

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH MAY-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	2428	149:17:00	378:58:00	624:19:11	285:08:23	909:27:34	1058:44:34	10:54:54	98.74	98.53	1708:41:34	17:36:55	99.06	98.80	1058.74	25.03	10.91
2	Kavoor	37	37	1180	56:32:00	136:52:00	202:06:00	122:46:00	324:52:00	381:24:00	10:18:29	98.82	98.61	831:36:00	22:28:32	98.72	98.46	381.40	31.89	10.31
3	Udupi	39	39	1522	184:59:00	191:28:00	263:43:00	206:24:00	470:07:00	655:06:00	16:47:51	98.38	97.74	862:12:00	22:06:28	98.83	98.49	655.10	39.03	16.80
4	Shivamogga	45	45	1152	82:03:00	92:38:00	158:51:00	161:50:00	320:41:00	402:44:00	8:56:59	99.04	98.80	689:51:00	15:19:48	99.09	98.95	402.73	25.60	8.95
5	Chikkamagaluru	8	8	324	1:00:00	16:34:00	62:49:00	31:32:00	94:21:00	95:21:00	11:55:07	98.41	98.40	257:14:00	32:09:15	97.95	97.80	95.35	40.50	11.92
	Total	226	226	6606	473:51:00	816:30:00	1311:48:11	807:40:23	2119:28:34	2593:19:34	11:28:30	98.74	98.46	4349:34:34	19:14:45	98.93	98.69	2593.33	29.23	11.47

