

Additional Load Feasibility in Substations as on 31/07/2020

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
The feasibility indicated below is subject to change, consequent to constraints in line loading and under change in system conditions / Network configurations.				
TRANSMISSION CIRCLE TRIVANDRUM				
1	220 kV	New Kattakada	80.0	
2	220 kV	Pothencode	0.0	
3	110 kV	Paruthippara	0.0	
4	110 kV	Medical College	0.0	
5	110 kV	Balaramapuram	5.0	
6	110 kV	Neyyattinkara	0.0	
7	110 kV	Parassala	0.0	
8	110 kV	Thirumala	10.0	
9	110 kV	Kattakada	14.0	* Please note that no additional panel can be accommodated due to space constraint of control room. Power can be evacuated from existing feeders
10	110 kV	Nedumangad	0.0	
11	110 kV	Aruvikkara	0.0	
12	110 kV	Attingal	0.0	
13	110 kV	Varkala	0.0	
14	110 kV	Kilimanoor	0.0	
15	110 kV	Veli	3.0	
16	110 kV	TERLS	0.0	
17	110 kV	Muttathara	0.0	
18	110 kV	Kazhakkuttom	3.0	
19	66 kV	GIS Substation LA	3.7	
20	66 kV	Power House	1.0	
21	66 kV	Vizhinjam	0.0	
22	66 kV	Vattiyoor kavu	0.3	
23	66 kV	Palode	0.0	
24	33 kV	Vydyuthi Bhavanam	2.48	
25	33 kV	Pattoor	2.43	
26	33 kV	Karamana	1.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
27	33 kV	Poovar	0.0	
28	33 kV	Vellarada	0.0	
29	33 kV	Peyad	1.0	
30	33 kV	Chullimanoor	0.0	
31	33 kV	Vithura	0.0	
32	33 kV	Aryanad	2.0	
33	33 kV	Venjarummood	0.0	
34	33 kV	Kadakkavur	0.0	
35	33 kV	Kallambalam	0.0	
36	33 kV	Katchery	0.0	
37	33 kV	Kadakkal	2.5	
TRANSMISSION DIVISION PATHANAMTHITTA				
1	110 kV	Kozhencherry	0.0	
2	110 kV	Koodal	9.0	
3	110 kV	Mallappally	5.5	
4	110 kV	Pathanamthitta	10.9	
5	110 kV	Ranny	4.0	
6	66 kV	Adoor	2.5	
7	66 kV	Enathu	4.7	
8	66 kV	Chumatra	5.6	
9	66 kV	Kochupamba	6.0	
10	66 kV	Tiruvalla	2.0	
11	66 kV	Triveni Pamba	2.0	
12	33 kV	Konni	1.0	
13	33 kV	Kadapra	3.8	
14	33 kV	Kumbanadu	2.0	
15	33 kV	Ranny-Perunadu	3.0	
16	33 kV	Pandalam	3.0	
TRANSMISSION CIRCLE MALAPPURAM				
1	220 kV	Malaparamba	4.0	
2	220 kV	Areekod	0.0	
3	220 kV	Elankur	18.0	
4	110 kV	Chelari	11.0	
5	110 kV	Edappal	5.0	
6	110 kV	Edarikode	19.0	
7	110 kV	Kuttippuram	0.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
8	110 kV	Parappanangadi	15.0	
9	110 kV	Ponnani	5.0	
10	110 kV	Tirur	14.0	
11	110 kV	Perinthalmanna	18.0	
12	110 kV	Melattur	13.5	
13	110 kV	Malappuram	0.0	
14	110 kV	Kizhissery	10.0	
15	110 kV	Manjeri	18.0	
16	66 kV	Mankada	1.0	
17	66 kV	Nilambur	3.0	
18	66 kV	Edakkara	9.0	
