



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

Office of the Member, Generation  
Tel : 954667, 9551095

Month April, 2020				Day : Wednesday				Date : 29.04.20							
Probable Maximum Demand : 9000 MW				Probable Maximum Generation : 15152 MW											
Water Level of Kaptai Lake at 06:00 AM				Yesterday = 78.73 ft				Today = 78.84 ft				Rule Curve = 82.40 ft			
Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	28.04.20 (Yesterday)		29.04.20 (Today)		28.04.20 (Yesterday)		29.04.20 (Today)		Status of Machines under shut-down/ Maintenance	Description/ Remarks	Probable start-up date
					Actual Peak Generation (MW)	Evening	Probable Peak Generation (MW)	Evening	Gas/Water/Coal limitation MW	Machines shut down (MW)					
<b>(A) Plants in operation:</b>															
1	a) Ghorasal TPP (Unit-1&2)	Gas (PDB)	2 x 55	110	85	24	24	24	24			61	Unit-1 Under maint.		
	b) Ghorasal Repowered CCPP Unit-3	Gas (PDB)	1 x 210	210	170	0	0	0	0			170	Under maint.		
	c) Ghorasal Repowered CCPP Unit-4	Gas (PDB)	1 x 210	210	180	0	0	0	0			180	Under maint.		
	d) Ghorasal TPP Unit-5	Gas (PDB)	1 x 210	210	190	0	0	0	0			190	Under maint.		
2	Ghorasal 365 MW CCPP Unit-7	Gas (PDB)	1x 254+1x 126	365	365	240	210	280	280						
3	Ghorasal 108MW PP (Regent)	Gas (IPP)	34x3.35	108	108	12	12	108	108						
4	Ghorasal 78.5 MW PP(MAX)	Gas (QRPP)	2x40	78	78	0	0	0	0			78	Gas Shortage		
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	242	325	310	360						
8	Meghnaghat 450 MW CCPP(MPL)	Gas (IPP)	2x140+1x170	450	450	360	360	450	450						
9	210 MW Siddhirganj TPP	Gas (PDB)	1 x 210	210	115	0	0	0	0			115	Under Overhauling		
10	Haripur 412 MW CCPP	Gas (EGCB)	1x273+1x139	412	412	341	362	412	412						
11	Siddhirganj 2*120 MW GTPP	Gas (EGCB)	2 x 105	210	210	77	150	200	200			60	Gas Shortage		
12	Siddhirganj 335 MW CCPP	Gas (EGCB)	1 x 217+1x118	335	335	140	180	217	217						
13	Siddhirganj 100 PP(Dutch Bangla)	HFO (QRPP)	12x8.9	100	100	0	0	100	100						
14	Meghnaghat CCPP(Summit)	GAS (IPP)	2x110+1x110	305	305	140	130	150	150						
15	Meghnaghat 100 MW(EL)	HFO (QRPP)	12x8.9	100	100	0	0	100	100						
16	Madanganj 102 PP(Summit)	HFO (QRPP)	6x17	102	100	15	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	0	0	102	102						
20	Narsingdi 22 MW PP (Doreen)	Gas (SIIP, REB)	8x2.90	22	22	0	19	22	22						
21	Summit Power (Madhabdi-Ashulia)	Gas (SIIP, REB)	6x3.67+7x6.73	80	80	33	37	35	35						
22	Maona 33 MW PP(Summit)	Gas (SIIP, REB)	4x8.73	33	33	28	16	33	33						
23	Rupganj 33 MW PP(Summit)	Gas (SIIP, REB)	4x8.73	33	33	23	23	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	Katpott 52 MW PP (Sinha)	HFO (IPP)	7x7.90	51	51	0	0	50	50						
28	Kamalaghat 54 MW PP (Banco Energy)	HFO (IPP)	3x18.69	54	54	0	0	54	54						
29	Kodda 300 MW PP Unit-2 (Summit)	HFO (IPP)	18x17.076	300	300	0	0	100	300						
30	Kodda 149 MW PP Unit-1 (Summit)	HFO (IPP)	8x18.415+1x8.97	149	149	0	0	149	149						
31	Keraniganj 300 MW PP (APR)	HSD (IPP)	26x1.4	300	300	0	0	0	300						
32	Bramhangon 100 MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100						
33	Aurahati 100MW PP (Aggreko)	HSD (IPP)	23x0.85+91x.959	100	100	0	0	0	100						
34	Nababganj 55 MW PP (Southern pc)	HFO (IPP)	3x19.3	55	55	0	17	55	55						
35	Manikganj 55 MW PP (Northern)	HFO (IPP)	3x19.3	55	55	0	0	35	35						
36	Bosila 108MW PP(CLC)	HFO (IPP)	12x8.775+1x3.5	108	108	0	0	0	0						
<b>Dhaka Zone Total</b>				<b>6047</b>	<b>5811</b>	<b>1675</b>	<b>1880</b>	<b>3575</b>	<b>4325</b>	<b>283</b>	<b>716</b>				
37	Karnaphuli Hydro PP Unit-1,2,3,4, 5	Hydro (PDB)	2x40, 3x90	230	230	38	36	40	40			194	Low Water Level		
38	a) Chattogram TPP-1	Gas (PDB)	1 x 210	210	180	100	100	100	100						
	b) Chattogram TPP-2	Gas (PDB)	1 x 210	210	180	0	0	0	0			180	Under maint.		
39	Kaptai 7 MW Solar PP	Solar (PDB)		7	7	4.2	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	19.7	0	20	0						
42	Patenga 50MW PP (Baraka)	HFO (IPP)	8x6.89	50	50	0	0	50	50						
43	Sikalbaha 105 MW PP (Baraka Siki)	HFO (IPP)	6x18.415	105	105	0	0	105	105						
44	Shikalbaha Peaking GT	Gas (PDB)	1 x 150	150	150	139	142	140	145						
45	Sikalbaha 225 MW CCPP	Gas (PDB)	1 x 150+1 x 75	225	225	225	223	225	225						
46	Anwara 300 MW PP (United)	HFO (IPP)	17x17.076+3x8.04	300	300	0	0	230	300						
47	Juldah 100 MW Unit-1 (Acorn)	HFO (QRPP)	8x13.45	100	100	0	0	100	100						
48	Juldah 100 MW PP Unit-3 (Acorn)	HFO (IPP)	8x13.45	100	100	0	0	100	100						
49	Dohazari -Kalaish 100 MW Peaking	HFO (PDB)	6x17.0	102	102	0	34	100	100						
50	Hathazari 100 MW peaking PP	HFO (PDB)	11x8.9	98	98	0	0	0	0						
51	Barakunda 22 MW PP (Regent)	Gas (SIIP, PDB)	8x2.90	22	22	22	22	22	22						
*	Melancha, Ctg EPZ (United)	Gas	5x8.73+3x9.34			13	42	15	42						
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						
	Juldah unit-2	HFO (IPP)				0	40	100	100						
<b>Chattogram Zone Total</b>				<b>2226</b>	<b>2166</b>	<b>560.9</b>	<b>639</b>	<b>1581</b>	<b>1718</b>	<b>194</b>	<b>180</b>				
55	a) Ashuganj TPP Unit- 3	Gas (APSCL)	1 x 150	150	135	80	80	100	135						
	b) Ashuganj TPP Unit- 4	Gas (APSCL)	1 x 150	150	129	0	0	0	0			129	Gas Shortage		
	c) Ashuganj TPP Unit- 5	Gas (APSCL)	1 x 150	150	134	0	0	0	0			134	Gas Shortage		
56	Ashuganj 50 MW PP	Gas (APSCL)	14x3.968	53	45	33	5	40	40						
57	Ashuganj 225 MW CCPP	Gas (APSCL)	1x142+1*75	221	221	196	202	225	225						
58	Ashuganj 450 MW CCPP(South)	Gas (APSCL)	1x360	360	360	310	300	360	360						
59	Ashuganj 450 MW CCPP(North)	Gas (APSCL)	1x361	360	360	305	335	360	360						
60	Ashuganj 55 MW PP (Precision)	Gas (RPP)	15*4	55	55	5	5	5	20						
61	Asnuganj 150MW PP (APSCL)	Gas (IPP)	20*9.73+1*16	195	195	8	8	8	8						
62	Ashuganj 51 MW PP (Midland)	Gas (IPP)	6x9.34	51	51	5	5	51	51						
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	0	0	0	0			163	Under maint.		
66	Chandpur 200MW (Desh energy)	HFO (IPP)	12x18.415	200	200	0	0	0	200						
67	Feni 22MW PP (Doreen)	Gas (SIIP, PDB)	8x2.90	22	22	17	21	22	22						
68	Feni 11 MW PP (Doreen)	Gas (SIIP, REB)	4x2.90	11	11	5	0	11	11						
69	Jangalia 33MW PP (Summit)	Gas (SIIP, PDB)	4x8.73	33	33	0	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 (SIIP, REB)	3x3.67+2x6.97	25	25	0	20	22	22						
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	114	114						
74	Chowmuhani 113 MW	HFO (IPP)	12*9.78+2*3.1	113	113	0	36	113	113						
**	Impoort (Tripura)	India		160	160	100	108	116	141						
<b>Cumilla Zone Total</b>				<b>3040</b>	<b>2980</b>	<b>1064</b>	<b>1158</b>	<b>1680</b>	<b>2305</b>	<b>263</b>	<b>163</b>				
75	RPCL 210MW CCPP														

Sl. No.	Name of Power Station	Nos. of Unit X Capacity (MW)	Installed Capacity (MW)	Derated/ Present Capacity (MW)	28.04.20 (Yesterday)		29.04.20 (Today)		28.04.20 (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 CCPP Phase-1	Gas (PDB)	2x32+1x33	97	70	67	87	60	60				
