:00	3863:38:00	104:25:21	88.67	85.96	7769:06:00	209:58:32	87.77	85.66	3863.63	143.38	104.42
	Total	973	970	107542	6827:23:00	14260:14:00	101227:56:00	51248:16:00	152476:12:00	159303:35:00	163:43:27	78.94	77.99	314927:51:00	323:40:01	78.89	77.89	159303.58	110.53	163.72

. 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