

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH OCTOBER-2020

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-21	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-21	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	79	79	1920	175:58:00	668:07:00	399:20:00	127:00:00	526:20:00	702:18:00	8:53:24	99.10	98.81	4909:06:01	62:08:26	98.95	98.79	702.30	24.30	8.89
2	Kavoor	35	35	1179	148:55:00	886:01:00	259:04:00	72:42:00	331:46:00	480:41:00	13:44:02	98.73	98.15	3596:44:00	102:45:50	98.49	98.00	480.68	33.69	13.73
3	Udupi	37	37	1231	137:03:00	849:56:00	193:50:00	119:23:00	313:13:00	450:16:00	12:10:10	98.86	98.36	4624:39:00	124:59:26	98.01	97.57	450.27	33.27	12.17
4	Shivamogga	38	38	969	11:24:00	59:57:00	322:42:00	108:36:00	431:18:00	442:42:00	11:39:00	98.47	98.43	2911:42:00	76:37:25	98.54	98.51	442.70	25.50	11.65
5	Chikkamagaluru	7	7	215	0:00:00	94:35:00	40:04:00	21:39:00	61:43:00	61:43:00	8:49:00	98.81	98.81	837:43:00	119:40:26	97.93	97.67	61.72	30.71	8.82
	Total	196	196	5514	473:20:00	2558:36:00	1215:00:00	449:20:00	1664:20:00	2137:40:00	10:54:23	98.86	98.53	16879:54:01	86:07:19	98.58	98.32	2137.67	28.13	10.91

In Shivamogga out of 41 feeders load of 3 feeders were shifted to other feeders. Hence, total No. of feeders considered as 38.

* 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 OCTOBER-2020

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-21	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-21	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	250	5:20:00	103:04:00	43:35:00	17:21:00	60:56:00	66:16:00	8:17:00	98.98	98.89	997:49:00	124:43:38	97.82	97.57	66.27	31.25	8.28
2	Bantwal	5	5	743	107:23:00	328:51:00	52:48:00	44:37:00	97:25:00	204:48:00	40:57:36	97.38	94.49	777:03:00	155:24:36	98.25	96.97	204.80	148.60	40.96
3	Belthangadi	2	2	64	1:15:00	41:36:00	9:12:00	7:32:00	16:44:00	17:59:00	8:59:30	98.88	98.79	133:55:00	66:57:30	99.10	98.70	17.98	32.00	8.99
4	Puttur	12	12	536	59:36:00	290:54:00	77:43:00	39:10:00	116:53:00	176:29:00	14:42:25	98.69	98.02	2544:28:00	212:02:20	96.34	95.87	176.48	44.67	14.71
5	Kadaba	2	2	165	150:26:00	782:20:00	11:45:00	26:09:00	37:54:00	188:20:00	94:10:00	97.45	87.34	1324:38:00	662:19:00	94.72	87.10	188.33	82.50	94.17
6	Sullia	2	2	256	24:30:00	561:36:00	38:10:00	11:00:00	49:10:00	73:40:00	36:50:00	96.70	95.05	1080:16:00	540:08:00	94.95	89.48	73.67	128.00	36.83
7	Karkala	4	4	144	4:34:00	22:38:00	40:18:00	11:45:00	52:03:00	56:37:00	14:09:15	98.25	98.10	964:02:00	241:00:30	95.42	95.31	56.62	36.00	14.15
8	Kundapura	3	3	69	3:00:00	92:00:00	36:02:00	10:02:00	46:04:00	49:04:00	16:21:20	97.94	97.80	474:23:00	158:07:40	97.52	96.92	49.07	23.00	16.36
9	Bhadravathi	27	27	657	136:46:00	479:23:00	424:49:00	69:27:00	494:16:00	631:02:00	23:22:18	97.54	96.86	3377:53:00	125:06:24	97.91	97.56	631.03	24.33	23.37
10	Thirthahalli	3	3	83	4:15:00	84:00:00	26:10:00	4:35:00	30:45:00	35:00:00	11:40:00	98.62	98.43	270:05:00	90:01:40	98.79	98.25	35.00	27.67	11.67
11	Soraba	1	1	17	2:25:00	9:45:00	10:10:00	3:40:00	13:50:00	16:15:00	16:15:00	98.14	97.82	280:20:00	280:20:00	94.73	94.54	16.25	17.00	16.25
12	Hosnagara	1	1	17	9:20:00	222:10:00	5:45:00	3:20:00	9:05:00	18:25:00	18:25:00	98.78	97.52	410:50:00	410:50:00	96.33	92.00	18.42	17.00	18.42
13	Sagar	6	6	72	7:50:00	11:00:00	59:55:00	19:15:00	79:10:00	87:00:00	14:30:00	98.23	98.05	1409:15:00	234:52:30	95.46	95.43	87.00	12.00	14.50
14	Jog	5	5	14	3:00:00	18:20:00	36:00:00	11:30:00	47:30:00	50:30:00	10:06:00	98.72	98.64	380:10:00	76:02:00	98.59	98.52	50.50	2.80	10.10
15	Shikaripura	7	7	148	43:45:00	124:05:00	50:50:00	17:55:00	68:45:00	112:30:00	16:04:17	98.68	97.84	1037:00:00	148:08:34	97.46	97.12	112.50	21.14	16.07
16	Shiralkoppa	1	1	92	3:05:00	38:10:00	22:40:00	3:35:00	26:15:00	29:20:00	29:20:00	96.47	96.06	181:00:00	181:00:00	97.22	96.48	29.33	92.00	29.33
17	Mudigere	1	1	41	0:10:00	47:25:00	10:07:00	1:15:00	11:22:00	11:32:00	11:32:00	98.47	98.45	247:23:00	247:23:00	96.11	95.18	11.53	41.00	11.53
18	Koppa	1	1	95	20:35:00	158:15:00	23:10:00	8:45:00	31:55:00	52:30:00	52:30:00	95.71	92.94	459:00:00	459:00:00	94.14	91.06	52.50	95.00	52.50
19	Sringeri	1	1	64	35:05:00	323:40:00	7:55:00	8:00:00	15:55:00	51:00:00	51:00:00	97.86	93.15	452:05:00	452:05:00	97.50	91.20	51.00	64.00	51.00
20	N.R.Pura	1	1	143	16:10:00	82:55:00	18:00:00	10:20:00	28:20:00	44:30:00	44:30:00	96.19	94.02	313:00:00	313:00:00	95.52	93.91	44.50	143.00	44.50
21	Kadur	2	2	127	0:00:00	7:30:00	22:40:00	5:50:00	28:30:00	28:30:00	14:15:00	98.08	98.08	308:27:00	154:13:30	97.07	97.00	28.50	63.50	14.25
22	Tharikere	2	2	82	3:10:00	42:35:00	28:05:00	4:15:00	32:20:00	35:30:00	17:45:00	97.83	97.61	304:40:00	152:20:00	97.45	97.03	35.50	41.00	17.75
23	Birur	2	2	66	3:20:00	21:50:00	11:50:00	3:20:00	15:10:00	18:30:00	9:15:00	98.98	98.76	291:10:00	145:35:00	97.38	97.17	18.50	33.00	9.25
	Total	99	99	3945	645:00:00	3894:02:00	1067:39:00	342:38:00	1410:17:00	2055:17:00	20:45:38	98.09	97.21	18018:52:00	182:00:32	97.22	96.46	2055.28	39.85	20.76

