

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH JANUARY-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	1359	39:20:00	720:55:00	388:22:00	63:10:00	451:32:00	490:52:00	6:03:36	99.25	99.19	6737:45:00	83:10:56	98.99	98.87	490.87	16.78	6.06
2	Kavoor	36	36	623	172:20:00	1642:42:00	170:44:00	35:05:00	205:49:00	378:09:00	10:30:15	99.23	98.59	5663:35:00	157:19:18	98.48	97.86	378.15	17.31	10.50
3	Udupi	33	33	603	4:39:00	919:38:00	92:52:00	46:20:00	139:12:00	143:51:00	4:21:33	99.43	99.41	4723:13:00	143:07:40	98.43	98.05	143.85	18.27	4.36
4	Shivamogga	41	41	648	2:55:00	138:10:00	415:39:00	36:15:00	451:54:00	454:49:00	11:05:35	98.52	98.51	5921:51:00	144:26:07	98.08	98.03	454.82	15.80	11.09
5	Chikkamagaluru	8	8	211	13:48:00	25:46:00	41:27:00	14:05:00	55:32:00	69:20:00	8:40:00	99.07	98.84	808:09:00	101:01:07	98.67	98.62	69.33	26.38	8.67
	Total	199	199	3444	233:02:00	3447:11:00	1109:04:00	194:55:00	1303:59:00	1537:01:00	7:43:25	99.12	98.96	23854:33:00	119:52:20	98.60	98.37	1537.02	17.31	7.72