* 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 MAY-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	484	34:04:00	34:38:00	148:03:00	89:37:00	237:40:00	271:44:00	33:58:00	96.01	95.43	366:39:00	45:49:53	97.17	96.87	271.73	60.50	33.97
2	Bantwal	9	9	358	13:24:00	21:40:00	64:09:00	20:22:00	84:31:00	97:55:00	10:52:47	98.74	98.54	162:15:00	18:01:40	98.93	98.77	97.92	39.78	10.88
3	Belthangadi	2	2	139	6:11:00	8:15:00	16:14:00	18:34:00	34:48:00	40:59:00	20:29:30	97.66	97.25	65:51:00	32:55:30	98.03	97.75	40.98	69.50	20.49
4	Puttur	12	12	1293	25:25:00	28:45:00	123:27:00	261:30:00	384:57:00	410:22:00	34:11:50	95.69	95.40	551:04:00	45:55:20	97.03	96.86	410.37	107.75	34.20
5	Kadaba	2	2	310	76:52:00	109:28:00	27:52:00	45:51:00	73:43:00	150:35:00	75:17:30	95.05	89.88	225:26:00	112:43:00	96.04	92.30	150.58	155.00	75.29
6	Sullia	4	4	722	188:00:00	278:00:00	72:45:00	57:25:00	130:10:00	318:10:00	79:32:30	95.63	89.31	498:15:00	124:33:45	96.24	91.49	318.17	180.50	79.54
7	Karkala	4	4	157	8:30:00	8:30:00	12:54:00	17:52:00	30:46:00	39:16:00	9:49:00	98.97	98.68	62:01:00	15:30:15	99.09	98.94	39.27	39.25	9.82
8	Kaup	3	3	259	35:54:00	61:24:00	43:02:00	41:14:00	84:16:00	120:10:00	40:03:20	96.22	94.62	162:32:00	54:10:40	97.70	96.30	120.17	86.33	40.06
9	Kundapura	5	5	124	20:09:00	21:20:00	33:17:00	20:03:00	53:20:00	73:29:00	14:41:48	98.57	98.02	115:59:00	23:11:48	98.71	98.42	73.48	24.80	14.70
10	Bhadravathi	27	27	794	56:49:00	60:54:00	1779:17:00	107:19:00	1886:36:00	1943:25:00	71:58:42	90.61	90.33	3616:20:00	133:56:18	91.01	90.85	1943.42	29.41	71.98
11	Thirthahalli	3	3	66	3:30:00	4:45:00	8:10:00	4:40:00	12:50:00	16:20:00	5:26:40	99.43	99.27	24:00:00	8:00:00	99.56	99.45	16.33	22.00	5.44
12	Soraba	2	2	174	9:05:00	12:05:00	54:10:00	29:25:00	83:35:00	92:40:00	46:20:00	94.38	93.77	139:40:00	69:50:00	95.64	95.23	92.67	87.00	46.33
13	Hosnagara	1	1	67	49:25:00	83:00:00	8:05:00	6:00:00	14:05:00	63:30:00	63:30:00	98.11	91.47	126:40:00	126:40:00	97.02	91.35	63.50	67.00	63.50
14	Sagar	7	7	332	13:20:00	17:20:00	106:15:00	59:40:00	165:55:00	179:15:00	25:36:26	96.81	96.56	300:40:00	42:57:09	97.24	97.07	179.25	47.43	25.61
15	Jog	3	3	133	9:30:00	10:15:00	38:45:00	24:00:00	62:45:00	72:15:00	24:05:00	97.19	96.76	106:20:00	35:26:40	97.81	97.58	72.25	44.33	24.08
16	Shikaripura	7	7	285	6:30:00	10:00:00	69:05:00	38:30:00	107:35:00	114:05:00	16:17:51	97.93	97.81	173:20:00	24:45:43	98.41	98.31	114.08	40.71	16.30
17	Shiralkoppa	1	1	63	1:20:00	18:50:00	8:35:00	8:00:00	16:35:00	17:55:00	17:55:00	97.77	97.59	47:05:00	47:05:00	98.07	96.78	17.92	63.00	17.92
18	Anavatti	2	2	155	18:10:00	19:35:00	46:55:00	19:55:00	66:50:00	85:00:00	42:30:00	95.51	94.29	112:40:00	56:20:00	96.82	96.15	85.00	77.50	42.50
19	Mudigere	1	1	67	23:05:00	30:50:00	12:30:00	3:45:00	16:15:00	39:20:00	39:20:00	97.82	94.71	62:55:00	62:55:00	97.81	95.70	39.33	67.00	39.33
20	Koppa	1	1	111	17:30:00	22:25:00	11:25:00	12:45:00	24:10:00	41:40:00	41:40:00	96.75	94.40	88:10:00	88:10:00	95.51	93.98	41.67	111.00	41.67
21	Sringeri	1	1	115	37:45:00	71:35:00	12:44:00	3:59:00	16:43:00	54:28:00	54:28:00	97.75	92.68	98:44:00	98:44:00	98.15	93.26	54.47	115.00	54.47
22	N.R.Pura	1	1	220	15:00:00	29:24:00	33:05:00	20:15:00	53:20:00	68:20:00	68:20:00	92.83	90.82	129:14:00	129:14:00	93.18	91.17	68.33	220.00	68.33
23	Kadur	2	2	160	3:00:00	3:00:00	35:39:00	18:25:00	54:04:00	57:04:00	28:32:00	96.37	96.16	102:12:00	51:06:00	96.61	96.51	57.07	80.00	28.53
24	Tharikere	2	2	134	3:20:00	3:50:00	35:25:00	18:40:00	54:05:00	57:25:00	28:42:30	96.37	96.14	116:35:00	58:17:30	96.15	96.02	57.42	67.00	28.71
25	Birur	1	1	69	1:45:00	2:00:00	19:15:00	6:50:00	26:05:00	27:50:00	27:50:00	96.49	96.26	58:15:00	58:15:00	96.16	96.02	27.83	69.00	27.83
	Total	111	111	6791	677:33:00	971:48:00	2821:03:00	954:36:00	3775:39:00	4453:12:00	40:07:08	95.43	94.61	7512:52:00	67:41:01	95.97	95.38	4453.20	61.18	40.12