19	33 kV	Kalpakanchery	0.0	
20	33 kV	Kinfra	6.0	
21	33 kV	Kooriyad	2.0	
22	33 kV	Othukkungal	5.0	
23	33 kV	Tavanur	5.0	
24	33 kV	Thirunavaya	1.0	
25	33 kV	Pulamanthole	0.0	
26	33 kV	Thazhekkode	5.0	
27	33 kV	Kalikavu	0.0	
28	33 kV	Wandoor	2.0	
29	33 kV	Pookkottumpadam	4.0	
30	33 kV	Edavanna	1.0	
31	33 kV	Valluvambrum	0.0	
32	33 kV	Makkaraparamba	6.0	
33	33 kV	Pothukallu	3.0	
TRANSMISSION CIRCLE KANNUR				
1	220 kV	Mylatty	0.0	
2	220 kV	Ambalathara	2.0	
3	220 kV	Kanhirode	0.0	
4	220 kV	Taliparamba	0.0	
5	110 kV	Vidyanagar	0.0	
6	110 kV	Mulleria	0.0	
7	110 kV	Kubanoor	0.0	
8	110 kV	Manjeswram	0.0	
9	110 kV	Cheruvathur	0.0	
10	110 kV	Kanhangad	0.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
11	110 kV	Panoor	0.0	
12	110 kV	Pinarayi	0.0	
13	110 kV	Thalassery	0.0	
14	110 kV	Valiyavelicham	5.0	
15	110 kV	Kuthuparamba	0.0	
16	110 kV	Nedumpoil	5.0	
17	110 kV	Sreekandapuram	4.5	
18	110 kV	Mattannur	3.0	
19	110 kV	Iritty	0.0	
20	110 kV	Payangadi	0.0	
21	110 kV	Ezhimala	0.0	
22	110 kV	Payyanur	9.0	
23	110 kV	Cherupuzha	0.0	
24	110 kV	Chemperi	6.5	
25	110 kV	Mundayad	0.0	
26	110 kV	Mangad	0.0	
27	110 kV	Chovva	0.0	
28	110 kV	Azhikode	0.0	
29	33 kV	Kasaragod Town	0.0	
30	33 kV	Ananthapuram	0.0	
31	33 kV	Badiadka	2.0	
32	33 kV	Perla	2.0	
33	33 kV	Kanhangad Town	0.0	
34	33 kV	Nileswaram	0.0	
35	33 kV	Belur	0.0	
36	33 kV	Rajapuram	1.0	
37	33 kV	Trikaripur	2.0	
38	33 kV	West Eleri	0.0	
39	33 kV	Puthur	0.0	
40	33 kV	Kodiyeri	0.0	
41	33 kV	Dharmadam	0.0	
42	33 kV	Tholambra	0.0	
43	33 kV	Kelakam	2.0	
44	33 kV	Kuttiyattoor	0.0	
45	33 kV	Pazassi	0.0	
46	33 kV	Pariyaram	0.0	
47	33 kV	Payyanur Town	0.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
48	33 kV	Alakode	0.0	
49	33 kV	Nadukani	0.0	
50	33 kV	Thottada	0.0	
51	33 kV	Puthiyatheru	0.0	
52	33 kV	Kannur Town	0.0	
TRANSMISSION CIRCLE KOZHIKODE				
1	220 kV	Kaniyampetta	4.0	
2	220 kV	Orkatteri	4.0	
3	220 kV	Nallalam	8.0	
4	110 kV	Agastyamoozhi	6.0	
5	110 kV	Kunnamangalam	4.0	
6	110 kV	Thambalamanna	1.0	
7	110 kV	Chakkittapara	4.0	
8	110 kV	Kinalur	1.0	
9	110 kV	Kuttiadi	6.0	
10	110 kV	Meppayur	1.0	
11	110 kV	Nadapuram	6.0	
12	110 kV	Koyilandy	0.0	
13	110 kV	Vadakara	0.0	
14	110 kV	Chevayur	0.7	
15	110 kV	Koduvally	7.0	
16	110 kV	Westhill	7.0	
17	110 kV	Gandhioad	10.0	
18	110 kV	Mankavu	7.0	
19	66 kV	Anju Kunnu	5.0	
20	66 kV	Kuthumunda	2.0	
21	66 kV	Mananthavadi	0.0	
22	66 kV	Mavoor(Ambalaparamba)	2.0	
