

# MANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

Annex- I

FORM-1

## RELIABILITY INDICES FOR DISTRICT HEAD QUARTERS IN MESCOM FOR THE MONTH JUNE-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	2488	39:26:00	199:14:00	535:41:00	267:33:00	803:14:00	842:40:00	10:32:00	98.61	98.54	2459:22:00	30:44:31	98.71	98.59	842.67	31.10	10.53
2	Kavoor	36	36	1467	75:32:00	584:09:00	269:49:00	182:42:00	452:31:00	528:03:00	14:40:05	98.25	97.96	2174:02:00	60:23:23	97.98	97.23	528.05	40.75	14.67
3	Udupi	34	34	2203	126:55:00	273:27:00	281:11:00	356:04:00	637:15:00	764:10:00	22:28:32	97.40	96.88	1994:49:00	58:40:16	97.68	97.31	764.17	64.79	22.48
4	Shivamogga	39	39	1132	1:45:00	39:35:00	395:15:00	141:13:00	536:28:00	538:13:00	13:48:02	98.09	98.08	1470:03:00	37:41:37	98.32	98.27	538.22	29.03	13.80
5	Chikkamagaluru	8	8	298	0:00:00	1:00:00	76:35:00	29:27:00	106:02:00	106:02:00	13:15:15	98.16	98.16	296:25:00	37:03:08	98.31	98.30	106.03	37.25	13.25
	<b>Total</b>	<b>197</b>	<b>197</b>	<b>7588</b>	<b>243:38:00</b>	<b>1097:25:00</b>	<b>1558:31:00</b>	<b>976:59:00</b>	<b>2535:30:00</b>	<b>2779:08:00</b>	<b>14:06:26</b>	<b>98.21</b>	<b>98.04</b>	<b>8394:41:00</b>	<b>42:36:45</b>	<b>98.30</b>	<b>98.05</b>	<b>2779.13</b>	<b>38.52</b>	<b>14.11</b>

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 JUNE-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	666	34:48:00	43:41:00	187:03:00	107:25:00	294:28:00	329:16:00	41:09:30	94.89	94.28	904:06:00	113:00:45	95.08	94.83	329:27	83.25	41.16
2	Bantwal	5	5	396	12:34:00	35:02:00	30:52:00	74:59:00	105:51:00	118:25:00	23:41:00	97.06	96.71	379:15:00	75:51:00	96.85	96.53	118:42	79.20	23.68
3	Belthangadi	2	2	212	6:56:00	7:16:00	21:49:00	23:40:00	45:29:00	52:25:00	26:12:30	96.84	96.36	122:40:00	61:20:00	97.36	97.19	52:42	106.00	26.21
4	Puttur	12	12	1249	10:05:00	53:56:00	183:40:00	153:03:00	336:43:00	346:48:00	28:54:00	96.10	95.99	1184:02:00	98:40:10	95.69	95.48	346:80	104.08	28.90
5	Kadaba	2	2	370	71:48:00	220:26:00	70:35:00	52:10:00	122:45:00	194:33:00	97:16:30	91.48	86.49	500:43:00	250:21:30	93.58	88.54	194:55	185.00	97.28
6	Sullia	2	2	497	76:30:00	255:00:00	53:15:00	26:25:00	79:40:00	156:10:00	78:05:00	94.47	89.16	487:45:00	243:52:30	94.67	88.83	156:17	248.50	78.08
7	Karkala	7	7	911	101:35:00	117:01:00	86:09:00	161:05:00	247:14:00	348:49:00	49:49:51	95.09	93.08	748:37:00	106:56:43	95.87	95.10	348:82	130.14	49.83
8	Kundapura	3	3	169	1:12:00	47:54:00	42:00:00	35:53:00	77:53:00	79:05:00	26:21:40	96.39	96.34	247:19:00	82:26:20	96.96	96.23	79:08	56.33	26.36
9	Bhadravathi	27	27	663	5:55:00	40:00:00	128:21:00	68:39:00	197:00:00	202:55:00	7:30:56	98.99	98.96	937:37:00	34:43:36	98.48	98.41	202:92	24.56	7.52
10	Thirthahalli	4	4	118	0:20:00	10:15:00	20:50:00	16:20:00	37:10:00	37:30:00	9:22:30	98.71	98.70	98:00:00	24:30:00	99.00	98.88	37:50	29.50	9.38
11	Soraba	1	1	85	1:05:00	4:25:00	21:45:00	17:05:00	38:50:00	39:55:00	39:55:00	94.61	94.46	116:45:00	116:45:00	94.86	94.65	39:92	85.00	39.92
12	Hosnagara	1	1	57	44:55:00	118:35:00	7:15:00	17:40:00	24:55:00	69:50:00	69:50:00	96.54	90.30	208:35:00	208:35:00	95.88	90.45	69:83	57.00	69.83
13	Sagar	6	6	396	5:30:00	11:50:00	158:15:00	67:50:00	226:05:00	231:35:00	38:35:50	94.77	94.64	635:30:00	105:55:00	95.24	95.15	231:58	66.00	38.60
14	Jog	3	3	102	3:00:00	9:15:00	46:05:00	18:20:00	64:25:00	67:25:00	22:28:20	97.02	96.88	165:55:00	55:18:20	97.61	97.47	67:42	34.00	22.47
15	Shikaripura	7	7	211	13:30:00	34:25:00	73:00:00	49:15:00	122:15:00	135:45:00	19:23:34	97.57	97.31	1039:35:00	148:30:43	93.43	93.20	135:75	30.14	19.39
16	Shiralkoppa	1	1	69	8:50:00	24:20:00	14:50:00	4:10:00	19:00:00	27:50:00	27:50:00	97.36	96.13	81:25:00	81:25:00	97.39	96.27	27:83	69.00	27.83
17	Mudigere	1	1	76	0:15:00	12:50:00	14:20:00	3:18:00	17:38:00	17:53:00	17:53:00	97.55	97.52	68:46:00	68:46:00	97.44	96.85	17:88	76.00	17.88
18	Koppa	1	1	109	7:35:00	23:15:00	27:55:00	12:05:00	40:00:00	47:35:00	47:35:00	94.44	93.39	118:10:00	118:10:00	95.65	94.59	47:58	109.00	47.58
19	Sringeri	1	1	102	27:15:00	106:50:00	10:20:00	8:30:00	18:50:00	46:05:00	46:05:00	97.38	93.60	165:35:00	165:35:00	97.31	92.42	46:08	102.00	46.08
20	N.R.Pura	1	1	162	2:35:00	6:15:00	25:00:00	17:30:00	42:30:00	45:05:00	45:05:00	94.10	93.74	129:00:00	129:00:00	94.38	94.09	45:08	162.00	45.08
21	Kadur	2	2	278	0:00:00	0:50:00	29:43:00	7:34:00	37:17:00	37:17:00	18:38:30	97.41	97.41	162:38:00	81:19:00	96.30	96.28	37:28	139.00	18.64
22	Tharikere	2	2	307	2:00:00	28:50:00	36:00:00	4:30:00	40:30:00	42:30:00	21:15:00	97.19	97.05	144:15:00	72:07:30	97.36	96.70	42:50	153.50	21.25
23	Birur	2	2	84	0:00:00	5:30:00	8:50:00	6:10:00	15:00:00	15:00:00	7:30:00	98.96	98.96	92:40:00	48:20:00	98.00	97.88	15:00	42.00	7.50
	<b>Total</b>	<b>102</b>	<b>102</b>	<b>7289</b>	<b>438:13:00</b>	<b>1217:41:00</b>	<b>1297:52:00</b>	<b>953:36:00</b>	<b>2251:28:00</b>	<b>2689:41:00</b>	<b>26:22:10</b>	<b>96.93</b>	<b>96.34</b>	<b>8738:53:00</b>	<b>85:40:31</b>	<b>96.62</b>	<b>96.08</b>	<b>2689.68</b>	<b>71.46</b>	<b>26.37</b>

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

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

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

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 JUNE-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	950	6:35:00	33:59:00	154:01:00	92:39:00	246:40:00	253:15:00	28:08:20	96.19	96.09	838:59:00	93:13:13	95.90	95.73	253.25	105.56	28.14
2	Kavoor	29	29	2485	66:22:00	114:25:00	446:58:00	392:36:00	839:34:00	905:56:00	31:14:21	95.98	95.66	2953:12:00	101:50:04	95.52	95.34	905.93	85.69	31.24
3	Puttur	54	54	9423	1175:11:00	3759:49:00	1210:11:00	1704:09:00	2914:20:00	4089:31:00	75:43:54	92.50	89.48	12390:44:00	229:27:29	92.68	89.49	4089.52	174.50	75.73
4	Bantwal	87	87	10784	656:09:00	1821:00:00	1816:17:00	2008:11:00	3824:28:00	4480:37:00	51:30:05	93.89	92.85	11328:47:00	130:12:57	95.00	94.04	4480.62	123.95	51.50
5	Udupi	61	61	6702	373:31:00	837:08:00	1520:07:00	1489:50:29	3009:57:29	3383:28:29	55:28:00	93.15	92.30	9391:50:29	153:57:53	93.58	92.95	3383.47	109.87	55.47
6	Kundapura	47	47	5498	286:40:00	1084:02:00	1008:21:00	1137:08:00	2145:29:00	2432:09:00	51:44:52	93.66	92.81	6629:46:00	141:03:32	94.60	93.54	2432.15	116.98	51.75
7	Shivamogga	77	77	8496	35:40:00	333:24:00	3958:58:00	2652:25:00	6611:23:00	6647:03:00	86:19:31	88.07	88.01	22252:15:00	288:59:25	86.97	86.77	6647.05	110.34	86.33
8	Bhadravathi	39	39	4230	51:19:00	746:26:00	4144:35:00	2090:38:00	6235:13:00	6286:32:00	161:11:35	77.79	77.61	20324:43:00	521:08:48	77.01	76.14	6286.53	108.46	161.19
9	Sagar	87	87	7859	997:30:00	2538:40:00	5477:50:00	3956:41:00	9434:31:00	10432:01:00	119:54:30	84.94	83.35	33178:51:00	381:21:58	83.87	82.54	10432.02	90.33	119.91
10	Shikaripura	139	139	13659	538:03:00	1676:25:00	33487:44:00	7768:22:00	41256:06:00	41794:09:00	300:40:38	58.78	58.24	#####	981:01:19	55.63	55.08	41794.15	98.27	300.68
11	Chikkamagaluru	48	48	6628	173:45:00	753:37:00	4389:12:00	1866:00:00	6255:12:00	6428:57:00	133:56:11	81.90	81.40	19922:41:00	415:03:21	81.71	81.00	6428.95	138.08	133.94
12	Kadur	183	183	20138	45:30:00	437:50:00	24719:50:00	6987:55:00	31707:45:00	31753:15:00	173:30:54	75.94	75.90	#####	546:35:10	75.08	74.97	31753.25	110.04	173.52
13	Koppa	36	36	5582	477:37:00	1472:54:00	1303:17:00	1938:57:00	3242:14:00	3719:51:00	103:19:45	87.49	85.65	12472:58:00	346:28:17	86.01	84.14	3719.85	155.06	103.33
<b>Total</b>		<b>896</b>	<b>896</b>	<b>102434</b>	<b>4883:52:00</b>	<b>15609:39:00</b>	<b>83637:21:00</b>	<b>34085:31:29</b>	<b>117722:52:29</b>	<b>122606:44:29</b>	<b>136:50:16</b>	<b>81.75</b>	<b>80.99</b>	<b>388072:04:29</b>	<b>433:06:58</b>	<b>80.97</b>	<b>80.17</b>	<b>122606.74</b>	<b>114.32</b>	<b>136.84</b>

In Shivamogga 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

\* 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