

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH MARCH-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-22	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-22	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	1817	173:46:00	955:55:00	504:04:00	130:22:00	634:26:00	808:12:00	9:04:51	99.04	98.78	7896:15:00	88:43:19	99.11	98.99	808.20	20.42	9.08
2	Kavoor	36	36	857	62:00:00	1720:34:00	253:59:00	85:26:00	339:25:00	401:25:00	11:09:02	98.73	98.50	6187:33:00	171:52:35	98.58	98.04	401.42	23.81	11.15
3	Udupi	33	33	917	45:48:00	1099:41:00	208:44:00	134:16:00	343:00:00	388:48:00	11:46:55	98.60	98.42	5385:39:00	163:12:05	98.52	98.14	388.80	27.79	11.78
4	Shivamogga	41	41	1164	125:25:00	296:05:00	393:55:00	144:49:00	538:44:00	664:09:00	16:11:56	98.23	97.82	6877:10:00	167:44:09	98.17	98.09	664.15	28.39	16.20
5	Chikkamagaluru	8	8	288	0:00:00	25:46:00	82:55:00	31:50:00	114:45:00	114:45:00	14:20:37	98.07	98.07	1003:19:00	125:24:52	98.61	98.57	114.75	36.00	14.34
Total		207	207	5043	406:59:00	4098:01:00	1443:37:00	526:43:00	1970:20:00	2377:19:00	11:29:05	98.72	98.46	27349:56:00	132:07:31	98.72	98.49	2377.32	24.36	11.48

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

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM,Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- II

FORM-II

RELIABILITY INDICES FOR TOWN & CITIES IN MESCOM FOR THE MONTH OF MARCH-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-22	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-22	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	362	7:32:00	131:25:00	95:29:00	22:19:00	117:48:00	125:20:00	15:40:00	98.02	97.89	2346:29:00	293:18:38	96.84	96.65	125.33	45.25	15.67
2	Bantwal	5	5	383	10:42:00	142:52:00	36:59:00	73:37:00	110:36:00	121:18:00	24:15:36	97.03	96.74	1390:52:00	278:10:24	97.15	96.82	121.30	76.60	24.26
3	Belthangadi	2	2	162	0:15:00	53:35:00	24:05:00	13:20:00	37:25:00	37:40:00	18:50:00	97.49	97.47	517:55:00	258:57:30	97.35	97.04	37.67	81.00	18.83
4	Puttur	12	12	868	14:28:00	431:39:00	212:29:00	127:59:00	340:28:00	354:56:00	29:34:40	96.19	96.02	3455:25:00	287:57:05	97.12	96.71	354.93	72.33	29.58
5	Kadaba	2	2	193	72:04:00	635:06:00	13:17:00	20:46:00	34:03:00	106:07:00	53:03:30	97.71	92.87	1286:41:00	643:20:30	96.28	92.66	106.12	96.50	53.06
6	Sullia	2	2	373	83:30:00	897:00:00	28:20:00	19:25:00	47:45:00	131:15:00	65:37:30	96.79	91.18	1608:10:00	804:05:00	95.94	90.82	131.25	186.50	65.63
7	Karkala	8	8	286	25:07:00	591:21:00	91:07:00	33:20:00	124:27:00	149:34:00	18:41:45	97.91	97.49	2392:29:00	299:03:38	97.43	96.59	149.57	35.75	18.70
8	Kundapura	5	5	124	82:53:00	299:53:00	21:36:00	17:31:00	39:07:00	122:00:00	24:24:00	98.95	96.72	811:16:00	162:15:12	98.83	98.15	122.00	24.80	24.40
9	Bhadravathi	28	28	631	53:20:00	342:25:00	573:09:00	122:28:00	695:37:00	748:57:00	26:44:54	96.66	96.40	4125:52:00	147:21:09	98.46	98.32	748.95	22.54	26.75
10	Thirthahalli	3	3	81	9:30:00	31:15:00	10:15:00	6:00:00	16:15:00	25:45:00	8:35:00	99.27	98.85	237:30:00	79:10:00	99.22	99.10	25.75	27.00	8.58
11	Soraba	1	1	96	4:35:00	26:00:00	31:35:00	6:05:00	37:40:00	42:15:00	42:15:00	94.94	94.32	387:15:00	387:15:00	95.88	95.58	42.25	96.00	42.25
12	Hosnagara	1	1	62	24:20:00	277:05:00	5:25:00	10:50:00	16:15:00	40:35:00	40:35:00	97.82	94.55	709:05:00	709:05:00	95.07	91.91	40.58	62.00	40.58
13	Sagar	7	7	354	24:40:00	51:35:00	195:20:00	44:00:00	239:20:00	264:00:00	37:42:51	95.40	94.93	2150:20:00	307:11:26	96.58	96.49	264.00	50.57	37.71
14	Jog	3	3	42	8:15:00	25:15:00	3:15:00	1:35:00	4:50:00	13:05:00	4:21:40	99.78	99.41	561:25:00	187:08:20	97.96	97.86	13.08	14.00	4.36
15	Shikaripura	7	7	189	27:10:00	200:55:00	20:15:00	15:25:00	35:40:00	62:50:00	8:58:34	99.32	98.79	1865:15:00	266:27:51	97.29	96.96	62.83	27.00	8.98
16	Shiralkoppa	1	1	41	5:15:00	56:50:00	7:20:00	1:30:00	8:50:00	14:05:00	14:05:00	98.81	98.11	1407:25:00	1407:25:00	84.58	83.93	14.08	41.00	14.08
17	Anavatti	2	2	148	14:45:00	117:30:00	40:50:00	19:30:00	60:20:00	75:05:00	37:32:30	95.95	94.95	642:40:00	321:20:00	97.00	96.33	75.08	74.00	37.54
18	Mudigere	1	1	40	31:20:00	118:15:00	6:05:00	5:35:00	11:40:00	43:00:00	43:00:00	98.43	94.22	284:44:00	284:44:00	98.10	96.75	43.00	40.00	43.00
19	Koppa	1	1	113	13:15:00	123:50:00	14:00:00	14:30:00	28:30:00	41:45:00	41:45:00	96.17	94.39	400:15:00	400:15:00	96.84	95.43	41.75	113.00	41.75
20	Sringeri	1	1	112	28:20:00	320:28:00	7:49:00	3:29:00	11:18:00	39:38:00	39:38:00	98.48	94.67	472:48:00	472:48:00	98.26	94.60	39.63	112.00	39.63
21	N.R.Pura	1	1	180	4:25:00	48:15:00	26:55:00	11:45:00	38:40:00	43:05:00	43:05:00	94.80	94.21	443:50:00	443:50:00	95.48	94.93	43.08	180.00	43.08
22	Kadur	2	2	120	0:00:00	1:30:00	27:20:00	7:55:00	35:15:00	35:15:00	17:37:30	97.63	97.63	485:56:00	242:58:00	97.23	97.23	35.25	60.00	17.63
23	Tharikere	3	3	149	17:15:00	168:50:00	28:45:00	7:15:00	36:00:00	53:15:00	17:45:00	98.39	97.61	610:41:00	203:33:40	98.32	97.68	53.25	49.67	17.75
24	Birur	1	1	35	0:00:00	17:10:00	15:20:00	2:05:00	17:25:00	17:25:00	17:25:00	97.66	97.66	291:10:00	291:10:00	96.87	96.68	17.42	35.00	17.42
	Total	107	107	5144	562:56:00	5109:59:00	1537:00:00	608:14:00	2145:14:00	2708:10:00	25:18:36	97.31	96.60	28885:28:00	269:57:27	97.46	96.92	2708.17	48.07	25.31

* 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(EI)(Tech)
MESCOM,Mangaluru

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- III

FORM-III

RELIABILITY INDICES FOR RURAL AREAS IN MESCOM FOR THE MONTH OF MARCH-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-22	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-22	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	539	18:27:00	143:33:00	54:07:00	58:47:00	112:54:00	131:21:00	14:35:40	98.31	98.04	2311:31:12	256:50:08	97.25	97.07	131.35	59.89	14.59
2	Kavoor	29	29	1223	15:04:00	516:09:00	289:40:00	123:43:00	413:23:00	428:27:00	14:46:27	98.08	98.01	7077:21:00	244:02:48	97.42	97.21	428.45	42.17	14.77
3	Puttur	61	61	7213	1060:14:00	12032:47:00	906:37:00	1103:04:00	2009:41:00	3069:55:00	50:19:35	95.57	93.24	36596:08:00	599:56:12	95.40	93.15	3069.92	118.25	50.33
4	Bantwal	89	89	7938	512:34:00	6595:41:00	1708:16:00	923:55:00	2632:11:00	3144:45:00	35:20:03	96.02	95.25	39292:59:00	441:29:39	95.81	94.96	3144.75	89.19	35.33
5	Udupi	69	69	3486	279:21:00	2864:45:00	759:17:00	590:16:00	1349:33:00	1628:54:00	23:36:26	97.37	96.83	24168:52:29	350:16:25	96.48	96.00	1628.90	50.52	23.61
6	Kundapura	53	53	2932	1012:57:00	4938:39:00	689:06:00	432:18:00	1121:24:00	2134:21:00	40:16:15	97.16	94.59	20817:46:10	392:47:17	96.58	95.52	2134.35	55.32	40.27
7	Shivamogga	91	91	8528	373:46:00	1766:06:00	7929:59:00	1470:11:00	9400:10:00	9773:56:00	107:24:21	86.12	85.56	80084:59:00	880:03:17	90.18	89.95	9773.93	93.71	107.41
8	Bhadravathi	43	43	4148	279:00:00	2748:53:00	7442:55:00	2047:27:00	9490:22:00	9769:22:00	227:11:40	70.34	69.46	96727:08:00	2249:28:06	75.05	74.32	9769.37	96.47	227.19
9	Sagar	89	89	8785	562:45:00	6225:21:00	12452:45:00	2083:45:00	14536:30:00	15099:15:00	169:39:16	78.05	77.20	120790:18:00	1357:11:40	85.31	84.51	15099.25	98.71	169.65
10	Shikaripura	141	141	16288	690:37:00	8304:49:00	47471:54:00	3550:38:00	51022:32:00	51713:09:00	366:45:36	51.36	50.70	564336:24:00	4002:23:09	54.98	54.31	51713.15	115.52	366.76
11	Chikkamagaluru	48	48	6797	446:56:00	2623:10:00	5267:10:00	1277:49:00	6544:59:00	6991:55:00	145:39:54	81.67	80.42	63288:18:00	1318:30:23	85.57	84.95	6991.92	141.60	145.66
12	Kadur	195	195	21221	531:15:00	3223:06:00	34090:27:00	5106:40:00	39197:07:00	39728:22:00	203:44:07	72.98	72.62	411436:23:00	2109:55:49	76.10	75.91	39728.37	108.83	203.74
13	Koppa	37	37	5600	484:56:00	4989:39:00	2035:13:00	1110:19:00	3145:32:00	3630:28:00	98:07:15	88.57	86.81	33886:16:00	915:50:42	91.08	89.55	3630.47	151.35	98.12
	Total	954	954	94698	6267:52:00	56972:38:00	121097:26:00	19878:52:00	140976:18:00	147244:10:00	154:20:38	80.14	79.25	1500814:23:51	1573:10:51	82.72	82.04	147244.17	99.26	154.34

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

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

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

Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru