

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH AUGUST-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	1938	224:40:00	743:16:00	329:48:00	157:41:00	487:29:00	712:09:00	7:54:46	99.27	98.94	4551:45:00	50:34:30	98.85	98.62	712.15	21.53	7.91
2	Kavoor	36	36	1066	109:32:00	696:22:00	281:22:00	97:26:00	378:48:00	488:20:00	13:33:53	98.59	98.18	3246:46:00	90:11:17	98.07	97.54	488.33	29.61	13.56
3	Udupi	36	36	1293	2627:03:00	3373:22:00	136:13:00	115:14:00	251:27:00	2878:30:00	79:57:30	99.06	89.25	5542:39:00	153:57:45	98.36	95.81	2878.50	35.92	79.96
4	Shivamogga	43	43	1058	37:55:00	269:12:00	515:07:00	326:06:00	841:13:00	879:08:00	20:26:42	97.37	97.25	4354:44:00	101:16:22	97.41	97.24	879.13	24.60	20.44
5	Chikkamagaluru	8	8	380	0:00:00	3:00:00	57:40:00	53:35:00	111:15:00	111:15:00	13:54:22	98.13	98.13	498:05:00	62:15:37	98.31	98.30	111.25	47.50	13.91
	Total	213	213	5735	2999:10:00	5085:12:00	1320:10:00	750:02:00	2070:12:00	5069:22:00	23:47:59	98.69	96.80	18193:59:00	85:25:04	98.32	97.67	5069.37	26.92	23.80

Note: In Shivamogga division, MF-11 cable fault from 08.11.21.

* 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 AUGUST-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	461	0:16:00	50:44:00	102:06:00	45:05:00	147:11:00	147:27:00	18:25:53	97.53	97.52	1188:05:00	148:30:37	96.13	95.96	147.45	57.63	18.43
2	Bantwal	9	9	663	29:20:00	72:00:00	55:50:00	140:29:00	196:19:00	225:39:00	25:04:20	97.07	96.63	748:54:00	83:12:40	97.95	97.73	225.65	73.67	25.07
3	Belthangadi	2	2	169	0:20:00	1:20:00	35:51:00	12:52:00	48:43:00	49:03:00	24:31:30	96.73	96.70	251:00:00	125:30:00	96.60	96.58	49.05	84.50	24.53
4	Puttur	12	12	1078	5:45:00	121:45:00	159:37:00	143:32:00	303:09:00	308:54:00	25:44:30	96.60	96.54	2127:01:00	177:15:05	95.45	95.17	308.90	89.83	25.74
5	Kadaba	2	2	362	68:52:00	402:08:00	16:18:00	42:43:00	59:01:00	127:53:00	63:56:30	96.03	91.41	783:26:00	391:43:00	94.81	89.33	127.88	181.00	63.94
6	Sullia	4	4	753	126:00:00	809:55:00	73:05:00	99:40:00	172:45:00	298:45:00	74:41:15	94.20	89.96	1487:15:00	371:48:45	95.39	89.87	298.75	188.25	74.69
7	Karkala	5	5	215	0:14:00	22:46:00	92:58:00	447:53:00	540:51:00	541:05:00	108:13:00	85.46	85.45	1575:33:00	315:06:36	91.54	91.42	541.08	43.00	108.22
8	Kaup	3	3	304	73:15:00	284:37:00	21:06:00	28:47:00	49:53:00	123:08:00	41:02:40	97.77	94.48	704:55:00	234:58:20	96.18	93.60	123.13	101.33	41.04
9	Kundapura	5	5	214	50:10:00	103:12:00	40:10:00	19:26:00	59:36:00	109:46:00	21:57:12	98.40	97.05	579:59:00	115:59:48	97.40	96.84	109.77	42.80	21.95
10	Bhadravathi	27	27	600	13:55:00	197:45:00	295:23:00	92:54:00	388:17:00	402:12:00	14:53:47	98.07	98.00	3435:30:00	127:14:27	96.73	96.53	402.20	22.22	14.90
11	Thirthahalli	3	3	112	0:00:00	12:30:00	12:30:00	19:15:00	31:45:00	31:45:00	10:35:00	98.58	98.58	125:40:00	41:53:20	98.97	98.86	31.75	37.33	10.58
12	Soraba	1	1	118	1:30:00	10:20:00	41:40:00	4:45:00	46:25:00	47:55:00	47:55:00	93.76	93.56	283:05:00	283:05:00	92.57	92.29	47.92	118.00	47.92
13	Hosnagara	1	1	55	12:05:00	129:25:00	26:30:00	8:25:00	34:55:00	47:00:00	47:00:00	95.31	93.68	255:50:00	255:50:00	96.56	93.03	47.00	55.00	47.00
14	Sagar	7	7	295	0:00:00	31:50:00	115:30:00	66:45:00	182:15:00	182:15:00	26:02:09	96.50	96.50	1243:15:00	177:36:26	95.29	95.16	182.25	42.14	26.04
15	Jog	3	3	115	0:00:00	30:15:00	17:35:00	31:00:00	48:35:00	48:35:00	16:11:40	97.82	97.82	333:50:00	111:16:40	97.24	96.97	48.58	38.33	16.19
16	Shikaripura	7	7	226	9:55:00	172:40:00	26:45:00	35:25:00	62:10:00	72:05:00	10:17:51	98.81	98.62	565:15:00	80:45:00	98.47	97.80	72.08	32.29	10.30
17	Shiralkoppa	1	1	53	2:25:00	28:30:00	14:10:00	1:50:00	16:00:00	18:25:00	18:25:00	97.85	97.52	133:55:00	133:55:00	97.13	96.35	18.42	53.00	18.42
18	Anavatti	2	2	157	2:55:00	72:10:00	34:25:00	12:30:00	46:55:00	49:50:00	24:55:00	96.85	96.65	824:00:00	412:00:00	89.76	88.78	49.83	78.50	24.92
19	Mudigere	1	1	126	11:55:00	52:25:00	30:15:00	17:50:00	48:05:00	60:00:00	60:00:00	93.54	91.94	237:35:00	237:35:00	94.96	93.53	60.00	126.00	60.00
20	Koppa	1	1	112	7:50:00	54:45:00	21:25:00	4:25:00	25:50:00	33:40:00	33:40:00	96.53	95.47	212:45:00	212:45:00	95.70	94.21	33.67	112.00	33.67
21	Sringeri	1	1	171	28:55:00	199:42:00	15:10:00	6:33:00	21:43:00	50:38:00	50:38:00	97.08	93.19	285:45:00	285:45:00	97.66	92.22	50.63	171.00	50.63
22	N.R.Pura	1	1	205	2:50:00	21:20:00	28:20:00	24:55:00	53:15:00	56:05:00	56:05:00	92.84	92.46	338:25:00	338:25:00	91.36	90.78	56.08	205.00	56.08
23	Kadur	2	2	116	7:26:00	14:51:00	7:40:00	32:40:00	40:20:00	47:46:00	23:53:00	97.29	96.79	181:24:00	90:42:00	97.73	97.53	47.77	58.00	23.88
24	Tharikere	2	2	206	30:10:00	62:30:00	32:35:00	16:30:00	49:05:00	79:15:00	39:37:30	96.70	94.67	350:50:00	175:25:00	96.07	95.22	79.25	103.00	39.63
25	Birur	1	1	60	10:55:00	16:35:00	11:15:00	2:40:00	13:55:00	24:50:00	24:50:00	98.13	96.66	131:30:00	131:30:00	96.87	96.42	24.83	60.00	24.83
	Total	111	111	6946	496:58:00	2976:00:00	1328:09:00	1358:49:00	2686:58:00	3183:56:00	28:41:03	96.75	96.14	18384:42:00	165:37:41	96.22	95.49	3183.93	62.58	28.68

* 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]

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Superintending Engineer(Ele)(Tech)
MESCOM,Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III

FORM-III

RELIABILITY INDICES FOR RURAL AREAS (exluding EIP feeders) IN MESCOM FOR THE MONTH OF AUGUST-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	697	4:14:00	84:22:00	74:54:00	79:50:00	154:44:00	158:58:00	17:39:47	97.69	97.63	1387:17:00	154:08:33	96.06	95.80	158.97	77.44	17.66
2	Kavoor	29	29	1706	0:32:00	188:05:00	300:15:00	154:15:00	454:30:00	455:02:00	15:41:27	97.89	97.89	3436:30:00	118:30:00	96.95	96.77	455.03	58.83	15.69
3	Puttur	58	58	8194	941:57:00	6680:21:00	922:44:00	1279:49:00	2202:33:00	3144:30:00	54:12:56	94.90	92.71	21960:11:00	378:37:26	92.83	89.69	3144.50	141.28	54.22
4	Bantwal	89	89	11661	807:25:00	3553:26:00	1644:55:00	2215:27:00	3860:22:00	4667:47:00	52:26:49	94.17	92.95	19375:22:00	217:42:03	95.16	94.07	4667.78	131.02	52.45
5	Udupi	45	45	2722	223:29:00	3007:48:00	973:57:00	420:07:00	1394:04:00	1617:33:00	35:56:44	95.84	95.17	10239:47:00	227:33:03	95.62	93.80	1617.55	60.49	35.95
6	Karkala	28	28	2074	66:15:00	472:38:00	396:20:00	435:00:00	831:20:00	897:35:00	32:03:24	96.01	95.69	5737:03:00	204:53:41	94.88	94.42	897.58	74.07	32.06
7	Kundapura	58	58	3984	545:13:00	1889:51:00	914:42:00	670:43:31	1585:25:31	2130:38:31	36:44:07	96.33	95.06	12780:17:31	220:21:00	94.89	94.00	2130.64	68.69	36.74
8	Shivamogga	69	69	5529	82:20:00	664:58:00	1041:51:00	3058:54:28	4100:45:28	4183:05:28	60:37:28	92.01	91.85	21879:54:28	317:06:00	91.63	91.36	4183.09	80.13	60.62
9	Bhadravathi	21	21	1364	112:20:00	485:56:00	464:14:00	665:15:00	1129:29:00	1241:49:00	59:08:03	92.77	92.05	8457:31:00	402:44:20	89.66	89.03	1241.82	64.95	59.13
10	Sagar	72	72	6218	641:25:00	3820:35:00	3630:20:00	2556:35:00	6186:55:00	6828:20:00	94:50:17	88.45	87.25	36678:00:00	509:25:00	87.54	86.13	6828.33	86.36	94.84
11	Shikaripura	54	54	4295	90:17:00	2073:57:00	2231:10:00	2512:15:00	4743:25:00	4833:42:00	89:30:47	88.19	87.97	34866:23:00	645:40:26	83.46	82.42	4833.70	79.54	89.51
12	Chikkamagaluru	49	49	7000	309:37:00	1939:02:00	2543:43:00	3008:14:00	5551:57:00	5861:34:00	119:37:26	84.77	83.92	33602:06:00	685:45:26	82.40	81.32	5861.57	142.86	119.62
13	Kadur	67	67	5175	303:50:00	1155:15:00	2337:45:00	1598:34:00	3936:19:00	4240:09:00	63:17:09	92.10	91.49	21403:36:00	319:27:24	91.77	91.30	4240.15	77.24	63.29
14	Koppa	37	37	5564	403:17:00	3018:12:00	1051:30:00	1954:40:00	3006:10:00	3409:27:00	92:08:50	89.08	87.61	19536:46:00	528:01:15	87.84	85.62	3409.45	150.38	92.15
	Total	685	685	66183	4532:11:00	29034:26:00	18528:20:00	20609:38:59	39137:58:59	43670:09:59	63:45:07	92.32	91.43	251340:43:59	366:55:15	91.16	90.01	43670.17	96.62	63.75

Excluding IP feeders

In Shivamogga MF13 - Nellisera Camp idle charged, Aladahalli feeder cable fault 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, In Puttur division Campco, Mukve,Perlampady are idle charged .

* 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

FORM-III

RELIABILITY INDICES FOR EIP FEEDERS IN MESCOM FOR THE MONTH OF AUGUST-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	Shivamogga	25	25	2885	69:45:00	321:50:00	5158:34:00	11:22:32	5169:56:32	5239:41:32	209:35:16	72.20	71.83	28389:46:32	1135:35:28	69.42	69.07	5239.69	115.40	209.59
2	Bhadravathi	25	25	2458	153:10:00	712:54:00	7894:05:00	1642:46:00	9536:51:00	9690:01:00	387:36:02	48.73	47.90	46416:29:00	1856:39:34	50.21	49.44	9690.02	98.32	387.60
3	Sagar	18	18	2130	23:35:00	195:35:00	2136:50:00	1674:30:00	3811:20:00	3834:55:00	213:03:03	71.54	71.36	25267:05:00	1403:43:37	62.07	61.77	3834.92	118.33	213.05
4	Shikaripura	92	92	10979	179:55:00	3070:24:00	37581:58:00	7823:19:00	45405:17:00	45585:12:00	495:29:29	33.66	33.40	223728:54:00	2431:50:09	34.68	33.77	45585.20	119.34	495.49
5	Kadur	129	129	17871	480:41:00	1410:31:00	25645:25:00	6618:47:00	32264:12:00	32744:53:00	251:53:01	66.64	66.14	184187:14:00	1416:49:30	61.71	61.42	32744.88	137.47	251.88
	Total	289	289	36323	907:06:00	5711:14:00	78416:52:00	17770:44:32	96187:36:32	97094:42:32	334:48:34	55.42	55.00	507989:28:32	1751:41:16	52.83	52.30	97094.71	125.25	334.81

* 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 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