

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH AUGUST-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	1641	18:47:00	307:30:00	353:14:00	134:38:00	487:52:00	506:39:00	6:19:59	99.18	99.15	3630:07:00	45:22:35	98.87	98.76	506.65	20.51	6.33
2	Kavoor	36	36	1031	54:38:00	771:31:00	327:38:00	91:51:00	419:29:00	474:07:00	13:10:12	98.43	98.23	3265:12:00	90:42:00	98.11	97.53	474.12	28.64	13.17
3	Udupi	33	33	1181	36:40:00	386:27:00	121:26:00	142:08:00	263:34:00	300:14:00	9:05:53	98.93	98.78	2739:55:00	83:01:40	98.06	97.74	300.23	35.79	9.10
4	Shivamogga	41	41	1170	9:20:00	48:55:00	613:37:00	90:44:00	704:21:00	713:41:00	17:24:25	97.69	97.66	2709:06:00	66:04:32	98.23	98.20	713.68	28.54	17.41
5	Chikkamagaluru	8	8	226	3:38:00	4:38:00	33:05:00	21:10:00	54:15:00	57:53:00	7:14:08	99.09	99.03	443:23:00	55:25:23	98.51	98.49	57.88	28.25	7.24
	Total	198	198	5249	123:03:00	1519:01:00	1449:00:00	480:31:00	1929:31:00	2052:34:00	10:21:59	98.69	98.61	12787:43:00	64:35:04	98.45	98.24	2052.57	26.51	10.37

In Shivamogga out of 42 feeders load of 1 feeder was shifted to other feeder due to cable fault.

* 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- II

FORM-II

RELIABILITY INDICES FOR TOWN & CITIES IN MESCOM FOR THE MONTH OF AUGUST-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	395	14:20:00	61:37:00	88:44:00	40:21:00	129:05:00	143:25:00	17:55:38	97.83	97.59	1398:04:00	174:45:30	95.45	95.24	143.42	49.38	17.93
2	Bantwal	5	5	380	10:14:00	57:50:00	29:35:00	72:55:00	102:30:00	112:44:00	22:32:48	97.24	96.97	611:09:00	122:13:48	96.99	96.67	112.73	76.00	22.55
3	Belthangadi	2	2	215	7:26:00	22:08:00	21:39:00	23:26:00	45:05:00	52:31:00	26:15:30	96.97	96.47	227:42:00	113:51:00	97.20	96.90	52.52	107.50	26.26
4	Puttur	12	12	704	0:24:00	64:17:00	84:20:00	62:16:00	146:36:00	147:00:00	12:15:00	98.36	98.35	1636:27:00	136:22:15	96.43	96.29	147.00	58.67	12.25
5	Kadaba	2	2	132	59:04:00	316:26:00	20:02:00	22:07:00	42:09:00	101:13:00	50:36:30	97.17	93.20	701:13:00	350:36:30	94.76	90.45	101.22	66.00	50.61
6	Sullia	2	2	344	63:30:00	377:50:00	40:55:00	37:20:00	78:15:00	141:45:00	70:52:30	94.74	90.47	765:10:00	382:35:00	94.73	89.58	141.75	172.00	70.88
7	Karkala	8	8	644	31:20:00	229:31:00	75:27:00	62:18:00	137:45:00	169:05:00	21:08:07	97.69	97.16	1248:54:00	156:06:45	96.53	95.75	169.08	80.50	21.14
8	Kundapura	3	3	147	0:39:00	75:33:00	24:06:00	15:06:00	39:12:00	39:51:00	13:17:00	98.24	98.21	371:14:00	123:44:40	97.32	96.63	39.85	49.00	13.28
9	Bhadravathi	27	27	593	47:15:00	96:30:00	143:37:00	57:58:00	201:35:00	248:50:00	9:12:58	99.00	98.76	1390:09:00	51:29:13	98.70	98.60	248.83	21.96	9.22
10	Thirthahalli	3	3	53	0:00:00	10:15:00	7:55:00	2:55:00	10:50:00	10:50:00	3:36:40	99.51	99.51	132:20:00	44:06:40	98.89	98.80	10.83	17.67	3.61
11	Soraba	1	1	61	1:35:00	7:30:00	30:25:00	3:15:00	33:40:00	35:15:00	35:15:00	95.47	95.26	192:35:00	192:35:00	94.96	94.76	35.25	61.00	35.25
12	Hosnagara	1	1	49	37:05:00	177:05:00	12:30:00	2:55:00	15:25:00	52:30:00	52:30:00	97.93	92.94	460:20:00	460:20:00	92.29	87.46	52.50	49.00	52.50
13	Sagar	6	6	269	2:10:00	16:20:00	54:30:00	43:55:00	98:25:00	100:35:00	16:45:50	97.80	97.75	887:05:00	147:50:50	96.05	95.97	100.58	44.83	16.76
14	Jog	3	3	44	0:00:00	11:45:00	11:35:00	7:00:00	18:35:00	18:35:00	6:11:40	99.17	99.17	269:50:00	89:56:40	97.66	97.55	18.58	14.67	6.19
15	Shikaripura	7	7	289	13:05:00	57:05:00	82:40:00	42:00:00	124:40:00	137:45:00	19:40:43	97.61	97.36	1303:05:00	186:09:17	95.15	94.93	137.75	41.29	19.68
16	Shiralkoppa	1	1	74	5:00:00	31:00:00	8:40:00	4:25:00	13:05:00	18:05:00	18:05:00	98.24	97.57	124:20:00	124:20:00	97.46	96.61	18.08	74.00	18.08
17	Anavatti	1	1	47	8:55:00	8:55:00	15:30:00	2:55:00	18:25:00	27:20:00	27:20:00	97.52	96.33	27:20:00	27:20:00	99.50	99.26	27.33	47.00	27.33
18	Mudigere	1	1	55	9:04:00	22:19:00	9:35:00	5:50:00	15:25:00	24:29:00	24:29:00	97.93	96.71	110:26:00	110:26:00	97.60	96.99	24.48	55.00	24.48
19	Koppa	1	1	73	7:45:00	43:30:00	7:55:00	3:10:00	11:05:00	18:50:00	18:50:00	98.51	97.47	184:15:00	184:15:00	96.17	94.98	18.83	73.00	18.83
20	Sringeri	1	1	73	33:55:00	166:55:00	9:15:00	3:05:00	12:20:00	46:15:00	46:15:00	98.34	93.78	256:55:00	256:55:00	97.55	93.00	46.25	73.00	46.25
21	N.R.Pura	1	1	141	1:10:00	16:55:00	18:55:00	8:00:00	26:55:00	28:05:00	28:05:00	96.38	96.23	225:40:00	225:40:00	94.32	93.85	28.08	141.00	28.08
22	Kadur	2	2	152	0:00:00	0:50:00	29:37:00	6:08:00	35:45:00	35:45:00	17:52:30	97.60	97.60	244:55:00	122:27:30	96.68	96.67	35.75	76.00	17.88
23	Tharikere	2	2	132	12:00:00	41:50:00	42:50:00	6:30:00	49:20:00	61:20:00	30:40:00	96.68	95.88	234:55:00	117:27:30	97.37	96.80	61.33	66.00	30.67
24	Birur	2	2	39	1:50:00	8:20:00	14:35:00	2:15:00	16:50:00	18:40:00	9:20:00	98.87	98.75	156:20:00	78:10:00	97.98	97.87	18.67	19.50	9.33
	Total	102	102	5105	367:46:00	1922:16:00	884:52:00	538:05:00	1422:57:00	1790:43:00	17:33:22	98.12	97.64	13160:23:00	129:01:24	97.00	96.49	1790.72	50.05	17.56

