

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH JUNE-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	97	97	2397	86:36:00	465:34:00	592:56:00	268:08:00	861:04:00	947:40:00	9:46:11	98.77	98.64	2656:21:34	27:23:07	98.97	98.75	947.67	24.71	9.77
2	Kavoor	37	37	1474	32:04:00	168:56:00	278:43:00	191:28:00	470:11:00	502:15:00	13:34:28	98.24	98.11	1333:51:00	36:03:00	98.56	98.35	502.25	39.84	13.57
3	Udupi	39	39	1327	104:58:00	296:26:00	145:58:00	139:05:00	285:03:00	390:01:00	10:00:02	98.98	98.61	1252:13:00	32:06:29	98.88	98.53	390.02	34.03	10.00
4	Shivamogga	45	45	931	1:10:00	93:48:00	528:06:00	80:59:00	609:05:00	610:15:00	13:33:40	98.12	98.12	1300:06:00	28:53:28	98.77	98.68	610.25	20.69	13.56
5	Chikkamagaluru	8	8	293	12:50:00	29:24:00	90:50:00	21:40:00	112:30:00	125:20:00	15:40:00	98.05	97.82	382:34:00	47:49:15	97.98	97.81	125.33	36.63	15.67
	Total	226	226	6422	237:38:00	1054:08:00	1636:33:00	701:20:00	2337:53:00	2575:31:00	11:23:46	98.56	98.42	6925:05:34	30:38:31	98.81	98.60	2575.52	28.42	11.40

* 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 colums 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 JUNE-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	671	0:24:00	35:02:00	177:52:00	96:57:00	274:49:00	275:13:00	34:24:08	95.23	95.22	641:52:00	80:14:00	96.53	96.33	275.22	83.88	34.40
2	Bantwal	9	9	543	10:44:00	32:24:00	72:33:00	56:01:00	128:34:00	139:18:00	15:28:40	98.02	97.85	301:33:00	33:30:20	98.63	98.47	139.30	60.33	15.48
3	Belthangadi	1	1	60	3:35:00	11:50:00	5:10:00	7:15:00	12:25:00	16:00:00	16:00:00	98.28	97.78	81:51:00	81:51:00	96.79	96.25	16.00	60.00	16.00
4	Puttur	12	12	1053	42:52:00	71:37:00	154:14:00	142:24:00	296:38:00	339:30:00	28:17:30	96.57	96.07	890:34:00	74:12:50	96.88	96.60	339.50	87.75	28.29
5	Kadaba	2	2	413	68:26:00	177:54:00	16:43:00	70:25:00	87:08:00	155:34:00	77:47:00	93.95	89.20	381:00:00	190:30:00	95.35	91.28	155.57	206.50	77.78
6	Sullia	4	4	817	167:40:00	445:40:00	73:50:00	64:35:00	138:25:00	306:05:00	76:31:15	95.19	89.37	804:20:00	201:05:00	95.89	90.79	306.08	204.25	76.52
7	Karkala	4	4	190	0:00:00	8:30:00	29:07:00	28:30:00	57:37:00	57:37:00	14:24:15	98.00	98.00	119:38:00	29:54:30	98.73	98.63	57.62	47.50	14.40
8	Kaup	3	3	301	16:24:00	77:48:00	25:28:00	54:28:00	79:56:00	96:20:00	32:06:40	96.30	95.54	258:52:00	86:17:20	97.24	96.05	96.33	100.33	32.11
9	Kundapura	5	5	285	42:46:00	64:06:00	66:17:00	29:24:00	95:41:00	138:27:00	27:41:24	97.34	96.15	254:26:00	50:53:12	98.26	97.67	138.45	57.00	27.69
10	Bhadravathi	27	27	621	29:00:00	89:54:00	2031:27:00	63:03:00	2094:30:00	2123:30:00	78:38:53	89.23	89.08	5739:50:00	212:35:11	90.42	90.27	2123.50	23.00	78.65
11	Thirthahalli	3	3	80	1:00:00	5:45:00	40:10:00	2:30:00	42:40:00	43:40:00	14:33:20	98.02	97.98	67:40:00	22:33:20	99.05	98.97	43.67	26.67	14.56
12	Soraba	2	2	213	1:35:00	13:40:00	73:15:00	29:35:00	102:50:00	104:25:00	52:12:30	92.86	92.75	244:05:00	122:02:30	94.72	94.41	104.42	106.50	52.21
13	Hosnagara	1	1	57	44:10:00	127:10:00	4:50:00	2:15:00	7:05:00	51:15:00	51:15:00	99.02	92.88	177:55:00	177:55:00	97.68	91.85	51.25	57.00	51.25
14	Sagar	8	8	297	14:00:00	31:20:00	107:35:00	27:15:00	134:50:00	148:50:00	18:36:15	97.66	97.42	449:30:00	56:11:15	97.61	97.43	148.83	37.13	18.60
15	Jog	3	3	96	4:05:00	14:20:00	53:10:00	10:10:00	63:20:00	67:25:00	22:28:20	97.07	96.88	173:45:00	57:55:00	97.57	97.35	67.42	32.00	22.47
16	Shikaripura	7	7	276	20:15:00	30:15:00	61:30:00	25:00:00	86:30:00	106:45:00	15:15:00	98.28	97.88	280:05:00	40:00:43	98.37	98.17	106.75	39.43	15.25
17	Shiralkoppa	1	1	55	11:05:00	29:55:00	7:45:00	2:45:00	10:30:00	21:35:00	21:35:00	98.54	97.00	68:40:00	68:40:00	98.23	96.86	21.58	55.00	21.58
18	Anavatti	2	2	149	8:40:00	28:15:00	48:05:00	9:45:00	57:50:00	66:30:00	33:15:00	95.98	95.38	179:10:00	89:35:00	96.54	95.90	66.50	74.50	33.25
19	Mudigere	1	1	53	3:00:00	33:50:00	14:55:00	1:45:00	16:40:00	19:40:00	19:40:00	97.69	97.27	82:35:00	82:35:00	97.77	96.22	19.67	53.00	19.67
20	Koppa	1	1	105	19:05:00	41:30:00	11:40:00	4:45:00	16:25:00	35:30:00	35:30:00	97.72	95.07	123:40:00	123:40:00	96.24	94.34	35.50	105.00	35.50
21	Sringeri	1	1	91	10:40:00	82:15:00	4:28:00	5:54:00	10:22:00	21:02:00	21:02:00	98.56	97.08	119:46:00	119:46:00	98.28	94.52	21.03	91.00	21.03
22	N.R.Pura	1	1	231	24:50:00	54:14:00	31:15:00	14:45:00	46:00:00	70:50:00	70:50:00	93.61	90.16	200:04:00	200:04:00	93.32	90.84	70.83	231.00	70.83
23	Kadur	2	2	150	2:10:00	5:10:00	82:55:00	9:35:00	92:30:00	94:40:00	47:20:00	93.58	93.43	196:52:00	98:26:00	95.61	95.49	94.67	75.00	47.33
24	Tharikere	2	2	134	0:00:00	3:50:00	40:34:00	9:04:00	49:38:00	49:38:00	24:49:00	96.55	96.55	166:13:00	83:06:30	96.28	96.19	49.63	67.00	24.82
25	Birur	1	1	91	1:25:00	3:25:00	17:05:00	7:55:00	25:00:00	26:25:00	26:25:00	96.53	96.33	84:40:00	84:40:00	96.28	96.12	26.42	91.00	26.42
Total		111	111	7032	547:51:00	1519:39:00	3251:53:00	776:00:00	4027:53:00	4575:44:00	41:13:22	94.96	94.27	12088:36:00	108:54:23	95.64	95.01	4575.73	63.35	41.22

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(A)

FORM-III(A)

