

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH MARCH-2023

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	95	95	1379	31:20:00	1116:47:00	361:45:08	85:13:05	446:58:13	478:18:13	5:02:05	99.37	99.32	8037:43:13	84:36:27	99.17	99.03	478.30	14.52	5.03
2	Kavoor	37	37	674	26:40:00	1037:55:00	145:48:00	56:13:00	202:01:00	228:41:00	6:10:50	99.27	99.17	5506:28:00	148:49:24	98.62	98.30	228.68	18.22	6.18
3	Udupi	38	38	762	145:48:00	6659:30:00	162:03:00	67:47:00	229:50:00	375:38:00	9:53:06	99.19	98.67	10371:03:00	272:55:21	98.89	96.88	375.63	20.05	9.89
4	Shivamogga	45	45	965	75:58:00	528:02:00	456:16:00	70:12:00	526:28:00	602:26:00	13:23:15	98.43	98.20	7825:35:00	173:54:07	98.15	98.01	602.43	21.44	13.39
5	Chikkamagaluru	8	8	271	1:38:00	46:10:00	147:55:00	14:25:00	162:20:00	163:58:00	20:29:45	97.27	97.25	1644:04:00	205:30:30	97.72	97.65	163.97	33.88	20.50
	Total	223	223	4051	281:24:00	9388:24:00	1273:47:08	293:50:05	1567:37:13	1849:01:13	8:17:30	99.06	98.89	33384:53:13	149:42:29	98.77	98.29	1849.02	18.17	8.29