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 JANUARY-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	286	0:00:00	116:21:00	114:03:00	19:55:00	133:58:00	133:58:00	16:44:45	97.75	97.75	2060:49:00	257:36:08	96.69	96.49	133.97	35.75	16.75
2	Bantwal	5	5	382	11:22:00	121:48:00	38:08:00	59:24:00	97:32:00	108:54:00	21:46:48	97.38	97.07	1166:34:00	233:18:48	97.15	96.82	108.90	76.40	21.78
3	Belthangadi	2	2	158	0:15:00	53:05:00	25:46:00	13:05:00	38:51:00	39:06:00	19:33:00	97.39	97.37	445:20:00	222:40:00	97.33	96.97	39.10	79.00	19.55
4	Puttur	12	12	517	86:48:00	236:09:00	96:28:00	35:06:00	131:34:00	218:22:00	18:11:50	98.53	97.55	2772:13:00	231:01:05	97.12	96.85	218.37	43.08	18.20
5	Kadaba	2	2	117	45:28:00	506:16:00	10:04:00	5:14:00	15:18:00	60:46:00	30:23:00	98.97	95.92	1100:47:00	550:23:30	95.95	92.51	60.77	58.50	30.38
6	Sullia	2	2	345	76:30:00	758:40:00	25:10:00	7:55:00	33:05:00	109:35:00	54:47:30	97.78	92.64	1395:15:00	697:37:30	95.67	90.50	109.58	172.50	54.79
7	Karkala	8	8	186	40:10:00	529:05:00	34:57:00	11:12:00	46:09:00	86:19:00	10:47:22	99.22	98.55	2125:52:00	265:44:00	97.28	96.38	86.32	23.25	10.79
8	Kundapura	3	3	86	2:27:00	168:12:00	12:39:00	4:38:00	17:17:00	19:44:00	6:34:40	99.23	99.12	625:05:00	208:21:40	97.93	97.16	19.73	28.67	6.58
9	Bhadravathi	28	28	576	24:30:00	278:25:00	306:22:00	44:58:00	351:20:00	375:50:00	13:25:21	98.31	98.20	3187:11:00	113:49:41	98.59	98.45	375.83	20.57	13.42
10	Thirthahalli	3	3	48	1:00:00	21:45:00	5:40:00	1:50:00	7:30:00	8:30:00	2:50:00	99.66	99.62	196:25:00	65:28:20	99.21	99.11	8.50	16.00	2.83
11	Soraba	1	1	35	4:15:00	19:05:00	11:35:00	0:30:00	12:05:00	16:20:00	16:20:00	98.38	97.80	327:00:00	327:00:00	95.81	95.55	16.33	35.00	16.33
12	Hosnagara	1	1	73	20:25:00	244:40:00	9:35:00	17:35:00	27:10:00	47:35:00	47:35:00	96.35	93.60	639:20:00	639:20:00	94.63	91.29	47.58	73.00	47.58
13	Sagar	7	7	218	0:00:00	25:35:00	121:20:00	96:40:00	218:00:00	218:00:00	31:08:34	95.81	95.81	1796:45:00	256:40:43	96.55	96.50	218.00	31.14	31.14
14	Jog	3	3	31	0:00:00	16:45:00	40:30:00	18:55:00	59:25:00	59:25:00	19:48:20	97.34	97.34	522:10:00	174:03:20	97.71	97.63	59.42	10.33	19.81
15	Shikaripura	7	7	153	3:05:00	164:45:00	53:55:00	11:20:00	65:15:00	68:20:00	9:45:43	98.75	98.69	1745:25:00	249:20:43	96.93	96.60	68.33	21.86	9.76
16	Shiralkoppa	1	1	53	1:45:00	48:45:00	16:10:00	1:20:00	17:30:00	19:15:00	19:15:00	97.65	97.41	1380:00:00	1380:00:00	81.87	81.21	19.25	53.00	19.25
17	Anavatti	2	2	106	34:55:00	83:10:00	36:25:00	1:45:00	38:10:00	73:05:00	36:32:30	97.44	95.09	221:05:00	110:32:30	99.06	98.49	73.08	53.00	36.54
18	Mudigere	1	1	23	10:00:00	76:20:00	5:18:00	0:45:00	6:03:00	16:03:00	16:03:00	99.19	97.84	220:54:00	220:54:00	98.03	96.99	16.05	23.00	16.05
19	Koppa	1	1	73	16:35:00	99:45:00	7:30:00	3:10:00	10:40:00	27:15:00	27:15:00	98.57	96.34	335:40:00	335:40:00	96.79	95.43	27.25	73.00	27.25
20	Sringeri	1	1	43	10:10:00	282:45:00	3:05:00	7:55:00	11:00:00	21:10:00	21:10:00	98.52	97.16	418:13:00	418:13:00	98.16	94.31	21.17	43.00	21.17
21	N.R.Pura	1	1	115	2:55:00	34:00:00	24:55:00	4:55:00	29:50:00	32:45:00	32:45:00	95.99	95.60	372:25:00	372:25:00	95.39	94.93	32.75	115.00	32.75
22	Kadur	2	2	104	0:00:00	1:30:00	3:00:00	28:54:00	31:54:00	31:54:00	15:57:00	97.86	97.86	425:00:00	212:30:00	97.12	97.11	31.90	52.00	15.95
23	Tharikere	3	3	112	46:25:00	148:50:00	24:15:00	4:50:00	29:05:00	75:30:00	25:10:00	98.70	96.62	526:41:00	175:33:40	98.28	97.61	75.50	37.33	25.17
24	Birur	1	1	50	2:15:00	16:15:00	29:40:00	4:25:00	34:05:00	36:20:00	36:20:00	95.42	95.12	267:00:00	267:00:00	96.59	96.36	36.33	50.00	36.33
	Total	105	105	3890	441:15:00	4051:56:00	1056:30:00	406:16:00	1462:46:00	1904:01:00	18:08:01	98.13	97.56	24273:09:00	231:10:22	97.38	96.85	1904.02	37.05	18.13

