

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH NOVEMBER-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	1478	88:32:00	901:42:00	528:02:00	115:17:00	643:19:00	731:51:00	8:07:54	99.01	98.87	6122:15:00	68:01:30	99.01	98.84	731.85	16.42	8.13
2	Kavoor	36	36	992	122:13:00	916:31:00	244:40:00	94:20:00	339:00:00	461:13:00	12:48:42	98.69	98.22	4345:13:00	120:42:02	98.37	97.94	461.22	27.56	12.81
3	Udupi	36	36	1052	141:58:00	5756:05:00	180:25:00	91:59:00	272:24:00	414:22:00	11:30:37	98.95	98.40	8633:47:00	239:49:38	98.63	95.90	414.37	29.22	11.51
4	Shivamogga	43	43	685	11:05:00	311:27:00	218:12:00	44:28:00	262:40:00	273:45:00	6:21:59	99.15	99.12	5732:13:00	133:18:27	97.85	97.72	273.75	15.93	6.37
5	Chikkamagaluru	8	8	267	26:36:00	31:48:00	65:22:00	21:25:00	86:47:00	113:23:00	14:10:22	98.49	98.03	809:35:00	101:11:52	98.34	98.27	113.38	33.38	14.17
	Total	213	213	4474	390:24:00	7917:33:00	1236:41:00	367:29:00	1604:10:00	1994:34:00	9:21:51	98.95	98.70	25643:03:00	120:23:24	98.58	97.94	1994.57	21.00	9.36

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(El)(Tech)
MESCOM,Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- II

FORM-II

RELIABILITY INDICES FOR TOWN & CITIES IN MESCOM FOR THE MONTH OF NOVEMBER-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	287	11:16:00	86:32:00	185:59:00	29:59:00	215:58:00	227:14:00	28:24:15	96.25	96.05	1718:52:00	214:51:30	96.52	96.33	227.23	35.88	28.40
2	Bantwal	9	9	433	16:40:00	164:32:00	68:42:00	17:15:00	85:57:00	102:37:00	11:24:07	98.67	98.42	1259:13:00	139:54:47	97.92	97.61	102.62	48.11	11.40
3	Belthangadi	2	2	111	19:50:00	22:10:00	14:50:00	13:10:00	28:00:00	47:50:00	23:55:00	98.06	96.68	394:54:00	197:27:00	96.82	96.63	47.83	55.50	23.92
4	Puttur	12	12	752	24:35:00	191:20:00	106:00:00	101:58:00	207:58:00	232:33:00	19:22:45	97.59	97.31	2884:17:00	240:21:25	96.17	95.90	232.55	62.67	19.38
5	Kadaba	2	2	224	52:38:00	525:44:00	13:20:00	31:26:00	44:46:00	97:24:00	48:42:00	96.89	93.24	1045:24:00	522:42:00	95.56	91.07	97.40	112.00	48.70
6	Sullia	4	4	427	84:00:00	1094:15:00	37:25:00	23:25:00	60:50:00	144:50:00	36:12:30	97.89	94.97	1975:40:00	493:55:00	96.24	91.57	144.83	106.75	36.21
7	Karkala	5	5	177	0:00:00	22:46:00	83:05:00	4:06:00	87:11:00	87:11:00	17:26:12	97.58	97.58	1831:17:00	366:15:24	93.82	93.75	87.18	35.40	17.44
8	Kaup	3	3	222	68:06:00	411:40:00	16:48:00	26:01:00	42:49:00	110:55:00	36:58:20	98.02	94.86	956:05:00	318:41:40	96.90	94.56	110.92	74.00	36.97
9	Kundapura	5	5	143	59:32:00	221:42:00	33:18:00	10:17:00	43:35:00	103:07:00	20:37:24	98.79	97.14	834:43:00	166:56:36	97.91	97.15	103.12	28.60	20.62
10	Bhadravathi	27	27	407	44:29:00	329:14:00	239:13:00	30:02:00	269:15:00	313:44:00	11:37:11	98.61	98.39	4708:10:00	174:22:36	97.23	97.02	313.73	15.07	11.62
11	Thirthahalli	3	3	56	0:15:00	14:00:00	9:40:00	6:15:00	15:55:00	16:10:00	5:23:20	99.26	99.25	168:25:00	56:08:20	99.12	99.04	16.17	18.67	5.39
12	Soraba	1	1	31	0:10:00	13:40:00	342:50:00	5:40:00	348:30:00	348:40:00	348:40:00	51.60	51.57	690:50:00	690:50:00	88.44	88.20	348.67	31.00	348.67
13	Hosnagara	1	1	55	18:35:00	190:20:00	11:55:00	3:25:00	15:20:00	33:55:00	33:55:00	97.87	95.29	356:40:00	356:40:00	97.16	93.91	33.92	55.00	33.92
14	Sagar	7	7	183	0:00:00	45:10:00	37:20:00	17:55:00	55:15:00	55:15:00	7:53:34	98.90	98.90	1507:10:00	215:18:34	96.43	96.32	55.25	26.14	7.89
15	Jog	3	3	29	0:00:00	48:00:00	2:55:00	7:00:00	9:55:00	9:55:00	3:18:20	99.54	99.54	409:25:00	136:28:20	97.94	97.67	9.92	9.67	3.31
16	Shikaripura	7	7	125	22:55:00	277:00:00	15:20:00	9:45:00	25:05:00	48:00:00	6:51:26	99.50	99.05	777:30:00	111:04:17	98.78	98.10	48.00	17.86	6.86
17	Shiralkoppa	1	1	35	2:25:00	34:15:00	9:10:00	1:40:00	10:50:00	13:15:00	13:15:00	98.50	98.16	175:15:00	175:15:00	97.59	97.01	13.25	35.00	13.25
18	Anavatti	2	2	123	15:45:00	96:50:00	38:40:00	3:35:00	42:15:00	58:00:00	29:00:00	97.07	95.97	958:10:00	479:05:00	92.65	91.82	58.00	61.50	29.00
19	Mudigere	1	1	54	10:20:00	65:40:00	10:25:00	4:50:00	15:15:00	25:35:00	25:35:00	97.88	96.45	303:15:00	303:15:00	95.94	94.82	25.58	54.00	25.58
20	Koppa	1	1	43	10:25:00	81:40:00	4:45:00	2:20:00	7:05:00	17:30:00	17:30:00	99.02	97.57	267:05:00	267:05:00	96.83	95.44	17.50	43.00	17.50
21	Sringeri	1	1	65	34:33:00	279:40:00	3:33:00	1:49:00	5:22:00	39:55:00	39:55:00	99.25	94.46	387:53:00	387:53:00	98.15	93.38	39.92	65.00	39.92
22	N.R.Pura	1	1	139	4:45:00	37:20:00	17:55:00	8:35:00	26:30:00	31:15:00	31:15:00	96.32	95.66	485:55:00	485:55:00	92.34	91.70	31.25	139.00	31.25
23	Kadur	2	2	147	0:00:00	15:31:00	16:25:00	9:28:00	25:53:00	25:53:00	12:56:30	98.20	98.20	271:52:00	135:56:00	97.81	97.68	25.88	73.50	12.94
24	Tharikere	2	2	124	5:30:00	91:00:00	30:25:00	6:35:00	37:00:00	42:30:00	21:15:00	97.43	97.05	496:40:00	248:20:00	96.54	95.76	42.50	62.00	21.25
25	Birur	1	1	52	2:45:00	19:35:00	9:15:00	3:40:00	12:55:00	15:40:00	15:40:00	98.21	97.82	169:40:00	169:40:00	97.44	97.10	15.67	52.00	15.67
	Total	111	111	4444	509:29:00	4379:36:00	1359:13:00	380:11:00	1739:24:00	2248:53:00	20:15:37	97.82	97.19	25034:20:00	225:32:04	96.82	96.15	2248.88	40.04	20.26

* 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 (EXCLUDING EIP FEEDERS)IN MESCOM FOR THE MONTH OF NOVEMBER-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	585	144:38:00	244:01:00	26:43:00	57:59:00	84:42:00	229:20:00	25:28:53	98.69	96.46	1891:42:00	210:11:20	96.87	96.41	229.33	65.00	25.48
2	Kavoor	30	30	1168	30:47:00	265:49:00	306:11:00	129:39:00	435:50:00	466:37:00	15:33:14	97.98	97.84	4786:14:00	159:32:28	97.43	97.28	466.62	38.93	15.55
3	Puttur	60	60	5427	784:37:00	8741:07:00	655:37:00	751:12:00	1406:49:00	2191:26:00	36:31:26	96.74	94.93	28437:11:00	473:57:11	94.39	91.91	2191.43	90.45	36.52
4	Bantwal	93	93	5847	377:51:00	4989:34:00	2033:38:00	954:00:00	2987:38:00	3365:29:00	36:11:17	95.54	94.97	28755:22:00	309:11:51	95.64	94.72	3365.48	62.87	36.19
5	Udupi	45	45	1850	1524:14:00	4792:23:00	489:37:00	210:58:00	700:35:00	2224:49:00	49:26:25	97.84	93.13	14053:15:00	312:17:40	96.49	94.67	2224.82	41.11	49.44
6	Karkala	30	30	1406	81:36:00	659:34:00	267:10:00	92:20:00	359:30:00	441:06:00	14:42:12	98.34	97.96	7388:40:00	246:17:20	96.17	95.79	441.10	46.87	14.70
7	Kundapura	60	60	3357	1072:59:00	3735:02:00	791:14:00	342:17:00	1133:31:00	2206:30:00	36:46:30	97.38	94.89	17574:37:31	292:54:38	96.06	95.00	2206.50	55.95	36.78
8	Shivamogga	72	72	3691	69:01:00	1079:01:00	816:54:00	683:13:00	1500:07:00	1569:08:00	21:47:37	97.11	96.97	27827:13:28	386:29:21	93.66	93.40	1569.13	51.26	21.79
9	Bhadravathi	21	21	1236	78:44:00	812:05:00	1045:02:00	1111:15:00	2156:17:00	2235:01:00	106:25:46	85.74	85.22	14835:23:00	706:26:49	88.60	87.94	2235.02	58.86	106.43
10	Sagar	77	77	4388	372:55:00	4953:10:00	4126:05:00	999:45:00	5125:50:00	5498:45:00	71:24:44	90.75	90.08	51686:45:00	671:15:23	92.70	88.54	5498.75	56.99	71.41
11	Shikaripura	54	54	4181	335:46:00	2677:50:00	6946:54:00	572:05:00	7518:59:00	7854:45:00	145:27:30	80.66	79.80	51142:12:00	947:04:40	84.67	83.83	7854.75	77.43	145.46
12	Chikkamagaluru	49	49	4487	211:07:00	2220:33:00	4256:50:00	969:28:00	5226:18:00	5437:25:00	110:58:04	85.19	84.59	46541:24:00	949:49:28	84.55	83.78	5437.42	91.57	110.97
13	Kadur	67	67	3943	279:35:00	1939:40:00	2212:05:00	893:15:00	3105:20:00	3384:55:00	50:31:16	93.56	92.98	31464:15:00	469:36:56	92.47	91.98	3384.92	58.85	50.52
14	Koppa	37	37	3145	379:51:00	3927:29:00	537:22:00	580:17:00	1117:39:00	1497:30:00	40:28:23	95.80	94.38	24631:08:00	665:42:23	90.44	88.63	1497.50	85.00	40.47
	Total	704	704	44711	5743:41:00	41037:18:00	24511:22:00	8347:43:00	32859:05:00	38602:46:00	54:50:01	93.52	92.38	351015:21:59	498:36:05	92.48	91.49	38602.77	63.51	54.83

In Shivamogga MF13 - Nellisera Camp idle charged, Aladahalli feeder cable fault. MF-18 NJY Hosalli feeder cable faulty & MF-12 Manvi feeder Idle charged & load taken on MF-2..In Sagara division, Rippenpete and Aduvalli feeders are idle. In Puttur division Campco, Mukve,Perlampady are idle charged .

* 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

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III

FORM-III

RELIABILITY INDICES FOR EIP FEEDERS IN MESCOM FOR THE MONTH OF NOVEMBER-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				Reliability for Cumulative Period				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 (in Hrs) for FY-23	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	25	25	2917	33:13:00	704:00:00	5031:16:00	368:05:00	5399:21:00	5432:34:00	217:18:10	70.00	69.82	44998:29:32	45702:29:32	1828:05:59	69.26	68.78	5432.57	116.68	217.30
9	Bhadravathi	25	25	3156	107:19:00	1165:48:00	7401:55:00	947:34:00	8349:29:00	8456:48:00	338:16:19	53.61	53.02	72050:43:00	73216:31:00	2928:39:38	50.79	49.99	8456.80	126.24	338.27
10	Sagar	19	19	1245	13:20:00	258:45:00	6334:40:00	301:10:00	6635:50:00	6649:10:00	349:57:22	51.49	51.39	25071:30:00	38008:45:00	2000:27:38	77.47	65.84	6649.17	65.53	349.96
11	Shikaripura	92	92	10497	414:55:00	4078:50:00	41883:53:00	3131:28:00	45015:21:00	45430:16:00	493:48:26	32.04	31.42	354530:00:00	358608:50:00	3897:55:20	34.19	33.44	45430.27	114.10	493.81
13	Kadur	130	130	15944	610:30:00	2845:26:00	28150:50:00	4724:06:00	32874:56:00	33485:26:00	257:34:49	64.88	64.22	279882:09:00	282727:35:00	2174:49:39	63.24	62.86	33485.43	122.65	257.58
	Total	291	291	33759	1179:17:00	9052:49:00	88802:34:00	9472:23:00	98274:57:00	99454:14:00	341:46:02	53.10	52.53	789211:21:32	798264:10:32	2743:10:33	53.69	53.16	99454.23	116.01	341.77

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

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