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 MAY-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	704	20:08:00	31:44:00	109:40:00	103:32:00	213:12:00	233:20:00	23:20:00	97.13	96.86	368:51:00	36:53:06	97.70	97.48	233.33	70.40	23.33
2	Kavoor	30	30	1770	78:23:00	79:46:00	439:09:00	310:53:00	750:02:00	828:25:00	27:36:50	96.64	96.29	1109:42:00	36:59:24	97.65	97.47	828.42	59.00	27.61
3	Puttur	60	60	9683	1798:30:00	2404:01:00	1130:09:00	2132:51:00	3263:00:00	5061:30:00	84:21:30	92.69	88.66	7532:17:00	125:32:17	94.16	91.42	5061.50	161.38	84.36
4	Bantwal	94	94	8812	664:10:00	1047:19:00	1283:11:00	1762:49:00	3046:00:00	3710:10:00	39:28:11	95.64	94.69	6254:30:00	66:32:14	96.22	95.46	3710.17	93.74	39.47
5	Udupi	49	49	2621	182:14:00	231:37:00	368:37:00	387:35:00	756:12:00	938:26:00	19:09:06	97.93	97.43	1512:49:00	30:52:26	98.21	97.89	938.43	53.49	19.15
6	Karkala	31	31	2159	123:26:00	132:36:00	371:15:00	320:57:00	692:12:00	815:38:00	26:18:39	97.00	96.46	1248:27:00	40:16:21	97.54	97.25	815.63	69.65	26.31
7	Kundapura	61	61	3786	446:42:00	477:01:00	878:27:00	608:27:00	1486:54:00	1933:36:00	31:41:54	96.72	95.74	3672:21:00	60:12:09	96.42	95.89	1933.60	62.07	31.70
8	Shivamogga	73	73	6158	253:01:00	291:36:00	1544:26:00	1489:13:00	3033:39:00	3286:40:00	45:01:22	94.41	93.95	5707:31:00	78:11:07	94.93	94.66	3286.67	84.36	45.02
9	Bhadravathi	21	21	1574	81:06:00	130:41:00	1153:09:00	1072:57:00	2226:06:00	2307:12:00	109:52:00	85.75	85.23	3695:40:00	175:59:03	88.40	87.98	2307.20	74.95	109.87
10	Sagar	79	79	6937	764:55:00	1157:50:00	6203:35:00	2331:15:00	8534:50:00	9299:45:00	117:43:06	85.48	84.18	18099:00:00	229:06:05	85.35	84.35	9299.75	87.81	117.72
11	Shikaripura	62	62	5843	325:20:00	401:17:00	10536:03:00	2629:35:00	13165:38:00	13490:58:00	217:35:46	71.46	70.75	27597:04:00	445:06:50	70.04	69.60	13490.97	94.24	217.60
12	Chikkamagaluru	49	49	6512	341:12:00	596:41:00	5463:37:00	1972:15:00	7435:52:00	7777:04:00	158:42:56	79.60	78.67	13914:12:00	283:57:48	81.44	80.60	7777.07	132.90	158.72
13	Kadur	68	68	5783	269:45:00	436:50:00	3438:20:00	1647:05:00	5085:25:00	5355:10:00	78:45:09	89.95	89.41	10865:03:00	159:46:49	89.52	89.09	5355.17	85.04	78.75
14	Koppa	38	38	5315	677:54:00	1108:04:00	2287:45:00	1340:03:00	3627:48:00	4305:42:00	113:18:28	87.17	84.77	9096:45:00	239:23:17	85.64	83.65	4305.70	139.87	113.31
	Total	725	725	67657	6026:46:00	8527:03:00	35207:23:00	18109:27:00	53316:50:00	59343:36:00	81:51:12	90.12	89.00	110674:12:00	152:39:15	90.38	89.57	59343.60	93.32	81.85

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= $\frac{[(\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month}) - (\text{outage duration of all 11kv feeders during the month in Hrs as in columns 8})]}{(\text{Total No of 11kv Feeders} \times 24 \text{ Hrs} \times \text{No. of days in the Month})} \times 100$

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

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

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 MAY-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	3714	94:49:00	108:14:00	6399:15:00	676:17:00	7075:32:00	7170:21:00	275:46:58	63.42	62.93	13928:36:00	535:42:55	63.69	63.41	7170.35	142.85	275.78
9	Bhadravathi	26	26	3316	120:46:00	216:11:00	7441:13:00	1456:38:00	8897:51:00	9018:37:00	346:52:12	54.00	53.38	18352:19:00	705:51:30	52.35	51.79	9018.62	127.54	346.87
10	Sagar	20	20	2366	34:25:00	111:40:00	6558:05:00	1127:20:00	7685:25:00	7719:50:00	385:59:30	48.35	48.12	15334:55:00	766:44:45	48.01	47.63	7719.83	118.30	385.99
11	Shikaripura	98	98	11773	169:25:00	347:56:00	42964:58:00	5501:10:00	48466:08:00	48635:33:00	496:16:52	33.53	33.30	94706:44:00	966:23:43	34.23	33.99	48635.55	120.13	496.28
13	Kadur	139	139	18025	438:35:00	645:35:00	31981:22:00	7507:00:00	39488:22:00	39926:57:00	287:14:39	61.82	61.39	75833:38:00	545:33:57	63.05	62.73	39926.95	129.68	287.24
Total		309	309	39194	858:00:00	1429:36:00	95344:53:00	16268:25:00	111613:18:00	112471:18:00	363:59:05	51.45	51.08	218156:12:00	706:00:26	52.09	51.78	112471.30	126.84	363.98

* 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