23	66 kV	Sulthan Bathery	0.0	Under this condition (N-1) condition of transformer is not satisfied. Cannot provide additional load with out upgrading the substation
24	66 kV	Thamarassery	2.0	
25	66 kV	Kuttikkattur	4.4	
26	66 kV	Puthiyara	7.0	
27	66 kV	Cyber Park	16.0	
28	33 kV	Kalpetta	0.0	

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29	33 kV	Meenangadi	0.0	
30	33 kV	Padinjarethara	1.0	
31	33 kV	Pulpally	1.0	
32	33 kV	Urumi	0.0	
33	33 kV	Vellannur	2.0	
34	33 kV	Balussery	1.0	
35	33 kV	Melady	1.0	
36	33 kV	Perambra	0.0	
37	33 kV	Thiruvallur	0.0	
38	33 kV	Ramanattukara	1.0	
39	33 kV	Feroke	1.0	
TRANSMISSION CIRCLE KOTTARAKKARA				
1	220 kV	Edamon	10.0	
2	220 kV	Kundara	3.0	
3	110 kV	Kottarakara	6.0	
4	110 kV	Pathanapuram	3.0	
5	110 kV	Ambalappuram	8.0	
6	110 kV	Punalur	4.0	
7	110 kV	Anchal	8.0	
8	110 kV	Ayur	10.0	
9	110 kV	Kavanad	5.0	
10	110 kV	Chavara	0.0	
11	110 kV	Ayathil	5.0	
12	110 kV	Sasthamcotta	0.0	
13	110 kV	Kottiyam	5.5	
14	110 kV	Parippally	9.0	
15	110 kV	Perinad	11.0	
16	110 kV	GIS Kollam	4.0	
17	66 kV	Thenmala	1.0	
18	66 kV	Karunagappally	5.0	
19	33 kV	Ezhukone	2.0	
20	33 kV	Chengamanadu	2.0	
21	33 kV	Puthoor	5.0	
22	33 kV	Pooyappally	5.0	
23	33 kV	Kannanalloor	0.0	
24	33 kV	Oachira	4.0	
25	33 kV	Adichanalloor	2.0	

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26	33 kV	Paravur	2.5	
TRANSMISSION CIRCLE POOVANTHURUTH				
1	220 kV	Pallom	2.0	
2	110 kV	Vaikom	4.0	
3	110 kV	Erattupetta	8.0	
4	110 kV	Erumely	13.5	
5	110 kV	Kanjirappally	5.0	
6	110 kV	Mundakkayam	13.0	
7	110 kV	Pala	1.0	
8	110 kV	Ayarkunnam	2.0	
9	110 kV	Pampady	2.0	
10	110 kV	Kodimatha	2.0	
11	110 kV	Chengalam	8.0	
12	110 kV	Thrikkodithanam	5.0	
13	66 kV	Ettumanoor	10.0	
14	66 kV	Kuravilangad	5.0	
15	66 kV	Koothattukulam	3.4	
16	66 kV	Gandhinagar	3.0	
17	66 kV	Kottayam	5.0	
18	66 kV	Changanacherry	4.0	
19	33 kV	Ramapuram	2.0	
20	33 kV	Kallara	5.5	
21	33 kV	Kaduthuruthy	0.5	
22	33 kV	Paika	0.0	
23	33 kV	Manimala	4.7	
24	33 kV	Koottickal	2.0	
25	33 kV	Kidangoor	1.0	
26	33 kV	Vakathanam	2.0	
27	33 kV	Karukachal	1.0	
TRANSMISSION CIRCLE KALAMASSERY				
1	220 kV	Brahmapuram	9.0	
2	220 kV	Ambalmugal	NA	
3	220 kV	Kalamassery	10.0	
4	110 kV	Kandanad	5.0	
5	110 kV	Vyttila	1.2	
6	110 kV	New Vyttila	0.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
7	110 kV	Kadavanthra	1.0	
8	110 kV	Aluva	0.0	
9	110 kV	Edayar	7.0	
10	110 kV	Kizhakkambalam	0.0	
11	110 kV	W.Island	1.0	