At Shivamogga division MF-11 durgigudi & MF-15 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= $\left[\frac{\text{[Total No. of feeders} \times 24 \text{ Hrs} \times \text{No. of days in the month}] - \text{[Sum of outage duration including outage in higher voltages along with 11 kv Outage during the month in hrs as in column 9]}}{\text{Total No. of Feeders} \times 24 \text{ hrs} \times \text{No. of days in the month}} \right] \times 100 /$

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 JANUARY-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	402	9:13:00	113:48:00	89:28:00	23:46:00	113:14:00	122:27:00	13:36:20	98.31	98.17	2078:47:00	230:58:33	97.03	96.85	122.45	44.67	13.61
2	Kavoor	29	29	856	0:12:00	485:53:00	164:59:00	59:40:00	224:39:00	224:51:00	7:45:12	98.96	98.96	6328:14:00	218:12:54	97.26	97.03	224.85	29.52	7.75
3	Puttur	60	60	5050	888:04:00	9714:37:00	816:56:00	423:46:00	1240:42:00	2128:46:00	35:28:46	97.22	95.23	31103:19:00	518:23:19	95.15	92.94	2128.77	84.17	35.48
4	Bantwal	87	87	6986	493:02:00	5599:20:00	1260:39:00	1013:58:00	2274:37:00	2767:39:00	31:48:43	96.49	95.72	33600:50:00	386:12:59	95.62	94.74	2767.65	80.30	31.81
5	Udupi	65	65	2327	182:01:00	2437:44:00	513:47:00	177:39:00	691:26:00	873:27:00	13:26:16	98.57	98.19	21674:29:29	333:27:13	95.97	95.46	873.45	35.80	13.44
6	Kundapura	47	47	2313	182:39:00	3278:22:00	641:22:00	294:09:00	935:31:00	1118:10:00	23:47:27	97.32	96.80	17345:13:10	369:02:50	95.92	94.97	1118.17	49.21	23.79
7	Shivamogga	79	79	6179	135:52:00	1263:15:00	5595:20:00	694:51:00	6290:11:00	6426:03:00	81:20:33	89.30	89.07	62403:20:00	789:54:56	89.46	89.24	6426.05	78.22	81.34
8	Bhadravathi	40	40	3099	220:59:00	2339:23:00	6357:22:00	1073:31:00	7430:53:00	7651:52:00	191:17:48	75.03	74.29	78815:17:00	1970:22:55	73.97	73.17	7651.87	77.48	191.30
9	Sagar	89	89	6564	356:10:00	5350:56:00	11331:47:00	855:35:00	12187:22:00	12543:32:00	140:56:19	81.59	81.06	93500:48:00	1050:34:15	86.51	85.69	12543.53	73.75	140.94
10	Shikaripura	139	139	13224	1032:52:00	6693:41:00	50605:04:00	1814:53:00	52419:57:00	53452:49:00	384:33:09	49.31	48.31	464986:31:00	3345:13:36	55.11	54.45	53452.82	95.14	384.55
11	Chikkamagaluru	48	48	4856	236:24:00	2016:57:00	5522:37:00	471:18:00	5993:55:00	6230:19:00	129:47:54	83.22	82.55	50981:59:00	1062:07:29	86.11	85.54	6230.32	101.17	129.80
12	Kadur	192	192	18914	427:36:00	2445:56:00	32495:40:00	3400:05:00	35895:45:00	36323:21:00	189:11:03	74.87	74.57	339249:51:00	1766:55:35	76.11	75.94	36323.35	98.51	189.18
13	Koppa	37	37	3529	340:05:00	4171:54:00	657:45:00	333:31:00	991:16:00	1331:21:00	35:58:57	96.40	95.16	27998:47:00	756:43:26	91.23	89.70	1331.35	95.38	35.98
	Total	921	921	74299	4505:09:00	45911:46:00	116052:46:00	10636:42:00	126689:28:00	131194:37:00	142:26:53	81.51	80.85	1230067:25:39	1335:34:41	82.49	81.81	131194.62	80.67	142.45

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=([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