* 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

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 OCTOBER-2020

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-21	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-21	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	499	13:45:00	68:48:00	92:15:00	32:56:00	125:11:00	138:56:00	15:26:13	98.13	97.93	1326:34:00	147:23:47	97.28	97.13	138.93	55.44	15.44
2	Kavoor	29	29	1064	29:54:00	291:31:00	247:37:00	81:21:00	328:58:00	358:52:00	12:22:29	98.48	98.34	3822:08:00	131:47:52	97.63	97.43	358.87	36.69	12.37
3	Puttur	51	51	4509	1768:51:00	12170:31:00	564:18:00	532:48:00	1097:06:00	2865:57:00	56:11:42	97.11	92.45	25721:45:00	504:20:53	94.83	90.18	2865.95	88.41	56.20
4	Bantwal	82	82	7402	763:32:00	4978:53:00	1079:42:00	1071:48:00	2151:30:00	2915:02:00	35:32:57	96.47	95.22	20054:37:00	244:34:07	96.42	95.24	2915.03	90.27	35.55
5	Udupi	57	57	2784	76:09:00	1611:41:00	746:01:00	378:20:00	1124:21:00	1200:30:00	21:03:41	97.35	97.17	13712:42:00	240:34:25	95.87	95.32	1200.50	48.84	21.06
6	Kundapura	45	45	2449	358:26:00	2776:08:00	862:23:00	332:37:00	1195:00:00	1553:26:00	34:31:15	96.43	95.36	13935:05:36	309:40:07	95.17	93.97	1553.43	54.42	34.52
7	Shivamogga	70	70	4839	127:56:00	1330:03:00	1205:20:00	982:39:00	2187:59:00	2315:55:00	33:05:04	95.80	95.55	23060:31:00	329:26:09	93.96	93.59	2315.92	69.13	33.08
8	Bhadravathi	39	39	3035	265:59:00	1274:21:00	1815:53:00	1203:55:00	3019:48:00	3285:47:00	84:15:03	89.59	88.68	27747:22:00	711:28:15	86.78	86.15	3285.78	77.82	84.25
9	Sagar	67	67	1792	386:30:00	4237:45:00	3063:15:00	1366:55:00	4430:10:00	4816:40:00	71:53:26	91.11	90.34	51952:13:00	775:24:22	86.13	84.90	4816.67	26.75	71.89
10	Shikaripura	133	133	10748	488:44:00	2735:38:00	3379:04:00	3216:25:00	6595:29:00	7084:13:00	53:15:53	93.33	92.84	59114:25:00	444:28:09	91.75	91.35	7084.22	80.81	53.26
11	Chikkamagaluru	48	48	4011	96:47:00	2768:39:00	1215:48:00	1191:52:00	2407:40:00	2504:27:00	52:10:34	93.26	92.99	23214:13:00	483:37:46	91.71	90.58	2504.45	83.56	52.18
12	Kadur	162	162	14664	200:55:00	2699:50:00	18371:20:00	4161:35:00	22532:55:00	22733:50:00	140:19:56	81.30	81.14	160578:10:00	991:13:24	81.02	80.70	22733.83	90.52	140.33
13	Koppa	36	36	3614	875:53:00	7347:36:00	921:26:00	1457:30:00	2378:56:00	3254:49:00	90:24:42	91.12	87.85	26968:31:00	749:07:32	89.39	85.41	3254.82	100.39	90.41
	Total	828	828	61410	5453:21:00	44291:24:00	33564:22:00	16010:41:00	49575:03:00	55028:24:00	66:27:34	91.95	91.07	451208:16:36	544:56:15	90.43	89.39	55028.40	74.17	66.46

In Kundapura 11KV Bailoor Feeder Clubbed with 11 KV Shankaranarayana 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 24Hr

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