

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH JUNE-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	89	89	2351	24:59:00	308:06:00	513:51:00	321:15:00	835:06:00	860:05:00	8:46:35	98.82	98.78	2516:13:00	25:40:32	98.97	98.82	860.08	23.99	8.78
2	Kavoor	36	36	1478	160:27:00	358:24:00	237:08:00	196:10:00	433:18:00	593:45:00	16:29:35	98.33	97.71	1706:01:00	47:23:22	98.29	97.83	593.75	41.06	16.49
3	Udupi	34	34	1927	247:38:00	514:28:00	278:39:00	178:08:00	456:47:00	704:25:00	20:43:05	98.13	97.12	1856:00:00	54:35:18	98.19	97.50	704.42	56.68	20.72
4	Shivamogga	41	41	958	35:00:00	203:39:00	669:13:00	87:07:00	756:20:00	791:20:00	19:18:03	97.44	97.32	2767:33:00	67:30:04	97.14	96.91	791.33	23.37	19.30
5	Chikkamagaluru	8	8	284	0:00:00	3:00:00	83:40:00	18:35:00	102:15:00	102:15:00	12:46:53	98.22	98.22	287:30:00	35:56:15	98.37	98.35	102.25	35.50	12.78
	Total	217	208	6998	468:04:00	1387:37:00	1782:31:00	801:15:00	2583:46:00	3051:50:00	14:03:49	98.35	98.05	9133:17:00	43:54:36	98.37	98.07	3051.83	32.25	14.06