RELIABILITY INDICES FOR RURAL AREAS (EXCLUDING EIP FEEDERS) IN MESCOM FOR THE MONTH OF JUNE-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	885	18:02:00	49:46:00	137:49:48	120:16:00	258:05:48	276:07:48	27:36:47	96.42	96.16	644:58:48	64:29:53	97.27	97.05	276.13	88.50	27.61
2	Kavoor	30	30	2218	2:09:00	81:55:00	437:01:00	359:07:00	796:08:00	798:17:00	26:36:34	96.31	96.30	1907:59:00	63:35:58	97.21	97.09	798.28	73.93	26.61
3	Puttur	60	60	9905	1353:02:00	3757:03:00	1066:14:00	2000:40:00	3066:54:00	4419:56:00	73:39:56	92.90	89.77	11952:13:00	199:12:13	93.75	90.88	4419.93	165.08	73.67
4	Bantwal	94	94	9554	785:31:00	1832:50:00	1397:58:00	1445:17:00	2843:15:00	3628:46:00	38:36:14	95.80	94.64	9883:16:00	105:08:28	96.08	95.19	3628.77	101.64	38.60
5	Udupi	49	49	3267	145:41:00	377:18:00	620:12:00	485:40:00	1105:52:00	1251:33:00	25:32:31	96.87	96.45	2764:22:00	56:24:56	97.77	97.42	1251.55	66.67	25.54
6	Karkala	31	31	3096	257:43:00	390:19:00	467:19:00	510:22:00	977:41:00	1235:24:00	39:51:06	95.62	94.47	2483:51:00	80:07:27	96.91	96.33	1235.40	99.87	39.85
7	Kundapura	61	61	6336	617:55:00	1094:56:00	1151:40:00	1237:22:00	2389:02:00	3006:57:00	49:17:39	94.56	93.15	6679:18:00	109:29:48	95.81	94.99	3006.95	103.87	49.29
8	Shivamogga	74	74	5805	212:05:00	503:41:00	2160:54:00	1182:55:00	3343:49:00	3555:54:00	48:03:10	93.72	93.33	9263:25:00	125:10:53	94.58	94.27	3555.90	78.45	48.05
9	Bhadravathi	21	21	1438	90:47:00	221:28:00	900:14:00	989:48:00	1890:02:00	1980:49:00	94:19:29	87.50	86.90	5676:29:00	270:18:31	88.11	87.62	1980.82	68.48	94.32
10	Sagar	79	79	6005	856:35:00	2014:25:00	5359:50:00	1881:42:00	7241:32:00	8098:07:00	102:30:28	87.27	85.76	26197:07:00	331:36:33	85.98	84.82	8098.12	76.01	102.51
11	Shikaripura	62	62	5852	264:14:00	665:31:00	9459:45:00	2538:44:00	11998:29:00	12262:43:00	197:47:09	73.12	72.53	39859:47:00	642:53:59	71.05	70.56	12262.72	94.39	197.79
12	Chikkamagaluru	49	49	6424	391:35:00	988:16:00	5253:51:00	1507:59:00	6761:50:00	7153:25:00	145:59:17	80.83	79.72	21067:37:00	429:57:05	81.24	80.31	7153.42	131.10	145.99
13	Kadur	70	70	6154	210:58:00	647:48:00	5690:37:00	1195:50:00	6886:27:00	7097:25:00	101:23:30	86.34	85.92	17962:28:00	256:36:24	88.67	88.25	7097.42	87.91	101.39
14	Koppa	38	38	5239	366:55:00	1474:59:00	1824:55:00	1290:06:00	3115:01:00	3481:56:00	91:37:47	88.61	87.27	12578:41:00	331:01:05	86.62	84.84	3481.93	137.87	91.63
	Total	728	728	72178	5573:12:00	14100:15:00	35928:19:48	16745:48:00	52674:07:48	58247:19:48	80:00:36	89.95	88.89	168921:31:48	232:02:06	90.26	89.38	58247.33	99.15	80.01

Excluding IP feeders

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

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III(B)

FORM-III(B)

RELIABILITY INDICES FOR EXCLUSIVE IP FEEDERS AREAS IN MESCOM FOR THE MONTH OF JUNE-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	3443	185:00:00	293:14:00	6389:59:00	583:55:00	6973:54:00	7158:54:00	275:20:32	62.75	61.76	21087:30:00	811:03:28	63.38	62.86	7158.90	132.42	275.34
9	Bhadravathi	26	26	3172	154:43:00	370:54:00	6387:00:00	1950:45:00	8337:45:00	8492:28:00	326:38:00	55.46	54.63	26844:47:00	1032:29:30	53.38	52.72	8492.47	122.00	326.63
10	Sagar	20	20	1896	67:00:00	178:40:00	6344:40:00	849:35:00	7194:15:00	7261:15:00	363:03:45	50.04	49.57	22596:10:00	1129:48:30	48.68	48.27	7261.25	94.80	363.06
11	Shikaripura	100	100	12773	482:40:00	830:36:00	42294:46:00	4343:01:00	46637:47:00	47120:27:00	471:12:16	35.23	34.55	141827:11:00	1418:16:19	35.44	35.06	47120.45	127.73	471.20
13	Kadur	138	138	17764	284:50:00	930:25:00	28771:15:00	5359:47:00	34131:02:00	34415:52:00	247:35:46	65.90	65.61	110249:30:00	793:09:43	63.99	63.68	34415.87	127.80	247.60
	Total	311	311	39048	1174:13:00	2603:49:00	90187:40:00	13087:03:00	103274:43:00	104448:56:00	335:50:55	53.88	53.35	322605:08:00	1037:18:56	52.89	52.50	104448.93	125.56	335.85

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM,Mangaluru