

POWER GRID COMPANY OF BANGLADESH LTD.

System Planning

LIST OF GRID SUBSTATIONS

(As in June 2009)

A. 230/132 KV SUBSTATIONS

a. PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity (MVA)	Maximum Flow So far (MW)	Remarks
1	Hathazari	3 x 150	405	
2	Comilla (N)	1 x 225 (3 x 75)	210	
3	Tongi	3 x 225 (10 x 75)	480	
4	Haripur	3 x 225 (10 x 75)	345	
5	Hasnabad	3 x 225 (10 x 75)	332	
6	Rampura	3 x 225 (9 x 75)	420	
7	Aminbazar	3 x 225 (9 x 75)	264	
8	Ishurdi	3 x 225 (9 x 75)	420	
9	Barapukuria	2 x 225 (6 x 75)	334	
10	Sirajganj Switching			Date of commisionning: 01-12-07
11	Bogra	1 x 225 (4 x 75)		Date of commisionning: May 2008
12	Baghabari	1 x 225 (4 x 75)		Date of commisionning: 28-02-09
13	Khulna(S)	2 x 225 (7 x 75)		Date of commisionning: 16-12-06 & 29-01-07
b. BPDB				
1	Ashuganj	2 x 150		
2	Ghorasal	2 x 125		

B. 132/33 KV SUBSTATIONS

1.CHITTAGONG CIRCLE

a. PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity (MVA)	Maximum Demand So Far Served (MW)	Remarks
1	Chandraghona	2 x 15/20	34	
2	Hathazari	1x44.1/63, 1x41/63	66	
3	Madunaghat	2 x 25 / 41	42	One Transformer is out of service
4	Dohazari	2 x 28 / 40	49	
5	Cox'sbazar	2 x 25/41	39	
6	a) Kulsi	2 x 44.1 / 63	108	
	b) Kulsi Meghna Engg.	1 x 25/41	24	
7	Baroaulia	2 x 48 /64	65	
8	Halishahar	2 x 44.1 / 63, 1 x 48 / 64	114	
9	Bakulia	2 x 48 /64	85	
10	Julda	2 x 48 /64	16	
11	Shahmirpur	2 x 48 /64		
b. BPDB				
1	Kaptai	1x 15 / 20	7.5	
2	Sikalbaha	2 x 25 / 41.6	37.1	
1	AKSML	1x25/30	12.9	

2. DHAKA CIRCLE

a. PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity(MVA)	Maximum Demand So Far Served (MW)	Remarks
1	Siddhirganj	2 x 50 / 83.3	89	
2	Maniknagar (Saidabad)	1 x 50 / 75	70	
3	Ullon	3 x 35 / 50	111	
4	Shyampur	3 x 50 / 75	128	
5	Hasnabad	3x35/50,1x25/33	119	
6	Mirpur	1x35/50,2x50/75	121	
7	Kollyanpur	3 x 50 / 75	138	
8	Gulshan GIS	2 x 80 / 120	77.9	Date of commissioning: 27-05-07
9	Tongi	2x50/75,1x25/41	115	
10	Kabirpur	2x25/41,1x50/83	112	
11	Manikganj	2x 35 / 50	70	
12	Tangail	2x 25 / 41	74	
13	Joydebpur	3 x 35 / 50	105	
14	Bhulta	2 x 35/50	65	
15	Kishoreganj	3 x 15 / 20	42	
16	Mymensingh	3 x 25 / 41	80	
17	Jamalpur	3 x 25 / 41	78	
18	Netrokona	2 x 15 / 20	44.5	
19	New Tongi	2 x 50 / 75		Date of commissioning: June 2008
b. BPDB				
1	Ghorasal	2 x 50	84	
c. DPDC				
1	Haripur	2 x 35 / 50	83	
2	Moghbarazar	2 x 50 / 75	119	
3	Dhanmondi	3 x 50 / 75	124	
4	Narinda	2 x 50 / 75	107	
5	Banga Bhaban	2 x 28 / 35	53	
6	Madanganj	2 x 35/50	80	
7	Sitalakhya	2 x 50 / 75	86	
8	Matuail (Jalkuri)	2 x 50 / 75	23	
9	Kamrangirchar	2 x 50 / 75	62	Date of commissioning: June 2008
10	Narsingdi	1 x 50 / 75		Date of commissioning: May 2009
d. DESCO				
1	Basundhara	3 x 50 / 75	145	
2	Uttara	2 x 50 / 75	67.3	
1	Rahim Steel	1 x 20/25	16	

3. COMILLA CIRCLE

a. PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity(MVA)	Maximum Demand So Far Served (MW)	Remarks
1	Feni	2 x 25 / 41	60	
2	Chowmuhani	3 x 25 / 41	68	
3	Comilla (N)	1 x 40, 1x15/20	47	
4	Comilla (S)	4 x 25 / 41	98	
5	Chandpur	2 x 25 / 41	51	
6	Sreemongal	2 x 15 / 20	34	
7	Fenchuganj	15 / 19.9, 15 / 20	26	
8	Sylhet	2x25/41,1x50/83	118	
9	Chhatak	2x15/20,1x25/41	30	
b. BPDB				
1	Ashuganj	2x15 / 25, 1x25, 1x25/41	58	
2	Shahjibazar	1 x 25 / 41	33	

4. KHULNA CIRCLE

a. PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity(MVA)	Maximum Demand So Far Served (MW)	Remarks
1	Goalpara	2 x 12.5 / 16.67	7.4	
2	Khulna(C)	3 x 48 / 64	99	
3	Noapara	2 x 20	32.6	
4	Jessore	1x50/83.3, 2x40	93	
5	Jhenaidah	2 x 25 / 41	64	
6	Kushtia(Bottail)	2 x 25 / 41	68	
7	Faridpur	2 x 25 /41	57	
8	Madaripur	2 x 25/41	65.2	
9	Gopalganj	2 x 15/20	16.6	
10	Barisal	2 x 25 / 41	58	
11	Bhandaria	2 x 15 / 20	22	
12	Bagerhat	2 x 25 / 41	56	
13	Mongla	2 x 25 / 41	25	
14	Patuakhali	2x15/20,1x25/41	34	
15	a) Bheramara PGCB	2 x 15/20	26.1	
	b) Bheramara GK (132/5.5)	1x15/20		
16	Satkhira	2 x 25 / 41	33.8	

5. BOGRA CIRCLE

PGCB				
Sl. No	Name of Grid Substation	Transformer Capacity(MVA)	Maximum Demand So Far Served (MW)	Remarks
1	Ishurdi	3x10/13.3	21	
2	Natore	2 x 25 /41	46	
3	Rajshahi	2x25/33, 1x35/50	66.5	
4	Chapai Nawabganj	4 x 15 / 20	61	
5	Pabna	2 x 25 / 41	48	
6	Shahajadpur	4 x 15 / 20	39	132/66-33 kV Transformer now operating as 132/33 kV
7	Sirajganj	3 x 15 / 20	42	
8	Bogra	4 x 25 / 41	95	
9	Noagaon	3 x 25 / 41	90	
10	Palashbari	2 x 15 / 20	33	
11	Rangpur	2 x 25 / 41	57	
12	Lalmonirhat	2x 15 / 20	32	
13	Saidpur	2 x 25 / 41	64	
14	Purbasadipur	1x12.5/16.67, 2 x 20	39.5	
15	Thakurgaon	2 x 25/41	55	
16	Barapukuria	2x 15 / 20	24	