



**Bangladesh Power Development Board**  
**DAILY ELECTRICITY GENERATION REPORT**

Office of the Member, Generation  
Tel.: 9584667, 9551095

Month January, 2020				Day : Saturday				Date : 25.01.20								
Probable Maximum Demand : 9000 MW				Probable Maximum Generation : 13928 MW												
Water Level of Kaptai Lake at 06:00 AM				Yesterday = 94.68 ft				Today = 94.59 ft				Rule Curve = 98.40 ft				
Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	24.01.20 (Yesterday)		25.01.20 (Today)		Probable Peak Generation (MW)		24.01.20 (Yesterday)		25.01.20 (Today)		Status of Machines under shut-down/ Maintenance	
					Actual Peak Generation (MW)	Evening	Actual Peak Generation (MW)	Evening	Day	Evening	Day	Evening	Gas/water/Coal limitation MW	Machines shut down (MW)	Description/ Remarks	Probable start-up date
<b>(A) Plants in operation:</b>																
1	a) Ghorasal TPP (Unit-1&2)	Gas (PDB)	2 x 55	110	85	71	71	71	71							
	b) Ghorasal Repowered CCPP Unit-3	Gas (PDB)	1 x 210	210	170	0	0	0	0						On Test	
	c) Ghorasal Repowered CCPP Unit-4	Gas (PDB)	1 x 210	210	180	101	100	100	100							
	d) Ghorasal TPP Unit-5	Gas (PDB)	1 x 210	210	190	0	0	0	0		190				Gas Shortage	
2	Ghorasal 365 MW CCPP Unit-7	Gas (PDB)	1x 254+1x 126	365	365	320	320	360	360							
3	Ghorasal 108MW PP (Regent)	Gas (IPP)	34x3.35	108	108	0	0	0	0							
4	Ghorasal 78.5 MW PP(MAX)	Gas (QRPP)	2x40	78	78	0	0	0	0							
5	Tongi 80 MW GTPP	Gas (PDB)	1 x 105	105	105	0	0	0	0			105			Gas Shortage	
6	Haripur GTPP	Gas (PDB)	2 x 32	64	40	0	0	0	0			40			Gas Shortage	
7	Haripur 360MW CCPP(HPL)	Gas (IPP)	1x235+1x125	360	360	372	369	360	360							
8	Meghnaghat 450 MW CCPP(MPL)	Gas (IPP)	2x140+1x170	450	450	380	450	450	450							
9	210 MW Siddhirganj TPP	Gas (PDB)	1 x 210	210	115	0	0	0	0		115				Gas Shortage	
10	Haripur 412 MW CCPP	Gas (EGCB)	1x273+1x139	412	412	334	300	412	412							
11	Siddhirganj 2'120 MW GTPP	Gas (EGCB)	2 x 105	210	210	0	0	0	0		210				Gas Shortage	
12	Siddhirganj 335 MW CCPP	Gas (EGCB)	1 x 217+1x118	335	335	0	190	0	0							
13	Siddhirganj 100 PP(Dutch Bangla)	HFO (QRPP)	12x8.9	100	100	0	24	100	100							
14	Meghnaghat CCPP(Summit)	GAS (IPP)	2x110+1x110	305	305	0	0	0	0		305				Gas Shortage	
15	Meghnaghat 100 MW(EL)	HFO (QRPP)	12x8.9	100	100	7	78	100	100							
16	Madanganj 102 PP(Summit)	HFO (QRPP)	6x17	102	100	0	15	100	100							
17	Madanganj-55 MW PP(Summit)	HFO (IPP)	5x17.08+1x11.3	55	55	0	0	55	55							
18	Keraniganj 100 MW PP (Powerpac)	HFO (QRPP)	8x13.45	100	100	0	0	100	100							
19	Gagnagar 102 MW PP (Digital Pow)	HFO (IPP)	12x8.924	102	102	7	102	100	102							
20	Narsingdi 22 MW PP (Doreen)	Gas (SIPP, REB)	8x2.90	22	22	22	22	22	22							
21	Summit Power, (Madhabdi-Ashulia)	Gas (SIPP, REB)	6x3.67+7x8.73	80	80	53	53	57	57							
22	Maona 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	20	20	37	33							
23	Rugganji 33 MW PP(Summit)	Gas (SIPP, REB)	4x8.73	33	33	31	31	33	33							
24	Gazipur 52 MW PP	HFO (RPCL)	6x8.90	52	52	0	0	52	52							
25	Gazipur 100 MW PP	HFO (RPCL)	6x18.415	105	105	0	0	100	100							
26	Kodda 150MW PP	HFO (BPDB-RPCL)	9x17.06	149	149	0	0	149	149							
27	Katpotti 52 MW PP (Sinha)	HFO (IPP)	7x7.90	51	51	0	12	50	50							
28	Kamalaghat 54 MW PP (Barco Energy)	HFO (IPP)	3x18.69	54	54	17	53	54	54							
29	Kodda 300 MW PP Unit-2 (Summit)	HFO (IPP)	18x17.076	300	300	0	0	200	300							
30	Kodda 149 MW PP Unit-1 (Summit)	HFO (IPP)	8x18.415+1x8.97	149	149	0	0	100	149							
31	Keraniganj 300 MW PP (APR)	HSD (IPP)	256x1.4	300	300	0	0	0	300							
32	Branhangoan 100 MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100							
33	Aurahat 100MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100							
34	Nabaganj 55 MW PP (Southern pc)	HFO (IPP)	3x19.3	55	55	0	0	55	55							
35	Manikganj 55 MW PP (Northern)	HFO (IPP)	3x19.3	55	55	0	17	55	55							
36	Bosila 108MW PP(CLC)	HFO (IPP)	12x8.775+1x3.5	108	108	0	0	71	71							
<b>Dhaka Zone Total</b>				<b>6047</b>	<b>5811</b>	<b>1735</b>	<b>2227</b>	<b>3339</b>	<b>3990</b>	<b>965</b>	<b>0</b>					
37	Karnaphuli Hydro PP Unit-1,2,3,4	Hydro (PDB)	2x40, 3x50	230	230	35	36	40	40		194				Low Water Level	
38	a) Chattogram TPP-1	Gas (PDB)	1 x 210	210	180	0	0	0	0		180				Gas Shortage	
	b) Chattogram TPP-2	Gas (PDB)	1 x 210	210	180	120	120	120	120							
39	Kaptai 7 MW Solar PP	Solar (PDB)		7	7	2.3	0	5	0							
40	Raozan 25 MW PP	HFO (RPCL)	3x8.9	25	25	0	0	25	25							
41	Teknaf 20MW PP (Solarsat)	Solar (IPP)	1x20	20	20	8.36	0	20	0							
42	Patenga 50MW PP (Baraka)	HFO (IPP)	8x6.89	50	50	0	19	50	50							
43	Sikalbaha 105 MW PP (Baraka Sik)	HFO (IPP)	6x18.415	105	105	0	34	105	105							
44	Shikalbaha Peaking GT	Gas (PDB)	1 x 150	150	150	139	140	145	145							
45	Sikalbaha 225 MW CCPP	Gas (PDB)	1 x 150+1 x 75	225	225	151	125	0	150							
46	Anwara 300 MW PP (United)	HFO (IPP)	17x17.076+3x8.04	300	300	16	201	230	300							
47	Juldah 100 MW Unit-1 (Accom)	HFO (QRPP)	8x13.45	100	100	0	0	100	100							
48	Juldah 100 MW PP Unit-3 (Accom)	HFO (IPP)	8x13.45	100	100	0	20	90	90							
49	Dohazari-Kalaish 100 MW Peaking	HFO (PDB)	6x17.0	102	102	0	0	80	100							
50	Hathazari 100 MW peaking PP	HFO (PDB)	11x8.9	98	98	0	0	0	0							
51	Barabkunda 22 MW PP (Regent)	Gas (SIPP, PDB)	8x2.90	22	22	19	19	21	21							
*	Malancha, Ctg.EPZ (United)	Gas	5x8.73+3x9.34			35	26	10	30							
52	Chattogram 108 MW PP (ECPV)	HFO (IPP)	16x7.00	108	108	0	0	100	100							
53	Sikalbaha 54 MW Power Plant(Jodiac Power)	HFO (IPP)	3x18.55+1x3.6	54	54	0	0	54	54							
54	Karnaphuli Power Ltd.	HFO (IPP)	6x18.41+1x6.4	110	110	0	0	50	110							
<b>Chattogram Zone Total</b>				<b>2226</b>	<b>2166</b>	<b>525.66</b>	<b>740</b>	<b>1245</b>	<b>1540</b>	<b>374</b>	<b>0</b>					
55	a) Ashuganj TPP Unit- 3	Gas (APSCCL)	1 x 150	150	135	0	0	0	0		135				Gas Shortage	
	b) Ashuganj TPP Unit- 4	Gas (APSCCL)	1 x 150	150	129	0	0	0	0		129				Gas Shortage	
	c) Ashuganj TPP Unit- 5	Gas (APSCCL)	1 x 150	150	134	80	135	100	100							
56	Ashuganj 50 MW PP	Gas (APSCCL)	14x3.968	53	45	5	43	40	43							
57	Ashuganj 225 MW CCPP	Gas (APSCCL)	1x142+1'75	221	221	102	60	225	225							
58	Ashuganj 450 MW CCPP(South)	Gas (APSCCL)	1x360	360	360	295	320	360	360							
59	Ashuganj 450 MW CCPP(North)	Gas (APSCCL)	1x361	360	360	310	310	360	360							
60	Ashuganj 55 MW PP (Precision)	Gas (RPP)	15'4	55	55	5	25	5	5							
61	Ashuganj 195MW PP (APSCCL)	Gas (IPP)	20'9.73+1'116	195	195	8	158	8	8							
62	Ashuganj 51 MW PP (Midland)	Gas (IPP)	6x9.34	51	51	43	43	43	43							
63	Ashuganj 150MW PP (Midland)	HFO (IPP)	23x7.015	150	150	0	0	100	150							
64	Titas 50 MW Peaking PP	HFO (PDB)	6x8.92	52	52	0	0	0	50							
65	Chandpur 150 MW CCPP	Gas (PDB)	1X106+1x57	163	163	88	89	0	90							
66	Chandpur 200MW (Desh energy)	HFO (IPP)	12x18.415	200	200	0	0	0	200							
67	Feni 22MW PP (Doreen)	Gas (SIPP, PDB)	8x2.90	22	22	22	22	22	22							
68	Feni 11 MW PP (Doreen)	Gas (SIPP, REB)	4x2.90	11	11	5	8	11	11							
69	Jangalia 33MW PP (Summit)	Gas (SIPP, PDB)	4x8.73	33	33	33	33	33	33							
70	Jangalia 52 MW PP (Lakdanavi)	HFO (IPP)	6x8.92	52	52	0	0	0	50							
71	Cumilla 25 MW PP (Summit)	Gas (SIPP, REB)	3x3.67+2x6.97	25	25	14	19	14	14							
72	Daudkandi 200 MW PP (B.Trac)	HSD (IPP)	8x1.4+40x1.515+15x1.05	200	200	0	0	0	200							
73	Feni 114 MW Power Plant(Lakdanavi)	HFO (IPP)	7'18.415+1'9.78	114	114	0	0	0	114							
74	Chowmuhani 113 MW	HFO (IPP)	12'9.78+2'3.1	113	113	0	0	113	113							
**	Impopt (Tripura)	India		160	160	70	96	85	102							
<b>Cumilla Zone Total</b>				<b>3040</b>	<b>2980</b>	<b>1080</b>	<b>1361</b>	<b>1519</b>	<b>2293</b>	<b>264</b>	<b>0</b>					
75	RPCL 210MW CCPP	Gas (IPP)	4x35+1x70	210	202	160	159	160	160							

Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	24.01.20 (Yesterday)		25.01.20 (Today)		24.01.20 (Yesterday)		Status of Machines under shut-down/ Maintenance		
					Actual Peak Generation (MW)		Probable Peak Generation (MW)		Gen. shortfall for :		Description/ Remarks	Probable start-up date	
					Day	Evening	Day	Evening	Gas/water/Coal limitation MW	Machines shut down (MW)			
81	Fenchugonj CCGP Phase-1	Gas (PDB)	2x32+1x33	97	70	30	60	54	54				
82	Fenchugonj CCGP Phase-2	Gas (PDB)	2x35+1x35	104	90	66	66	66	66				
83	Fenchugonj 51 MW PP (Barakattul)	Gas (RPP)	19x2.90	51	51	50	53	51	51				
84	Fenchugonj 44MW (Energyprima)	Gas (RPP)	12x3.3+5x2.0	44	44	47	50	44	44				
85	Kushlaha 163 MW CCGP (KP)	Gas (IPP)	1x109+1x54	163	163	130	163	163	163				
86	Hobiganj 11MW PP Confidence-E	Gas (SIPP, REB)	4x2.90	11	11	11	11	11	11				
87	Shahjibazar GTPP Unit- 8 & 9	Gas (PDB)	2x35	70	66	45	67	66	66				
88	Shahjibazar 330 MW CCGP	Gas (PDB)	2x110+2x110	330	330	143	150	160	160				
89	Shahjibazar 86MW PP (Shahjibaza)	Gas (RPP)	32x2.90	86	86	73	76	76	76				
90	Sylhet 150 MW CCGP	Gas (PDB)	1x142	142	142	69	68	70	70		on test		
91	Sylhet 20 MW GTPP	Gas (PDB)	1 x 20	20	20	0	17	17	17				
92	Sylhet 50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	0	0	0	0				
93	Sylhet 10MW PP (Desh)	Gas (RPP)	6x1.95	10	10	10	10	10	10				
94	Shahjahanulla 25 MW PP	Gas (CIPP, REB)	3x9.34	25	25	23	24	24	24				
95	Bibiana-II 341 MW CCGP (Summit)	Gas (IPP)	1x222+1x119	341	341	280	310	341	341				
96	Bibiyan-II 400 MW CCGP	Gas (PDB)	1x285+1x115	400	400	144	145	230	230				
<b>Sylhet Zone Total</b>					<b>1944</b>	<b>1899</b>	<b>1121</b>	<b>1270</b>	<b>1383</b>	<b>1383</b>	<b>0</b>	<b>0</b>	
97	Bheramara GTPP Unit-1,2 & 3	HSD (PDB)	3 x 20	60	46	0	0	0	40				
98	Bheramara 410 MW CCGP	Gas (NWP/GCL)	1 x 278+1 x 132	410	410	0	0	0	0		410	Under Maint.	
99	Fairdipor 50 MW Peaking PP	HFO (PDB)	8x6.98	54	54	0	0	0	36			30.01.2020	
100	Gopalganj 100 MW Peaking PP	HFO (PDB)	16x6.98	109	109	0	0	30	70				
101	Khulna 225 MW CCGP	HSD (NWP/GCL)	1 x 150+1x75	230	230	0	0	0	230				
102	Khulna 115 PP MW (KPCL-2)	HFO (QRPP)	7x17	115	115	16	66	115	115				
103	Noapara 100 MW PP (Bangla Trac)	HSD (IPP)	70x1.4+7x1.5+15	100	100	0	0	80	100				
104	Noapara 40 MW PP (Khanjahan Ali)	HFO (QRPP)	5x8.5	40	40	0	24	33	33				
105	Rupsha 105 MW PP (Orion rupsha)	HFO (IPP)	6x18.445	105	105	0	0	50	105				
106	Madhumati 100 MW PP	HFO (NWP/GCL)	6x18.415	105	105	0	50	50	105				
**	Bheramara (HVDC)	India		1000	1000	133	451	212	655				
<b>Khulna Zone Total</b>					<b>2328</b>	<b>2314</b>	<b>149</b>	<b>591</b>	<b>570</b>	<b>1489</b>	<b>0</b>	<b>410</b>	
107	Barisal GT PP Unit-1&2	HSD (PDB)	2 x 20	40	30	0	0	0	30				
108	Barisal 110 MW PP (Summit)	HFO (IPP)	7 x 17.076	110	110	0	110	70	110				
109	Bhola 33 MW PP (Venture)	Gas (RPP)	1x34.50	33	33	11	20	20	20				
110	Bhola 225 MW CCGP	Gas (PDB)	2x63+1x68	194	194	70	70	15	95				
111	Bhola 95 MW PP (Aggreko)	Gas (QRPP)	1.1x96	95	95	37	39	95	95				
<b>Barisal Zone Total</b>					<b>472</b>	<b>462</b>	<b>118</b>	<b>239</b>	<b>200</b>	<b>350</b>	<b>0</b>	<b>0</b>	
112	a) Baghabani 71 MW GTPP	Gas (PDB)	1 x 71	71	71	0	0	0	0		71	Gas Shortage	
	b) Baghabani 100 MW GTPP	Gas (PDB)	1 x 100	100	100	0	0	0	0		100	Gas Shortage	
113	Baghabani 50 MW Peaking PP	HFO (PDB)	6x8.9	52	52	0	0	0	50				
114	Baghabani 200 MW PP (Paramount)	HSD (IPP)	135x1.6	200	200	0	0	200	200				
115	Bera 70 MW Peaking PP	HFO (PDB)	9x8.29	71	71	0	0	0	45				
116	Amnura 50 MW PP(Sinha)	HFO (QRPP)	7x7.79	50	50	40	24	50	50				
117	Chapainawabganj 100 MW Peaking	HFO (PDB)	12x8.924	104	104	0	0	80	100				
118	Katakhal 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	40	40				
119	Katakhal 50 MW PP (Northern)	HFO (QRPP)	6x8.9	50	50	0	0	40	40				
120	Santahar 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	0	38				
121	Sirajgonj 225MW CCGP Unit-1	Gas (NWP/GCL)	1x150+1x75	210	210	140	225	210	210				
122	Sirajgonj 225MW CCGP Unit-2	Gas (NWP/GCL)	1x150 + 1x75	220	220	0	0	0	0				
123	Sirajgonj 225MW CCGP Unit-3	Gas (NWP/GCL)	1x141+1x79	220	220	130	204	220	220				
124	Sirajgonj 400 MW CCGP Unit-4	Gas (IPP)	1x282+1x132	414	414	298	434	410	430				
125	Bogra 22 MW PP (GBB)	Gas (RPP)	6x4.0	22	22	0	22	22	22				
126	Bogura 20 MW PP (Energyprima)	Gas (RPP)	5x3.3+5x2.0	20	10	0	3	10	10				
127	Ullapara 11 MW PP (Summit)	Gas (SIPP, REB)	4x2.90	11	11	11	11	11	11				
128	Natore 52 MW PP (Rajlanka)	HFO (IPP)	6x8.92	52	52	9	0	52	52				
129	Bagura 113 MW PP (Confidence) Unit-1	HFO (IPP)	6*18.55	113	113	0	35	113	113				
130	Bagura 113 MW PP (Confidence) Unit-2	HFO (IPP)	6x18.55	113	113	0	0	0	113				
<b>Rajshahi Zone Total</b>					<b>2193</b>	<b>2183</b>	<b>628</b>	<b>958</b>	<b>1458</b>	<b>1744</b>	<b>171</b>	<b>0</b>	
131	a) Barapukuria TPP Unit-1	Coal (PDB)	1 x 125	125	85	123	120	125	125				
	b) Barapukuria TPP Unit-2	Coal (PDB)	1 x 125	125	85	0	0	0	0		85	Shutdown for Low Demand	
132	Barapukuria 275 MW TPP Unit-3	Coal (PDB)	1 x 274	274	274	250	280	200	275				
133	Rangpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0	17				
134	Rangpur 113 MW PP (Confidence)	HFO (IPP)	7*16x 2*3	113	113	0	35	113	113				
135	Saidpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0	17				
136	Majpara, Tahula 8 MW Solar PP (Sympa)	Solar (IPP)	1 x 8	8	8	1.1	0	8	0				
<b>Rangpur Zone Total</b>					<b>685</b>	<b>605</b>	<b>374</b>	<b>435</b>	<b>446</b>	<b>547</b>	<b>0</b>	<b>85</b>	
<b>Sub-total: Plants in operation</b>					<b>19580</b>	<b>19057</b>	<b>6011.8</b>	<b>8121</b>	<b>10589</b>	<b>13928</b>	<b>1774</b>	<b>495</b>	
<b>Available Power at Sub-station end excluding P/S auxiliary use and Transmission loss</b>													
					<b>5653</b>	<b>7418</b>	<b>9558</b>	<b>13098</b>					
<b>(B) Contract expired power plants</b>													
137	Shahjibazar 50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	0	0	0	0			Contract expired	
<b>Sub-Total: Plants under long term maintenance</b>					<b>50</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
<b>Gross Total</b>					<b>19630</b>	<b>19107</b>	<b>6011.8</b>	<b>8121</b>	<b>10589</b>	<b>13928</b>	<b>1774</b>	<b>495</b>	
<b>(C) Actual data of 24.01.20 (Yesterday) Friday :</b>													
01.	Max. Demand (Generation end)	:	8121.00 MW, at = 19:00 hrs P	12.	Zone wise Demand and Load-shed at Evening Peak (Sub-station end) :								
02.	Max. Demand (Sub-station end)	:	7418.00 MW, at = 19:00 hrs P	Zone	Demand MW	Supply MW	Load Shed MW	Zone	Demand MW	Supply MW	Load Shed MW		
03.	Highest Generation (Generation end)	:	8121.00 MW, at = 19:00 hrs P	Dhaka	2431	2431	0	Mymensingh	703	703	0		
04.	Minimum Generation (Generation end)	:	5530.00 MW, at = 5:00 hrs	Chattogram	824	824	0	Sylhet	313	313	0		
05.	Day-peak Generation (Generation end)	:	6011.76 MW, at = 09:00 hrs	Khulna	1007	1007	0	Barishal	232	232	0		
06.	Evening-peak Generation (Generation end)	:	8121.00 MW, at = 19:00 hrs P	Rajshahi	1007	1007	0	Rangpur	232	232	0		
07.	Evening Peak Load-shed (Sub-station end)	:	0.00 MW, at = 19:00 hrs P	Cumilla	669	669	0						
08.	Actual Minimum Generation up to 8:00 hrs.	:	5130.00 MW, at = 5:00 hrs am										
09.	Generation shortfall at evening peak due to :	:											
a)	Gas limitation	:	1580 MW	13.	Fuel cost :	(a) Gas = 120593636 Taka	(c) Coal = 43490558 Taka						
c)	Coal supply Limitation	:	0 MW		(b) Oil = 61643172 Taka	Total = 164084194 Taka							
b)	Low water level in Kaptai lake	:	194 MW										
c)	Plants under shut down/ maintenance	:	495 MW	14.	Maximum Temperature in Dhaka was :	24.7° C							
10.	Total Energy (Generation + India Import)	:	153.20 MKWh	15.	Export through East-West interconnections :								
	By Gas = 129.298 MKWh	By Oil = 6.557 MKWh			At evening peak-hour	: -672 MW, at 19:00 hrs PM							
	By Coal = 9.039 MKWh	By Hydro = 0.829 MKWh			Maximum	: -706 MW, at 18:30 hrs							
	By Solar = 0.171 MKWh				Energy	: 7.84 MKWh							
11.	Total Gas Supplied	:	1054.27 MMCFD										
<b>(D) Forecast of 25.01.20 (Today) Saturday :</b>													
01.	Maximum Demand	:	9000 MW (Generation end)	04.	Maximum Load-shed	:	0 MW At evening peak (Sub-station end)						
02.	Maximum Generation	:	13928 MW (Generation end)	05.	Total Generation	:	169.78 MKWh						
03.	Maximum Shortage	:	-4928 MW (Generation end)	06.	Probable Max. Temperature in Dhaka :	:	23.6° C						

\* Captive Power \*\* Imported Power

#Remarks: Highest Generation 12893MW on 29-05-2019 at 21:00

(Faouzi Islam Shaker)  
Deputy Secretary, Generation