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 JUNE-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	585	1:40:00	21:34:00	112:00:00	88:58:00	200:58:00	202:38:00	25:19:45	96.51	96.48	710:07:00	88:45:53	96.06	95.94	202.63	73.13	25.33
2	Bantwal	5	5	395	8:24:00	32:38:00	38:38:00	77:51:00	116:29:00	124:53:00	24:58:36	96.76	96.53	384:52:00	76:58:24	96.77	96.48	124.88	79.00	24.98
3	Belthangadi	2	2	293	0:15:00	0:45:00	37:30:00	18:07:00	55:37:00	55:52:00	27:56:00	96.14	96.12	145:30:00	72:45:00	96.69	96.67	55.87	146.50	27.93
4	Puttur	12	12	1253	6:22:00	78:31:00	181:06:00	183:59:00	365:05:00	371:27:00	30:57:15	95.77	95.70	1282:11:00	106:50:55	95.41	95.11	371.45	104.42	30.95
5	Kadaba	2	2	353	69:28:00	258:24:00	24:33:00	49:13:00	73:46:00	143:14:00	71:37:00	94.88	90.05	454:39:00	227:19:30	95.51	89.59	143.23	176.50	71.62
6	Sullia	4	4	708	198:15:00	425:35:00	53:20:00	47:25:00	100:45:00	299:00:00	74:45:00	96.50	89.62	752:10:00	188:02:30	96.26	91.39	299.00	177.00	74.75
7	Karkala	5	5	231	0:00:00	8:04:00	56:00:00	298:31:00	354:31:00	354:31:00	70:54:12	90.15	90.15	503:42:00	100:44:24	95.46	95.39	354.52	46.20	70.90
8	Kaup	3	3	453	98:54:00	178:28:00	42:57:00	76:51:00	119:48:00	218:42:00	72:54:00	94.45	89.88	401:54:00	133:58:00	96.59	93.87	218.70	151.00	72.90
9	Kundapura	5	5	273	31:03:00	48:21:00	42:21:00	28:59:00	71:20:00	102:23:00	20:28:36	98.02	97.16	358:08:00	71:37:36	97.16	96.72	102.38	54.60	20.48
10	Bhadravathi	28	28	584	82:20:00	164:30:00	692:30:00	95:52:00	788:22:00	870:42:00	31:05:47	96.09	95.68	2463:08:00	87:58:09	96.24	95.97	870.70	20.86	31.10
11	Thirthahalli	3	3	68	1:00:00	12:00:00	7:25:00	4:25:00	11:50:00	12:50:00	4:16:40	99.45	99.41	67:30:00	22:30:00	99.15	98.97	12.83	22.67	4.28
12	Soraba	1	1	87	1:35:00	7:20:00	38:25:00	49:40:00	88:05:00	89:40:00	89:40:00	87.77	87.55	187:15:00	187:15:00	91.76	91.43	89.67	87.00	89.67
13	Hosnagara	1	1	48	40:05:00	100:35:00	22:45:00	1:50:00	24:35:00	64:40:00	64:40:00	96.59	91.02	172:10:00	172:10:00	96.72	92.12	64.67	48.00	64.67
14	Sagar	7	7	216	0:00:00	27:45:00	80:55:00	36:25:00	117:20:00	117:20:00	16:45:43	97.67	97.67	477:50:00	68:15:43	97.06	96.87	117.33	30.86	16.76
15	Jog	3	3	53	0:00:00	26:45:00	20:25:00	11:30:00	31:55:00	31:55:00	10:38:20	98.52	98.52	202:20:00	67:26:40	97.32	96.91	31.92	17.67	10.64
16	Shikaripura	7	7	162	34:30:00	147:15:00	21:25:00	18:20:00	39:45:00	74:15:00	10:36:26	99.21	98.53	429:55:00	61:25:00	98.15	97.19	74.25	23.14	10.61
17	Shiralkoppa	1	1	42	12:05:00	25:15:00	15:40:00	2:15:00	17:55:00	30:00:00	30:00:00	97.51	95.83	95:40:00	95:40:00	96.78	95.62	30.00	42.00	30.00
18	Anavatti	2	2	226	24:05:00	60:10:00	61:40:00	65:05:00	126:45:00	150:50:00	75:25:00	91.20	89.53	616:50:00	308:25:00	87.26	85.88	150.83	113.00	75.42
19	Mudigere	1	1	94	0:00:00	35:05:00	16:05:00	22:40:00	38:45:00	38:45:00	38:45:00	94.62	94.62	133:20:00	133:20:00	95.50	93.89	38.75	94.00	38.75
20	Koppa	1	1	117	10:30:00	36:20:00	10:35:00	14:15:00	24:50:00	35:20:00	35:20:00	96.55	95.09	122:10:00	122:10:00	96.07	94.41	35.33	117.00	35.33
21	Sringeri	1	1	140	22:14:00	91:14:00	6:24:00	6:23:00	12:47:00	35:01:00	35:01:00	98.22	95.14	130:24:00	130:24:00	98.21	94.03	35.02	140.00	35.02
22	N.R.Pura	1	1	223	2:15:00	11:20:00	23:55:00	41:45:00	65:40:00	67:55:00	67:55:00	90.88	90.57	199:35:00	199:35:00	91.38	90.86	67.92	223.00	67.92
23	Kadur	2	2	122	1:05:00	4:05:00	7:10:00	32:13:00	39:23:00	40:28:00	20:14:00	97.27	97.19	101:12:00	50:36:00	97.78	97.68	40.47	61.00	20.23
24	Tharikere	2	2	141	2:50:00	26:20:00	37:35:00	12:45:00	50:20:00	53:10:00	26:35:00	96.50	96.31	212:00:00	106:00:00	95.75	95.15	53.17	70.50	26.58
25	Birur	1	1	64	2:05:00	5:40:00	27:10:00	7:55:00	35:05:00	37:10:00	37:10:00	95.13	94.84	79:10:00	79:10:00	96.63	96.38	37.17	64.00	37.17
	Total	108	108	6931	651:00:00	1833:59:00	1678:29:00	1293:12:00	2971:41:00	3622:41:00	33:32:36	96.18	95.34	10683:42:00	98:55:23	96.25	95.47	3622.68	64.18	33.54