* 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 MARCH-2023

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	300	0:10:00	89:12:00	116:56:00	21:41:00	138:37:00	138:47:00	17:20:53	97.67	97.67	2218:42:00	277:20:15	96.96	96.83	138.78	37.50	17.35
2	Bantwal	9	9	360	11:48:00	220:24:00	47:04:00	12:54:00	59:58:00	71:46:00	7:58:27	99.10	98.93	1548:28:00	172:03:07	98.32	98.04	71.77	40.00	7.97
3	Belthangadi	2	2	80	0:00:00	39:08:00	20:06:00	7:02:00	27:08:00	27:08:00	13:34:00	98.18	98.18	534:26:00	267:13:00	97.17	96.95	27.13	40.00	13.57
4	Puttur	12	12	593	4:36:00	243:00:00	98:24:00	43:37:00	142:01:00	146:37:00	12:13:05	98.41	98.36	3543:38:00	295:18:10	96.86	96.63	146.62	49.42	12.22
5	Kadaba	2	2	267	28:48:00	628:44:00	28:56:00	18:27:00	47:23:00	76:11:00	38:05:30	96.82	94.88	1252:12:00	626:06:00	96.44	92.85	76.18	133.50	38.09
6	Sullia	4	4	434	50:20:00	1406:55:00	40:35:00	24:20:00	64:55:00	115:15:00	28:48:45	97.82	96.13	2513:00:00	628:15:00	96.84	92.83	115.25	108.50	28.81
7	Karkala	4	4	105	1:15:00	24:01:00	12:19:00	9:25:00	21:44:00	22:59:00	5:44:45	99.27	99.23	1986:55:00	496:43:45	94.40	94.33	22.98	26.25	5.75
8	Kaup	3	3	186	24:06:00	600:10:00	17:16:00	10:59:00	28:15:00	52:21:00	17:27:00	98.73	97.65	1270:14:00	423:24:40	97.45	95.17	52.35	62.00	17.45
9	Kundapura	5	5	93	32:43:00	285:49:00	20:49:00	6:47:00	27:36:00	60:19:00	12:03:48	99.26	98.38	1057:16:00	211:27:12	98.24	97.59	60.32	18.60	12.06
10	Bhadravathi	27	27	508	71:44:00	718:24:00	#####	38:11:00	1530:20:00	1602:04:00	59:20:09	92.38	92.02	9197:36:00	340:39:07	96.42	96.11	1602.07	18.81	59.34
11	Thirthahalli	3	3	40	0:00:00	25:30:00	22:30:00	1:35:00	24:05:00	24:05:00	8:01:40	98.92	98.92	253:50:00	84:36:40	99.13	99.03	24.08	13.33	8.03
12	Soraba	2	2	185	2:20:00	20:30:00	53:20:00	13:30:00	66:50:00	69:10:00	34:35:00	95.51	95.35	961:45:00	480:52:30	94.63	94.51	69.17	92.50	34.58
13	Hosnagara	1	1	40	14:50:00	266:00:00	6:25:00	7:20:00	13:45:00	28:35:00	28:35:00	98.15	96.16	493:05:00	493:05:00	97.41	94.37	28.58	40.00	28.58
14	Sagar	7	7	254	14:10:00	59:20:00	94:45:00	18:35:00	113:20:00	127:30:00	18:12:51	97.82	97.55	2009:45:00	287:06:26	96.82	96.72	127.50	36.29	18.21
15	Jog	3	3	142	7:00:00	55:00:00	45:10:00	9:10:00	54:20:00	61:20:00	20:26:40	97.57	97.25	556:48:00	185:36:00	98.09	97.88	61.33	47.33	20.44
16	Shikaripura	7	7	116	34:15:00	374:45:00	37:20:00	6:35:00	43:55:00	78:10:00	11:10:00	99.16	98.50	1104:15:00	157:45:00	98.81	98.20	78.17	16.57	11.17
17	Shiralkoppa	1	1	47	12:25:00	70:15:00	6:20:00	2:25:00	8:45:00	21:10:00	21:10:00	98.82	97.16	259:50:00	259:50:00	97.84	97.03	21.17	47.00	21.17
18	Anavatti	2	2	91	1:00:00	152:00:00	26:55:00	2:10:00	29:05:00	30:05:00	15:02:30	98.05	97.98	1128:10:00	564:05:00	94.43	93.56	30.08	45.50	15.04
19	Mudigere	1	1	69	12:30:00	101:31:00	10:25:00	4:50:00	15:15:00	27:45:00	27:45:00	97.95	96.27	382:31:00	382:31:00	96.79	95.63	27.75	69.00	27.75
20	Koppa	1	1	116	16:40:00	112:20:00	22:25:00	8:45:00	31:10:00	47:50:00	47:50:00	95.81	93.57	363:45:00	363:45:00	97.13	95.85	47.83	116.00	47.83
21	Sringeri	1	1	125	20:10:00	349:55:00	8:26:00	3:13:00	11:39:00	31:49:00	31:49:00	98.43	95.72	496:03:00	496:03:00	98.33	94.34	31.82	125.00	31.82
22	N.R.Pura	1	1	231	21:30:00	73:20:00	43:10:00	12:05:00	55:15:00	76:45:00	76:45:00	92.57	89.68	662:20:00	662:20:00	93.28	92.44	76.75	231.00	76.75
23	Kadur	2	2	136	6:39:00	28:20:00	24:47:00	11:08:00	35:55:00	42:34:00	21:17:00	97.59	97.14	398:25:00	199:12:30	97.89	97.73	42.57	68.00	21.28
24	Tharikere	2	2	174	45:00:00	147:40:00	47:15:00	8:25:00	55:40:00	100:40:00	50:20:00	96.26	93.23	808:45:00	404:22:30	96.23	95.38	100.67	87.00	50.33
25	Birur	1	1	47	7:15:00	39:40:00	17:35:00	2:20:00	19:55:00	27:10:00	27:10:00	97.32	96.35	241:35:00	241:35:00	97.70	97.24	27.17	47.00	27.17
	Total	111	111	4739	441:14:00	6131:53:00	2361:22:00	305:29:00	2666:51:00	3108:05:00	28:00:03	96.77	96.24	35243:19:00	317:30:26	97.01	96.38	3108.08	42.69	28.00

In 110/33/11KV MUSS the Campco Urban feeder load shifted to Shanthigodu feeder

* 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(A)

RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF MARCH-2023

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	10	10	525	6:56:00	303:21:00	89:09:00	29:53:00	119:02:00	125:58:00	12:35:48	98.40	98.31	2463:56:00	246:23:36	97.53	97.19	125.97	52.50	12.60
2	Kavoor	30	30	1000	0:20:00	282:13:00	305:33:00	202:33:00	508:06:00	508:26:00	16:56:52	97.72	97.72	6446:43:00	214:53:26	97.65	97.55	508.43	33.33	16.95
3	Puttur	60	60	5572	563:55:00	10873:06:00	1018:34:00	530:30:00	1549:04:00	2112:59:00	35:12:59	96.53	95.27	35643:47:00	594:03:47	95.29	93.22	2112.98	92.87	35.22
4	Bantwal	94	94	7369	471:11:00	6637:55:00	1038:36:00	1546:37:00	2585:13:00	3056:24:00	32:30:54	96.30	95.63	39912:04:00	424:35:47	95.96	95.15	3056.40	78.39	32.51
5	Udupi	46	46	1505	134:03:00	5713:11:00	373:05:00	127:37:00	500:42:00	634:45:00	13:47:56	98.54	98.15	16924:26:00	367:55:21	97.22	95.80	634.75	32.72	13.80
6	Karkala	31	31	1164	103:42:00	837:16:00	229:45:00	93:03:00	322:48:00	426:30:00	13:45:29	98.60	98.15	9096:11:00	293:25:31	96.96	96.65	426.50	37.55	13.76
7	Kundapura	61	61	2632	388:59:00	4915:17:00	1181:49:00	251:12:00	1433:01:00	1822:00:00	29:52:08	96.84	95.99	24552:02:31	402:29:33	96.33	95.41	1822.00	43.15	29.87
8	Shivmogga	72	72	4674	256:53:00	1826:10:00	1733:34:00	501:41:00	2235:15:00	2492:08:00	34:36:47	95.83	95.35	36193:35:28	502:41:20	94.55	94.26	2492.13	64.92	34.61
9	Bhadravathi	21	21	1473	249:44:00	1453:44:00	619:08:00	1190:36:00	1809:44:00	2059:28:00	98:04:11	88.42	86.82	21008:23:00	#####	89.37	88.58	2059.47	70.14	98.07
10	Sagar	77	77	6047	378:55:00	6505:45:00	7699:46:00	748:45:00	8448:31:00	8827:26:00	114:38:31	85.25	84.59	80775:56:00	#####	95.12	88.02	8827.43	78.53	114.64
11	Shikaripura	61	61	5064	118:30:00	4112:12:00	13651:47:00	527:37:00	14179:24:00	14297:54:00	234:23:30	68.76	68.50	101232:04:00	#####	81.83	81.06	14297.90	83.02	234.39
12	Chikkamagaluru	49	49	5644	401:41:00	3243:37:00	5026:16:00	732:09:00	5758:25:00	6160:06:00	125:42:59	84.20	83.10	68164:41:00	#####	84.88	84.12	6160.10	115.18	125.72
13	Kadur	69	69	5685	522:26:00	3314:20:00	3355:19:00	776:25:00	4131:44:00	4654:10:00	67:27:06	91.95	90.93	46868:04:00	679:14:50	92.79	92.25	4654.17	82.39	67.45
14	Koppa	38	38	5425	521:47:00	5237:47:00	3079:43:00	559:58:00	3639:41:00	4161:28:00	109:30:44	87.13	85.28	33675:52:00	886:12:25	91.46	89.88	4161.47	142.76	109.51
	Total	719	719	53779	4119:02:00	55255:54:00	39402:04:00	7818:36:00	47220:40:00	51339:42:00	71:24:16	91.17	90.40	522957:44:59	727:20:25	92.57	91.70	51339.70	74.80	71.40

Excluding IP feeders

Note: In Shivmogga division MF-18 NJY Hosalli feeder cable faulty load taken on MF-5 IP feeder which is considered as rural feeder, KIADB-1 feeder faulty. In Sagara division, Rippenpete and Aduvalli feeders are idle. In chikkamagaluru Division Gowdalli feeder cable fault. In 33/11KV MUSS Kumbra the Perilampady feeder's load shifted to Thingalady feeder

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III

FORM-III(B)

RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF MARCH-2023

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)
8	Shivamogga	26	26	3581	174:08:00	1019:15:00	6307:53:00	266:51:00	6574:44:00	6748:52:00	259:34:18	66.01	65.11	71890:23:32	2765:00:54	68.88	68.44	6748.87	137.73	259.57
9	Bhadravathi	26	26	2849	437:39:00	2158:43:00	8437:17:00	430:29:00	8867:46:00	9305:25:00	357:54:02	54.16	51.90	111631:28:00	4293:31:05	51.94	50.99	9305.42	109.58	357.90
10	Sagar	20	20	2330	49:45:00	451:35:00	7824:15:00	215:45:00	8040:00:00	8089:45:00	404:29:15	45.97	45.63	68781:15:00	3439:03:45	85.69	60.74	8089.75	116.50	404.49
11	Shikaripura	98	98	11359	445:50:00	6057:50:00	44953:10:00	1671:16:00	46624:26:00	47070:16:00	480:18:32	36.05	35.44	540635:13:00	5516:41:09	37.73	37.02	47070.27	115.91	480.31
13	Kadur	133	133	17357	751:30:00	4710:25:00	32310:30:00	2601:47:00	34912:17:00	35663:47:00	268:08:55	64.72	63.96	422415:29:00	3176:03:23	64.15	63.74	35663.78	130.50	268.15
	Total	303	303	37476	1858:52:00	14397:48:00	99833:05:00	5186:08:00	105019:13:00	106878:05:00	352:43:59	53.41	52.59	1215353:48:32	4011:04:07	54.75	54.21	106878.08	123.68	352.73

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

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