

MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH APRIL-2021

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	80	80	2036	118:51:00	118:51:00	380:41:00	271:56:00	652:37:00	771:28:00	9:38:36	98.87	98.66	771:28:00	9:38:36	98.87	98.66	771.47	25.45	9.64
2	Kavoor	36	36	1131	478:13:00	478:13:00	440:03:00	102:05:00	542:08:00	1020:21:00	28:20:35	97.91	96.06	1020:21:00	28:20:35	97.91	96.06	1020.35	31.42	28.34
3	Udupi	34	34	1336	83:57:00	83:57:00	208:55:00	264:43:00	473:38:00	557:35:00	16:23:58	98.07	97.72	557:35:00	16:23:58	98.07	97.72	557.58	39.29	16.40
4	Shivamogga	39	39	1151	36:40:00	36:40:00	324:53:00	141:54:00	466:47:00	503:27:00	12:54:32	98.34	98.21	503:27:00	12:54:32	98.34	98.21	503.45	29.51	12.91
5	Chikkamagaluru	8	8	243	0:00:00	0:00:00	31:36:00	19:55:00	51:31:00	51:31:00	6:26:23	99.11	99.11	51:31:00	6:26:23	99.11	99.11	51.52	30.38	6.44
	Total	197	197	5897	717:41:00	717:41:00	1386:08:00	800:33:00	2186:41:00	2904:22:00	14:44:35	98.46	97.95	2904:22:00	14:44:35	98.46	97.95	2904.37	29.93	14.74

In Shivamogga out of 42 feeders load of 3 feeders were shifted to other feeders due to cable fault. Hence, total No. of feeders considered as 39.

* 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]

Sd/-
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 APRIL-2021

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	286	1:24:00	1:24:00	51:28:00	181:30:00	232:58:00	234:22:00	29:17:45	95.96	95.93	234:22:00	29:17:45	95.96	95.93	234.37	35.75	29.30
2	Bantwal	5	5	404	9:54:00	9:54:00	30:51:00	100:39:00	131:30:00	141:24:00	28:16:48	96.35	96.07	141:24:00	28:16:48	96.35	96.07	141.40	80.80	28.28
3	Belthangadi	2	2	184	0:00:00	0:00:00	42:52:00	9:22:00	52:14:00	52:14:00	26:07:00	96.37	96.37	52:14:00	26:07:00	96.37	96.37	52.23	92.00	26.12
4	Puttur	12	12	860	22:39:00	22:39:00	115:14:00	128:39:00	243:53:00	266:32:00	22:12:40	97.18	96.92	266:32:00	22:12:40	97.18	96.92	266.53	71.67	22.21
5	Kadaba	2	2	276	64:04:00	64:04:00	20:15:00	32:42:00	52:57:00	117:01:00	58:30:30	96.32	91.87	117:01:00	58:30:30	96.32	91.87	117.02	138.00	58.51
6	Sullia	2	2	392	80:50:00	80:50:00	37:05:00	24:05:00	61:10:00	142:00:00	71:00:00	95.75	90.14	142:00:00	71:00:00	95.75	90.14	142.00	196.00	71.00
7	Karkala	4	4	206	5:35:00	5:35:00	53:56:00	48:08:00	102:04:00	107:39:00	26:54:45	96.46	96.26	107:39:00	26:54:45	96.46	96.26	107.65	51.50	26.91
8	Kundapura	3	3	100	42:00:00	42:00:00	14:55:00	22:17:00	37:12:00	79:12:00	26:24:00	98.28	96.33	79:12:00	26:24:00	98.28	96.33	79.20	33.33	26.40
9	Bhadravathi	27	27	702	19:25:00	19:25:00	362:59:00	80:07:00	443:06:00	462:31:00	17:07:49	97.72	97.62	462:31:00	17:07:49	97.72	97.62	462.52	26.00	17.13
10	Thirthahalli	4	4	93	2:15:00	2:15:00	17:35:00	6:05:00	23:40:00	25:55:00	6:28:45	99.18	99.10	25:55:00	6:28:45	99.18	99.10	25.92	23.25	6.48
11	Soraba	1	1	53	2:15:00	2:15:00	34:00:00	4:30:00	38:30:00	40:45:00	40:45:00	94.65	94.34	40:45:00	40:45:00	94.65	94.34	40.75	53.00	40.75
12	Hosnagara	1	1	63	46:00:00	46:00:00	20:30:00	7:50:00	28:20:00	74:20:00	74:20:00	96.06	89.68	74:20:00	74:20:00	96.06	89.68	74.33	63.00	74.33
13	Sagar	5	5	275	3:40:00	3:40:00	79:20:00	61:35:00	140:55:00	144:35:00	28:55:00	96.09	95.98	144:35:00	28:55:00	96.09	95.98	144.58	55.00	28.92
14	Jog	3	3	68	3:45:00	3:45:00	26:20:00	18:25:00	44:45:00	48:30:00	16:10:00	97.93	97.75	48:30:00	16:10:00	97.93	97.75	48.50	22.67	16.17
15	Shikaripura	8	8	381	13:35:00	13:35:00	74:00:00	130:55:00	204:55:00	218:30:00	27:18:45	96.44	96.21	218:30:00	27:18:45	96.44	96.21	218.50	47.63	27.31
16	Shiralkoppa	1	1	78	13:40:00	13:40:00	9:25:00	7:25:00	16:50:00	30:30:00	30:30:00	97.66	95.76	30:30:00	30:30:00	97.66	95.76	30.50	78.00	30.50
17	Mudigere	1	1	62	10:55:00	10:55:00	9:16:00	6:44:00	16:00:00	26:55:00	26:55:00	97.78	96.26	26:55:00	26:55:00	97.78	96.26	26.92	62.00	26.92
18	Koppa	1	1	108	7:35:00	7:35:00	18:20:00	8:55:00	27:15:00	34:50:00	34:50:00	96.22	95.16	34:50:00	34:50:00	96.22	95.16	34.83	108.00	34.83
19	Sringeri	1	1	113	53:10:00	53:10:00	17:25:00	7:45:00	25:10:00	78:20:00	78:20:00	96.50	89.12	78:20:00	78:20:00	96.50	89.12	78.33	113.00	78.33
20	N.R.Pura	1	1	160	1:40:00	1:40:00	19:45:00	21:00:00	40:45:00	42:25:00	42:25:00	94.34	94.11	42:25:00	42:25:00	94.34	94.11	42.42	160.00	42.42
21	Kadur	2	2	195	0:50:00	0:50:00	41:10:00	17:40:00	58:50:00	59:40:00	29:50:00	95.91	95.86	59:40:00	29:50:00	95.91	95.86	59.67	97.50	29.83
22	Tharikere	2	2	117	26:30:00	26:30:00	24:05:00	12:40:00	36:45:00	63:15:00	31:37:30	97.45	95.61	63:15:00	31:37:30	97.45	95.61	63.25	58.50	31.63
23	Birur	2	2	129	5:30:00	5:30:00	16:00:00	11:40:00	27:40:00	33:10:00	16:35:00	98.08	97.70	33:10:00	16:35:00	98.08	97.70	33.17	64.50	16.58
	Total	98	98	5305	437:11:00	437:11:00	1136:46:00	950:38:00	2087:24:00	2524:35:00	25:45:40	97.04	96.42	2524:35:00	25:45:40	97.04	96.42	2524.58	54.13	25.76

* 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 colum 9]) x 100/[Total No. of Feeders x 24 hrs x No. of days in the month]

Sd/-
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 APRIL-2021

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	712	14:55:00	14:55:00	106:56:00	136:17:00	243:13:00	258:08:00	28:40:53	96.25	96.02	258:08:00	28:40:53	96.25	96.02	258.13	79.11	28.68
2	Kavoor	29	29	1643	24:07:00	24:07:00	867:31:00	490:53:00	1358:24:00	1382:31:00	47:40:23	93.49	93.38	1382:31:00	47:40:23	93.49	93.38	1382.52	56.66	47.67
3	Puttur	54	54	7440	1080:34:00	1080:34:00	877:37:00	1448:17:00	2325:54:00	3406:28:00	63:04:58	94.02	91.24	3406:28:00	63:04:58	94.02	91.24	3406.47	137.78	63.08
4	Bantwal	87	87	6001	543:18:00	543:18:00	1636:27:00	765:48:00	2402:15:00	2945:33:00	33:51:25	96.16	95.30	2945:33:00	33:51:25	96.16	95.30	2945.55	68.98	33.86
5	Udupi	64	64	4910	332:57:00	332:57:00	1333:50:00	1121:41:00	2455:31:00	2788:28:00	43:34:11	94.67	93.95	2788:28:00	43:34:11	94.67	93.95	2788.47	76.72	43.57
6	Kundapura	46	46	3368	579:12:00	579:12:00	782:52:00	557:27:00	1340:19:00	1919:31:00	41:43:43	95.95	94.20	1919:31:00	41:43:43	95.95	94.20	1919.52	73.22	41.73
7	Shivamogga	75	75	8161	169:29:00	169:29:00	6165:23:00	1725:51:00	7891:14:00	8060:43:00	107:28:34	85.39	85.07	8060:43:00	107:28:34	85.39	85.07	8060.72	108.81	107.48
8	Bhadravathi	39	39	4521	450:30:00	450:30:00	5211:23:00	1027:23:00	6238:46:00	6689:16:00	171:31:11	77.78	76.18	6689:16:00	171:31:11	77.78	76.18	6689.27	115.92	171.52
9	Sagar	77	77	7176	664:00:00	664:00:00	8363:40:00	2963:25:00	11327:05:00	11991:05:00	155:43:42	79.57	78.37	11991:05:00	155:43:42	79.57	78.37	11991.08	93.19	155.73
10	Shikaripura	139	139	14524	706:49:00	706:49:00	41780:37:00	5322:12:00	47102:49:00	47809:38:00	343:57:15	52.93	52.23	47809:38:00	343:57:15	52.93	52.23	47809.63	104.49	343.95
11	Chikkamagaluru	48	48	6581	339:57:00	339:57:00	5354:26:00	1290:50:00	6645:16:00	6985:13:00	145:31:31	80.77	79.79	6985:13:00	145:31:31	80.77	79.79	6985.22	137.10	145.53
12	Kadur	178	178	20631	324:35:00	324:35:00	28089:00:00	6283:30:00	34372:30:00	34697:05:00	194:55:39	73.18	72.93	34697:05:00	194:55:39	73.18	72.93	34697.08	115.90	194.93
13	Koppa	36	36	4855	545:07:00	545:07:00	2540:54:00	1585:20:00	4126:14:00	4671:21:00	129:45:35	84.08	81.98	4671:21:00	129:45:35	84.08	81.98	4671.35	134.86	129.76
Total		881	881	90523	5775:30:00	5775:30:00	103110:36:00	24718:54:00	127829:30:00	133605:00:00	151:39:06	79.85	78.94	133605:00:00	151:39:06	79.85	78.94	133605.00	102.75	151.65

In Kundapura division, 11KV Bailoor Feeder Clubbed with 11 KV Shankaranarayana Feeder

In Shimoga division, F4 feeder KUMSi MUSS is temporarily converted as 11 KV Bank for NJY Feeders From 28.10.2020 @ 13:20 Hrs & F-4 Load connected to KF-1

In Sagar division, Ramachandrapura mata Clubbed with F2 hosanagar feeder due to Non availability of spare breaker and in Chandraguthi substation NJY feeder Kept Idle

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

Sd/-
Superintending Engineer(Ele)(Tech)
MESCOM, Mangaluru