* 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 AUGUST-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	585	10:26:00	47:11:00	75:03:00	49:45:00	124:48:00	135:14:00	15:01:33	98.14	97.98	1188:09:00	132:01:00	96.55	96.40	135.23	65.00	15.03
2	Kavoor	29	29	1398	26:46:00	372:13:00	209:31:00	161:21:00	370:52:00	397:38:00	13:42:41	98.28	98.16	4287:02:00	147:49:43	96.32	95.97	397.63	48.21	13.71
3	Puttur	54	54	6007	904:19:00	5379:12:00	763:55:00	884:14:00	1648:09:00	2552:28:00	47:16:04	95.90	93.65	18181:12:00	336:41:20	93.54	90.83	2552.47	111.24	47.27
4	Bantwal	87	87	9096	480:42:00	2993:00:00	1559:47:00	1517:05:00	3076:52:00	3557:34:00	40:53:30	95.25	94.50	19162:10:00	220:15:17	94.94	94.00	3557.57	104.55	40.89
5	Udupi	64	64	4260	80:30:00	1181:06:00	1132:14:00	612:54:00	1745:08:00	1825:38:00	28:31:32	96.33	96.17	13680:58:29	213:45:55	94.68	94.18	1825.63	66.56	28.53
6	Kundapura	46	46	3305	211:18:00	1590:58:00	672:50:00	524:57:00	1197:47:00	1409:05:00	30:37:56	96.50	95.88	10119:10:00	219:58:55	94.95	94.01	1409.08	71.85	30.63
7	Shivamogga	78	78	5972	51:05:00	437:09:00	3502:37:00	1252:10:00	4754:47:00	4805:52:00	61:36:49	91.81	91.72	34147:58:00	437:47:40	88.23	88.08	4805.87	76.56	61.61
8	Bhadravathi	39	39	3222	271:40:00	1205:01:00	5227:40:00	1900:17:00	7127:57:00	7399:37:00	189:44:02	75.43	74.50	35623:37:00	913:25:34	75.97	75.12	7399.62	82.62	189.73
9	Sagar	85	85	5831	486:50:00	3546:15:00	4857:30:00	1412:45:00	6270:15:00	6757:05:00	79:29:42	90.08	89.32	48603:26:00	571:48:18	85.56	84.43	6757.08	68.60	79.50
10	Shikaripura	141	141	13918	1123:38:00	3031:38:00	41218:31:00	4337:26:00	45555:57:00	46679:35:00	331:03:39	56.57	55.50	229488:00:00	1627:34:28	56.26	55.68	46679.58	98.71	331.06
11	Chikkamagaluru	48	48	5134	157:29:00	1082:24:00	1700:39:00	1303:29:00	3004:08:00	3161:37:00	65:52:01	91.59	91.15	28310:04:00	589:47:35	84.55	83.94	3161.62	106.96	65.87
12	Kadur	187	187	17411	219:15:00	866:15:00	28039:12:00	6187:03:00	34226:15:00	34445:30:00	184:12:02	75.40	75.24	168004:00:00	898:25:02	75.66	75.53	34445.50	93.11	184.20
13	Koppa	37	37	3937	378:19:00	2305:41:00	903:21:00	1053:11:00	1956:32:00	2334:51:00	63:06:15	92.89	91.52	19035:06:00	514:27:44	87.69	85.99	2334.85	106.41	63.10
Total		904	904	80076	4402:17:00	24038:03:00	89862:50:00	21196:37:00	111059:27:00	115461:44:00	127:43:23	83.49	82.83	629830:52:29	696:42:56	81.75	81.03	115461.73	88.58	127.72

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

In kundapura division, Byndoor feeder clubbed with ganganadu feeder. In Sagara division, Lingadahalli and Bommatl feeders are clubbed. Rippenpete and Aduvalli feeders are idle.

* 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