* 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 JUNE-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	897	7:19:00	53:16:00	94:15:00	144:25:00	238:40:00	245:59:00	27:19:53	96.32	96.20	765:03:00	85:00:20	96.38	96.11	245.98	99.67	27.33
2	Kavoor	29	29	2091	14:17:00	91:00:00	272:59:00	327:04:00	600:03:00	614:20:00	21:11:02	97.13	97.06	1930:36:00	66:34:21	97.10	96.95	614.33	72.10	21.18
3	Puttur	61	61	9851	1110:30:00	4222:07:00	1057:37:00	1780:54:00	2838:31:00	3949:01:00	64:44:17	93.54	91.01	13102:17:00	214:47:30	93.33	90.17	3949.02	161.49	64.74
4	Bantwal	89	89	8503	694:29:00	2010:46:00	1514:19:00	1312:19:00	2826:38:00	3521:07:00	39:33:47	95.59	94.51	10299:01:00	115:43:09	95.74	94.70	3521.12	95.54	39.56
5	Udupi	45	45	3491	655:24:00	1034:27:00	423:54:00	717:17:00	1141:11:00	1796:35:00	39:55:27	96.48	94.45	4643:30:00	103:11:20	96.33	95.28	1796.58	77.58	39.92
6	Karkala	28	28	2829	56:00:00	255:45:00	433:17:00	550:00:00	983:17:00	1039:17:00	37:07:02	95.12	94.84	3350:02:00	119:38:39	94.94	94.52	1039.28	101.04	37.12
7	Kundapura	55	55	5014	424:26:00	1086:46:00	1041:35:00	1095:25:00	2137:00:00	2561:26:00	46:34:17	94.60	93.53	7250:08:00	131:49:14	94.87	93.96	2561.43	91.16	46.57
8	Shivamogga	96	96	8168	168:00:00	668:09:00	6180:37:00	3155:01:00	9335:38:00	9503:38:00	98:59:46	86.49	86.25	29979:15:00	312:17:02	86.02	85.70	9503.63	85.08	99.00
9	Bhadravathi	44	44	4216	276:25:00	765:50:00	7080:28:00	2933:01:00	10013:29:00	10289:54:00	233:51:41	68.39	67.52	32623:00:00	741:25:55	66.85	66.05	10289.90	95.82	233.86
10	Sagar	89	89	7979	1032:25:00	2824:05:00	6106:46:00	3679:30:00	9786:16:00	10818:41:00	121:33:30	84.73	83.12	39535:20:00	444:13:02	81.11	79.66	10818.68	89.65	121.56
11	Shikaripura	145	145	15316	1239:25:00	3802:24:00	42020:54:00	6752:06:00	48773:00:00	50012:25:00	344:54:48	53.28	52.10	155227:08:00	1070:31:55	52.18	50.98	50012.42	105.63	344.91
12	Chikkamagaluru	49	49	6251	198:51:00	1211:21:00	4366:05:00	1661:46:00	6027:51:00	6226:42:00	127:04:32	82.91	82.35	20505:08:00	418:28:20	81.97	80.84	6226.70	127.57	127.08
13	Kadur	196	196	21157	309:10:00	1278:00:00	32755:44:00	7151:13:00	39906:57:00	40216:07:00	205:11:03	71.72	71.50	128743:29:00	656:51:16	70.22	69.92	40216.12	107.94	205.18
14	Koppa	37	37	4760	299:28:00	1442:27:00	1069:20:00	1341:13:00	2410:33:00	2710:01:00	73:14:37	90.95	89.83	10479:07:00	283:13:10	88.82	87.03	2710.02	128.65	73.24
	Total	972	972	100523	6486:09:00	20746:23:00	104417:50:00	32601:14:00	137019:04:00	143505:13:00	147:38:21	80.42	79.49	458433:04:00	471:38:20	79.38	78.40	143505.22	103.42	147.64

. In Sagara division, Rippenpete and Aduvalli feeders are idle, Kadasuru feeder changed to Auxiliary feeder. In Shivamogga division Hosalli NJY feeder cable fault

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru