

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

## RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH JULY-2022

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	90	90	3483	210:30:00	518:36:00	631:20:00	481:33:00	1112:53:00	1323:23:00	14:42:15	98.34	98.02	3839:36:00	42:39:44	98.74	98.54	1323.38	38.70	14.70
2	Kavoor	36	36	2188	228:26:00	586:50:00	435:56:00	388:03:00	823:59:00	1052:25:00	29:14:02	96.92	96.07	2758:26:00	76:37:23	97.94	97.38	1052.42	60.78	29.23
3	Udupi	36	36	2313	231:51:00	746:19:00	269:28:00	306:50:00	576:18:00	808:09:00	22:26:55	97.85	96.98	2664:09:00	74:00:15	98.18	97.47	808.15	64.25	22.45
4	Shivamogga	41	41	1316	27:38:00	231:17:00	528:24:00	152:01:00	680:25:00	708:03:00	17:16:10	97.77	97.68	3475:36:00	84:46:15	97.30	97.10	708.05	32.10	17.27
5	Chikkamagaluru	8	8	603	0:00:00	3:00:00	62:40:00	36:40:00	99:20:00	99:20:00	12:25:00	98.33	98.33	386:50:00	48:21:15	98.36	98.35	99.33	75.38	12.42
	<b>Total</b>	<b>211</b>	<b>211</b>	<b>9903</b>	<b>698:25:00</b>	<b>2086:02:00</b>	<b>1927:48:00</b>	<b>1365:07:00</b>	<b>3292:55:00</b>	<b>3991:20:00</b>	<b>18:54:59</b>	<b>97.90</b>	<b>97.46</b>	<b>13124:37:00</b>	<b>62:12:07</b>	<b>98.21</b>	<b>97.88</b>	<b>3991.33</b>	<b>46.93</b>	<b>18.92</b>

Note: In Shivamogga division, MF-11 cable fault from 08.11.21.MF-1 load taken on MF-3 due to smart city work from 20.04.2022

\* 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 JULY-2022

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	827	28:54:00	50:28:00	147:27:00	154:10:00	301:37:00	330:31:00	41:18:53	94.93	94.45	1040:38:00	130:04:45	95.77	95.56	330.52	103.38	41.31
2	Bantwal	5	5	417	10:02:00	42:40:00	48:44:00	79:37:00	128:21:00	138:23:00	27:40:36	96.55	96.28	523:15:00	104:39:00	96.72	96.43	138.38	83.40	27.68
3	Belthangadi	2	2	297	0:15:00	1:00:00	37:55:00	18:17:00	56:12:00	56:27:00	28:13:30	96.22	96.21	201:57:00	100:58:30	96.57	96.55	56.45	148.50	28.23
4	Puttur	12	12	1910	37:29:00	116:00:00	228:33:00	269:54:00	498:27:00	535:56:00	44:39:40	94.42	94.00	1818:07:00	151:30:35	95.16	94.83	535.93	159.17	44.66
5	Kadaba	2	2	465	74:52:00	333:16:00	24:55:00	101:07:00	126:02:00	200:54:00	100:27:00	91.53	86.50	655:33:00	327:46:30	94.50	88.81	200.90	232.50	100.45
6	Sullia	4	4	930	258:20:00	683:55:00	89:40:00	88:20:00	178:00:00	436:20:00	109:05:00	94.02	85.34	1188:30:00	297:07:30	95.69	89.85	436.33	232.50	109.08
7	Karkala	5	5	361	14:28:00	22:32:00	74:16:00	442:02:00	516:18:00	530:46:00	106:09:12	86.12	85.73	1034:28:00	206:53:36	93.09	92.93	530.77	72.20	106.15
8	Kaup	3	3	560	32:54:00	211:22:00	69:16:00	77:43:00	146:59:00	179:53:00	59:57:40	93.41	91.94	581:47:00	193:55:40	95.78	93.38	179.88	186.67	59.96
9	Kundapura	5	5	303	4:41:00	53:02:00	66:10:00	41:14:00	107:24:00	112:05:00	22:25:00	97.11	96.99	470:13:00	94:02:36	97.15	96.79	112.08	60.60	22.42
10	Bhadravathi	28	28	666	19:20:00	183:50:00	468:57:00	81:53:00	550:50:00	570:10:00	20:21:47	97.36	97.26	3033:18:00	108:19:56	96.52	96.30	570.17	23.79	20.36
11	Thirthahalli	3	3	107	0:30:00	12:30:00	18:10:00	7:45:00	25:55:00	26:25:00	8:48:20	98.84	98.82	93:55:00	31:18:20	99.07	98.93	26.42	35.67	8.81
12	Soraba	1	1	118	1:30:00	8:50:00	41:40:00	4:45:00	46:25:00	47:55:00	47:55:00	93.76	93.56	235:10:00	235:10:00	92.27	91.97	47.92	118.00	47.92
13	Hosnagara	1	1	54	16:45:00	117:20:00	17:00:00	2:55:00	19:55:00	36:40:00	36:40:00	97.32	95.07	208:50:00	208:50:00	96.88	92.87	36.67	54.00	36.67
14	Sagar	7	7	403	4:05:00	31:50:00	332:05:00	247:00:00	579:05:00	583:10:00	83:18:34	88.88	88.80	1061:00:00	151:34:17	94.98	94.82	583.17	57.57	83.31
15	Jog	3	3	130	3:30:00	30:15:00	25:10:00	54:15:00	79:25:00	82:55:00	27:38:20	96.44	96.29	285:15:00	95:05:00	97.10	96.75	82.92	43.33	27.64
16	Shikaripura	7	7	218	15:30:00	162:45:00	29:45:00	18:00:00	47:45:00	63:15:00	9:02:09	99.08	98.79	493:10:00	70:27:09	98.39	97.59	63.25	31.14	9.04
17	Shiralkoppa	1	1	80	0:50:00	26:05:00	12:05:00	6:55:00	19:00:00	19:50:00	19:50:00	97.45	97.33	115:30:00	115:30:00	96.95	96.06	19.83	80.00	19.83
18	Anavatti	2	2	240	9:05:00	69:15:00	65:00:00	83:15:00	148:15:00	157:20:00	78:40:00	90.04	89.43	774:10:00	387:05:00	87.96	86.78	157.33	120.00	78.67
19	Mudigere	1	1	102	5:25:00	40:30:00	14:50:00	24:00:00	38:50:00	44:15:00	44:15:00	94.78	94.05	177:35:00	177:35:00	95.32	93.93	44.25	102.00	44.25
20	Koppa	1	1	148	10:35:00	46:55:00	26:55:00	19:25:00	46:20:00	56:55:00	56:55:00	93.77	92.35	179:05:00	179:05:00	95.49	93.88	56.92	148.00	56.92
21	Sringeri	1	1	209	79:33:00	170:47:00	14:37:00	10:33:00	25:10:00	104:43:00	104:43:00	96.62	85.93	235:07:00	235:07:00	97.80	91.97	104.72	209.00	104.72
22	N.R.Pura	1	1	295	7:10:00	18:30:00	44:35:00	31:00:00	75:35:00	82:45:00	82:45:00	89.84	88.88	282:20:00	282:20:00	90.99	90.36	82.75	295.00	82.75
23	Kadur	2	2	131	3:20:00	7:25:00	10:01:00	19:05:00	29:06:00	32:26:00	16:13:00	98.04	97.82	133:38:00	66:49:00	97.84	97.72	32.43	65.50	16.22
24	Tharikere	2	2	175	6:00:00	32:20:00	45:10:00	8:25:00	53:35:00	59:35:00	29:47:30	96.40	96.00	271:35:00	135:47:30	95.91	95.36	59.58	87.50	29.79
25	Birur	1	1	112	0:00:00	5:40:00	13:30:00	14:00:00	27:30:00	27:30:00	27:30:00	96.30	96.30	106:40:00	106:40:00	96.55	96.36	27.50	112.00	27.50