12	110 kV	Mattancherry	2.0	
13	110 kV	Kaloor	6.0	
14	110 kV	Edappally	7.5	
15	110 kV	Ernakulam north	10.0	
16	110 kV	North Paravoor	2.0	
17	110 kV	Kurumassery	2.0	
18	110 kV	Cherai	12.0	
19	110 kV	Panangad	1.28	
20	66 kV	Panampillynagar	0.0	
21	66 kV	Edathala	0.0	
22	66 kV	Njarrakkal	9.0	
23	66 kV	Fort Kochi	1.0	
24	66 kV	Perumanoor	12.0	
25	66 kV	Marine Drive	6.0	
26	66 kV	Mulavukad	5.0	
27	66 kV	Thrikkakara	8.0	
28	66 kV	Thrippunithura	1.7	
29	66 kV	Kakkanad	5.0	
30	66 kV	Puthencruz	9.0	
31	33 kV	Alangad	0.0	
32	33 kV	Vadakkekara	2.5	
33	33 kV	Varappuzha	0.0	
34	33 kV	Kurumassery	3.8	
35	33 kV	Puthenvelikkara	3.5	
36	33 kV	GIS Thammanam	3.5	
TRANSMISSION CIRCLE ALAPPUZHA				
1	220 kV	Edappon	2.85	
2	220 kV	Punnapra	0.0	
3	110 kV	Aroor	10.0	
4	110 kV	Chellanam	10.25	
5	110 kV	Chengannur	0.0	
6	110 kV	Edathua	2.17	

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7	110 kV	Eramalloor	3.75	
8	110 kV	Kayamkulam	8.6	
9	110 kV	Mavelikkara	1.0	
10	110 kV	Thycattuserry	5.5	
11	110 kV	S.L. Puram	5.0	
12	66 kV	Alappuzha	5.0	
13	66 kV	Cherthala	5.0	
14	66 kV	Karuvatta	8.0	
15	66 kV	Kattanam	7.0	
16	66 kV	Kuttanadu	2.39	
17	66 kV	Nangiarkulangara	6.5	
18	66 kV	Pathirapally	5.0	
19	33 kV	Kalarcode	5.0	
20	33 kV	Kuthiyathode	4.5	
21	33 kV	Mannar	4.0	
22	33 kV	Thakazhy	2.39	
23	33 kV	Vallikunnam	1.5	
TRANSMISSION CIRCLE THODUPUZHA				
1	110 kV	Myloor	14.6	
2	110 kV	Kuthumkal	3.1	
3	110 kV	Muvattupuzha	34.5	
4	110 kV	Piravom	7.5	
5	110 kV	Perumbavoor	21.6	
6	110 kV	Rayonpuram	11.7	
7	110 kV	Muttom	9.5	
8	110 kV	Adimaly	15.0	
9	110 kV	Udumbannoor	7.0	
10	66 kV	Kothamangalam	12.5	
11	66 kV	Kulamavu	2.8	
12	66 kV	Nedumkandam	13.6	
13	66 kV	Peermade	13.5	
14	66 kV	Odakkali	4.0	
15	66 kV	Karimanal	10.6	
16	66 kV	Marady	6.9	
17	66 kV	Vazhathope	16.4	
18	66 kV	Kattappana	11.7	
19	66 kV	Vandiperiyar	14.1	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
20	66 kV	Thodupuzha	8.0	
21	33 kV	Vengola	3.7	
22	33 kV	Kuruppampady	6.0	
23	33 kV	Kalloorkad	4.8	
24	33 kV	Vandanmedu	8.3	
25	33 kV	Vagamom	2.5	
26	33 kV	Mazhuvannoor	6.0	
27	33 kV	Koovapady	10.0	
28	33 kV	Upputhara	5.5	
29	33 kV	Kumily	2.4	
30	33 kV	Vannappuram	7.5	
31	33 kV	Senapathy	4.8	
TRANSMISSION CIRCLE PALAKKAD				
1	220 kV	Palakkad 110 kV/22kV	40.0	
2	220 kV	Shoranur	0.0	
3	110 kV	Kozhinjampara	5.0	
4	110 kV	Kollengode	0.0	
5	110 kV	Vadakkenchery	4.0	
6	110 kV	Vennakkara	2.0	
7	110 kV	Kanjikode	11KV - 6 22KV- 3	
