

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH MAY-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	2792	40:57:00	159:48:00	415:10:00	389:07:00	804:17:00	845:14:00	10:33:55	98.65	98.58	1616:42:00	20:12:32	99.79	99.77	845.23	34.90	10.57
2	Kavoor	36	36	1437	30:24:00	508:37:00	390:17:00	204:57:00	595:14:00	625:38:00	17:22:43	97.78	97.66	1645:59:00	45:43:18	99.64	99.48	625.63	39.92	17.38
3	Udupi	34	34	1953	62:35:00	146:32:00	237:47:00	372:42:00	610:29:00	673:04:00	19:47:46	97.59	97.34	1230:39:00	36:11:44	99.64	99.59	673.07	57.44	19.80
4	Shivamogga	39	39	1213	1:10:00	37:50:00	255:23:00	171:50:00	427:13:00	428:23:00	10:59:03	98.53	98.52	931:50:00	23:53:35	99.74	99.73	428.38	31.10	10.98
5	Chikkamagaluru	8	8	382	1:00:00	1:00:00	105:00:00	32:52:00	137:52:00	138:52:00	17:21:30	97.68	97.67	190:23:00	23:47:53	99.73	99.73	138.87	47.75	17.36
	Total	197	197	7777	136:06:00	853:47:00	1403:37:00	1171:28:00	2575:05:00	2711:11:00	13:45:44	98.24	98.15	5615:33:00	28:30:19	99.72	99.67	2711.18	39.48	13.76

In Shivamogga out of 42 feeders load of 3 feeders were shifted to other feeders due to cable fault. Hence, total No. of feeders considered as 39.

* Feeder Reliability Index at 11KV feeder Level= $\left[\frac{\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month}}{\text{[outage duration of all 11kv feeders during the month in Hrs as in colums 8]}} \right] \times 100 / [\text{Total No of 11kv Feeders} \times 24 \text{Hrs} \times \text{No. of days in the Month}]$

The cumulative figures shall indicate the data from April to the current month of the financial year.

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

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 MAY-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	592	7:29:00	8:53:00	135:03:00	197:56:00	332:59:00	340:28:00	42:33:30	94.41	94.28	574:50:00	71:51:15	99.19	99.18	340.47	74.00	42.56
2	Bantwal	5	5	405	12:34:00	22:28:00	31:48:00	75:04:00	106:52:00	119:26:00	23:53:12	97.13	96.79	260:50:00	52:10:00	99.46	99.40	119.43	81.00	23.89
3	Belthangadi	2	2	139	0:20:00	0:20:00	6:41:00	11:00:00	17:41:00	18:01:00	9:00:30	98.81	98.79	70:15:00	35:07:30	99.60	99.60	18.02	69.50	9.01
4	Puttur	12	12	1625	21:12:00	43:51:00	209:18:00	340:12:00	549:30:00	570:42:00	47:33:30	93.85	93.61	837:14:00	69:46:10	99.25	99.20	570.70	135.42	47.56
5	Kadaba	2	2	385	84:34:00	148:38:00	33:33:00	71:02:00	104:35:00	189:09:00	94:34:30	92.97	87.29	306:10:00	153:05:00	99.10	98.25	189.15	192.50	94.58
6	Sullia	2	2	531	97:40:00	178:30:00	51:55:00	40:00:00	91:55:00	189:35:00	94:47:30	93.82	87.26	331:35:00	165:47:30	99.13	98.11	189.58	265.50	94.79
7	Karkala	7	7	823	9:51:00	15:26:00	117:22:00	164:56:00	282:18:00	292:09:00	41:44:09	94.58	94.39	399:48:00	57:06:51	99.37	99.35	292.15	117.57	41.74
8	Kundapura	3	3	223	4:42:00	46:42:00	28:09:00	56:11:00	84:20:00	89:02:00	29:40:40	96.22	96.01	168:14:00	56:04:40	99.54	99.36	89.03	74.33	29.68
9	Bhadravathi	27	27	781	14:40:00	34:05:00	135:41:00	121:50:00	257:31:00	272:11:00	10:04:51	98.72	98.65	734:42:00	27:12:40	99.70	99.69	272.18	28.93	10.08
10	Thirthahalli	4	4	121	7:40:00	9:55:00	16:20:00	10:35:00	26:55:00	34:35:00	8:38:45	99.10	98.84	60:30:00	15:07:30	99.86	99.83	34.58	30.25	8.65
11	Soraba	1	1	70	1:05:00	3:20:00	20:45:00	14:15:00	35:00:00	36:05:00	36:05:00	95.30	95.15	76:50:00	76:50:00	99.16	99.12	36.08	70.00	36.08
12	Hosnagara	1	1	64	27:40:00	73:40:00	15:55:00	20:50:00	36:45:00	64:25:00	64:25:00	95.06	91.34	138:45:00	138:45:00	99.26	98.42	64.42	64.00	64.42
13	Sagar	6	6	435	2:40:00	6:20:00	147:15:00	109:25:00	256:40:00	259:20:00	43:13:20	94.25	94.19	403:55:00	67:19:10	99.24	99.23	259.33	72.50	43.22
14	Jog	3	3	62	2:30:00	6:15:00	18:25:00	29:05:00	47:30:00	50:00:00	16:40:00	97.87	97.76	98:30:00	32:50:00	99.65	99.63	50.00	20.67	16.67
15	Shikaripura	8	8	412	7:20:00	20:55:00	510:30:00	167:30:00	678:00:00	685:20:00	85:40:00	88.61	88.49	903:50:00	112:58:45	98.74	98.71	685.33	51.50	85.67
16	Shiralkoppa	1	1	88	1:50:00	15:30:00	12:25:00	8:50:00	21:15:00	23:05:00	23:05:00	97.14	96.90	53:35:00	53:35:00	99.57	99.39	23.08	88.00	23.08
17	Mudigere	1	1	79	1:40:00	12:35:00	16:45:00	5:33:00	22:18:00	23:58:00	23:58:00	97.00	96.78	50:53:00	50:53:00	99.56	99.42	23.97	79.00	23.97
18	Koppa	1	1	117	8:05:00	15:40:00	15:50:00	11:50:00	27:40:00	35:45:00	35:45:00	96.28	95.19	70:35:00	70:35:00	99.37	99.19	35.75	117.00	35.75
19	Sringeri	1	1	108	26:25:00	79:35:00	9:05:00	5:40:00	14:45:00	41:10:00	41:10:00	98.02	94.47	119:30:00	119:30:00	99.54	98.64	41.17	108.00	41.17
20	N.R.Pura	1	1	194	2:00:00	3:40:00	17:05:00	22:25:00	39:30:00	41:30:00	41:30:00	94.69	94.42	83:55:00	83:55:00	99.08	99.04	41.50	194.00	41.50
21	Kadur	2	2	231	0:00:00	0:50:00	37:34:00	28:07:00	65:41:00	65:41:00	32:50:30	95.59	95.59	125:21:00	62:40:30	99.29	99.28	65.68	115.50	32.84
22	Tharikere	2	2	145	0:20:00	26:50:00	23:00:00	15:10:00	38:10:00	38:30:00	19:15:00	97.44	97.41	101:45:00	50:52:30	99.57	99.42	38.50	72.50	19.25
23	Birur	2	2	131	0:00:00	5:30:00	22:00:00	22:30:00	44:30:00	44:30:00	22:15:00	97.01	97.01	77:40:00	38:50:00	99.59	99.56	44.50	65.50	22.25
	Total	102	102	7761	342:17:00	779:28:00	1632:24:00	1549:56:00	3182:20:00	3524:37:00	34:33:18	95.81	95.36	6049:12:00	59:18:21	99.41	99.32	3524.62	76.09	34.56

* 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 MAY-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	1025	12:29:00	27:24:00	127:36:00	187:31:00	315:07:00	327:36:00	36:24:00	95.29	95.11	585:44:00	65:04:53	99.29	99.26	327.60	113.89	36.40
2	Kavoor	29	29	2150	23:56:00	48:03:00	281:00:00	359:49:00	640:49:00	664:45:00	22:55:21	97.03	96.92	2047:16:00	70:35:43	99.21	99.19	664.75	74.14	22.92
3	Puttur	54	54	11113	1504:04:00	2584:38:00	1448:00:00	1942:41:00	3390:41:00	4894:45:00	90:38:37	91.56	87.82	8301:13:00	153:43:34	98.79	98.25	4894.75	205.80	90.64
4	Bantwal	87	87	8051	621:33:00	1164:51:00	1548:26:00	1732:38:00	3281:04:00	3902:37:00	44:51:28	94.93	93.97	6848:10:00	78:42:52	99.25	99.10	3902.62	92.54	44.86
5	Udupi	61	61	6411	130:40:00	463:37:00	1278:33:00	1810:41:00	3089:14:00	3219:54:00	52:47:07	93.19	92.91	6008:22:00	98:29:52	98.96	98.88	3219.90	105.10	52.79
6	Kundapura	47	47	5223	218:10:00	797:22:00	862:20:00	1197:36:00	2059:56:00	2278:06:00	48:28:13	94.11	93.49	4197:37:00	89:18:40	99.17	98.98	2278.10	111.13	48.47
7	Shivamogga	77	77	9276	128:15:00	297:44:00	4843:55:00	2572:19:00	7416:14:00	7544:29:00	97:58:49	87.05	86.83	15605:12:00	202:39:54	97.73	97.69	7544.48	120.47	97.98
8	Bhadravathi	39	39	5034	244:37:00	695:07:00	4533:16:00	2571:02:00	7104:18:00	7348:55:00	188:26:02	75.52	74.67	14038:11:00	359:57:12	96.09	95.89	7348.92	129.08	188.43
9	Sagar	81	81	7497	877:10:00	1541:10:00	5622:45:00	4255:50:00	9878:35:00	10755:45:00	132:47:13	83.61	82.15	22746:50:00	280:49:30	97.01	96.79	10755.75	92.56	132.79
10	Shikaripura	139	139	14701	431:33:00	1138:22:00	36834:09:00	9492:35:00	46326:44:00	46758:17:00	336:23:26	55.20	54.79	94567:55:00	680:20:41	92.33	92.23	46758.28	105.76	336.39
11	Chikkamagaluru	48	48	7125	239:55:00	579:52:00	4198:17:00	2070:19:00	6268:36:00	6508:31:00	135:35:39	82.45	81.77	13493:44:00	281:07:10	96.93	96.79	6508.52	148.44	135.59
12	Kadur	181	181	20971	67:45:00	392:20:00	26156:08:00	7351:01:00	33507:09:00	33574:54:00	185:29:48	75.12	75.07	68271:59:00	377:11:36	95.72	95.69	33574.90	115.86	185.50
13	Koppa	36	36	5665	450:10:00	995:17:00	2100:19:00	1531:17:00	3631:36:00	4081:46:00	113:22:57	86.44	84.76	8753:07:00	243:08:32	97.54	97.22	4081.77	157.36	113.38
	Total	888	888	104242	4950:17:00	10725:47:00	89834:44:00	37075:19:00	126910:03:00	131860:20:00	148:29:29	80.79	80.04	265465:20:00	298:56:51	96.73	96.59	131860.33	117.39	148.49

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

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

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