\* 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

## RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF JULY-2022

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	9	9	1434	26:52:00	80:08:00	193:07:00	243:17:00	436:24:00	463:16:00	51:28:27	93.48	93.08	1228:19:00	136:28:47	95.64	95.34	463.27	159.33	51.47
2	Kavoor	29	29	3176	96:33:00	187:33:00	442:08:00	512:11:00	954:19:00	1050:52:00	36:14:12	95.58	95.13	2981:28:00	102:48:33	96.71	96.49	1050.87	109.52	36.24
3	Puttur	61	61	12764	1516:17:00	5738:24:00	1542:53:00	2654:14:00	4197:07:00	5713:24:00	93:39:44	90.75	87.41	18815:41:00	308:27:14	92.68	89.47	5713.40	209.25	93.66
4	Bantwal	89	89	10984	735:15:00	2746:01:00	1898:03:00	1775:16:00	3673:19:00	4408:34:00	49:32:04	94.45	93.34	14707:35:00	165:15:13	95.41	94.36	4408.57	123.42	49.53
5	Udupi	45	45	4626	1749:52:00	2784:19:00	939:36:00	1289:16:00	2228:52:00	3978:44:00	88:24:59	93.34	88.12	8622:14:00	191:36:19	95.57	93.46	3978.73	102.80	88.42
6	Karkala	28	28	4047	150:38:00	406:23:00	540:35:00	798:13:00	1338:48:00	1489:26:00	53:11:39	93.57	92.85	4839:28:00	172:50:17	94.59	94.10	1489.43	144.54	53.19
7	Kundapura	55	55	7098	257:52:00	1344:38:00	1593:47:00	1547:52:00	3141:39:00	3399:31:00	61:48:34	92.32	91.69	10649:39:00	193:37:48	94.22	93.39	3399.52	129.05	61.81
8	Shivamogga	95	95	10011	166:34:00	834:43:00	6406:53:00	4294:12:00	10701:05:00	10867:39:00	114:23:47	84.86	84.62	40846:54:00	429:58:03	85.62	85.32	10867.65	105.38	114.40
9	Bhadravathi	44	44	3877	167:30:00	933:20:00	7869:18:00	3282:22:00	11151:40:00	11319:10:00	257:15:14	65.93	65.42	43942:10:00	998:41:08	66.62	65.89	11319.17	88.11	257.25
10	Sagar	88	88	10127	527:05:00	3351:10:00	5674:20:00	5545:05:00	11219:25:00	11746:30:00	133:28:59	82.86	82.06	51281:50:00	582:44:53	81.40	80.10	11746.50	115.08	133.48
11	Shikaripura	145	145	16447	1071:45:00	4874:09:00	41538:30:00	10339:00:00	51877:30:00	52949:15:00	365:10:02	51.91	50.92	208176:23:00	1435:41:57	52.11	50.97	52949.25	113.43	365.17
12	Chikkamagaluru	49	49	7764	418:04:00	1629:25:00	3251:55:00	3565:25:00	6817:20:00	7235:24:00	147:39:40	81.30	80.15	27740:32:00	566:08:00	81.80	80.66	7235.40	158.45	147.66
13	Kadur	197	197	22137	503:15:00	1781:15:00	30804:05:00	8554:59:00	39359:04:00	39862:19:00	202:20:48	73.15	72.80	168605:48:00	855:52:01	71.08	70.77	39862.32	112.37	202.35
14	Koppa	37	37	7645	1172:28:00	2614:55:00	1514:59:00	2960:45:00	4475:44:00	5648:12:00	152:39:15	83.74	79.48	16127:19:00	435:52:24	87.53	85.11	5648.20	206.62	152.65
<b>Total</b>		<b>971</b>	<b>971</b>	<b>122137</b>	<b>8560:00:00</b>	<b>29306:23:00</b>	<b>104210:09:00</b>	<b>47362:07:00</b>	<b>151572:16:00</b>	<b>160132:16:00</b>	<b>164:54:53</b>	<b>79.02</b>	<b>77.83</b>	<b>618565:20:00</b>	<b>637:02:22</b>	<b>79.27</b>	<b>78.24</b>	<b>160132.27</b>	<b>125.78</b>	<b>164.91</b>

In Shivamogga MF13 Nellisera Camp idle charged so not considered. In Sagara division, Rippenpete and Aduvalli feeders are idle, F1-Haratalu Kept Idle. Chitturu NJY Back feeding supply given on F12 feeder from 20.05.2022 due ABCable failure.

\* 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 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 higer 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**