8	110 kV	Parali	4.0	
9	110 kV	Walayar	20.0	
10	110 kV	Malampuzha	2.0	
11	110 kV	Mannarkkad	2.0	
12	110 kV	Kalladikkode	8.0	
13	110 kV	Ottappalam	1.0	
14	110 kV	Pathiripala	8.0	
15	110 kV	Cherpulassery	4.0	
16	110 kV	Koppam	0.0	
17	110 kV	Kooottanad	5.0	
18	66 kV	Chittur	4.0	
19	66 kV	Nenmara	5.0	
20	66 kV	Kannampully	3.0	
21	66 kV	Medical College, Palakkad	8.0	
22	33 kV	Meenakshipuram	2.0	
23	33 kV	Vannamada	2.0	

Sl no	Voltage Level	Substation Name	Additional Load Feasible (MVA)	Remarks
24	33 kV	Velanthavalam	0.0	
25	33 kV	Muthalamada	1.0	
26	33 kV	Pallassena	2.0	
27	33 kV	Koduvayur	4.0	
28	33 kV	Nelliyampathy	2.0	
29	33 kV	Alathur	2.0	
30	33 kV	Chitadi	2.0	
31	33 kV	Tarur	3.0	
32	33 kV	Vydhuthi bhavanam	0.0	
33	33 kV	Olavakkode-Kalpathy	3.0	
34	33 kV	Sreekrishnapuram	1.0	
35	33 kV	Maniyampara	2.0	
36	33 kV	Kongad	2.0	
37	33 kV	Agali	3.0	
38	33 kV	Alanallur	0.0	
39	33 kV	Pattambi	0.0	
40	33 kV	Thiruvegapura	3.0	
41	33 kV	Thrithala	3.0	
42	33 kV	Chalissery	1.0	
TRANSMISSION CIRCLE THRISSUR				
1	400 kV	Madakkathara	3.0	
2	110 kV	Chalakudy	20.0	
3	110 kV	Malayattoor	2.5	
4	110 kV	Angamaly	7.0	
5	110 kV	Kodakara	13.0	
6	110 kV	Mala	14.0	
7	110 kV	Ayyampuzha	15.0	
8	110 kV	Viyyur	9.0	
9	110 kV	Ollur	15.0	
10	110 kV	Pullazhi	20.0	
11	110 kV	Wadakkanchery	16.0	
12	110 kV	Pazhayannur	13.0	
13	110 kV	Kunnamkulam	2.5	
14	110 kV	Guruvayur	12.0	
15	110 kV	Athani	5.0	
16	110 kV	Arangottukara	12.0	

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17	110 kV	Punnayurkulam	8.0	
18	110 kV	Irinjalakuda	9.0	
19	110 kV	Cherpu	5.0	
20	110 kV	Kattoor	8.0	
21	110 kV	Pudukad	5.0	
22	110 kV	Valapad	6.0	
23	110 kV	Kandassankadavu	8.0	
24	110 kV	Kodungallur	2.0	
25	66 kV	Vaigai threads	8.7	
26	66 kV	Karukutty	7.0	
27	33 kV	Kalady	2.9	
28	33 kV	Kalletumkara	1.8	
29	33 kV	Vellikulangara	4.0	
30	33 kV	Koratty	1.2	
31	33 kV	Annamanada	7.0	
32	33 kV	Pariyaram	4.0	
33	33 kV	Poomala	4.0	
34	33 kV	Pattikkad	4.5	
35	33 kV	Puthur	4.0	
36	33 kV	Parappur	5.0	
37	33 kV	Mulloorkara	7.0	
38	33 kV	Chelakkara	5.2	
39	33 kV	Mundur	3.5	
40	33 kV	Chavakkad	1.0	
41	33 kV	Blangad	3.0	
42	33 kV	Erumapetty	2.5	
43	33 kV	Kongannur	4.0	
44	33 kV	Vellangallur	0.5	
45	33 kV	Parappukara	0.0	
46	33 kV	Chirakkal	2.0	
47	33 kV	Palakkal	0.5	
48	33 kV	Anthikad	2.0	
49	33 kV	Kaipamangalam	0.5	
50	33 kV	Anchangady	1.0	
51	33 kV	Methala	3.0	
52	33 kV	Vadanapilly	2.0	
53	33 kV	Mullassery	2.0	