82	Fenchugonj CCPP Phase-2	Gas (PDB)	2x35+1x35	104	90	20	30	30	30		60	Under maint.	
83	Fenchugonj 51 MW PP (Barakatull)	Gas (RPP)	19x2.90	51	51	5	8	51	51				
84	Fenchugonj 44MW (Energyprima)	Gas (RPP)	12x3.3+5x2.0	44	44	5	5	44	44				
85	Kushiana 163 MW CCPP (KP)	Gas (IPP)	1x109+1x54	163	163	130	163	163	163				
86	Hobiganj 11MW PP Confidence-E	Gas (SIIP, REB)	4x2.90	11	11	0	11	11	11				
87	Shahjibazar GTPP Unit- 8 & 9	Gas (PDB)	2x35	70	66	40	40	66	66				
88	Shahjibazar 330 MW CCPP	Gas (PDB)	2x110+2x110	330	330	168	174	220	220	156		Gas Shortage	
89	Shahjibazar 86MW PP (Shahjibaza)	Gas (RPP)	32x2.90	86	86	0	10	81	81				
90	Sylhet 150 MW CCPP	Gas (PDB)	1x142	142	142	70	118	100	150				
91	Sylhet 20 MW GTPP	Gas (PDB)	1 x 20	20	20	0	19	20	20				
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	0	10	10	10				
94	Shahjahanulla 25 MW PP	Gas (CIIP, REB)	3x3.34	25	25	0	24	24	24				
95	Bibiana-II 341 MW CCPP (Summit)	Gas (IPP)	1x222+1x119	341	341	300	310	341	341				
96	Bibyana-III 400 MW CCPP	Gas (PDB)	1x285+1x115	400	400	0	0	0	0	400		Under maint.	
<b>Sylhet Zone Total</b>				<b>1944</b>	<b>1899</b>	<b>805</b>	<b>1009</b>	<b>1221</b>	<b>1271</b>	<b>156</b>	<b>460</b>		
97	Bheramara GTPP Unit-1,2 & 3	HSD (PDB)	3 x 20	60	46	0	0	0	40				
98	Bheramara 410 MW CCPP	Gas (NWPGL)	1 x 278+1 x 132	410	410	350	370	410	410				
99	Faridpur 50 MW Peaking PP	HFO (PDB)	8x6.98	50	50	0	0	0	35				
100	Gopalganj 100 MW Peaking PP	HFO (PDB)	16x6.98	100	100	0	0	30	70				
101	Khulna 225 MW CCPP	HSD (NWPGL)	1 x 150+1x75	230	230	0	0	0	225				
102	Khulna 115 PP MW (KPCL-2)	HFO (QRPP)	7x17	115	115	0	49	115	115				
103	Noapara 100 MW PP (Bangla Trac)	HSD (IPP)	70x1.4+7x1.515	100	100	0	0	50	100				
104	Noapara 40 MW PP (Khanjahan Ali)	HFO (QRPP)	5x8.5	40	40	0	0	40	40				
105	Rupsha 105 MW PP (Orton rupsha)	HFO (IPP)	6x18.445	105	105	0	0	90	105				
106	Madhumat 100 MW PP	HFO (NWPGL)	6x18.415	105	105	0	0	50	105				
**	Bheramara (HVDC )	India		1000	1000	298	833	299	842				
<b>Khulna Zone Total</b>				<b>2328</b>	<b>2314</b>	<b>648</b>	<b>1252</b>	<b>1084</b>	<b>2087</b>	<b>0</b>	<b>0</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	0	50	110				
109	Bhola 33 MW PP (Venture)	Gas (RPP)	1x34.50	33	33	14	23	20	20				
110	Bhola 225 MW CCPP	Gas (PDB)	2x63+1x68	194	194	60	60	60	60				
111	Bhola 95 MW PP (Aggreko)	Gas (QRPP)	1.1x96	95	95	42	71	89	95				
Payra 1320 MW						301	301	300	400				
<b>Barishal Zone Total</b>				<b>472</b>	<b>462</b>	<b>417</b>	<b>455</b>	<b>519</b>	<b>715</b>	<b>0</b>	<b>0</b>		
112	a) Baghabari 71 MW GTPP	Gas (PDB)	1 x 71	71	71	40	70	70	70	1		Gas Shortage	
	b) Baghabari 100 MW GTPP	Gas (PDB)	1 x 100	100	100	0	0	0	0	100		Gas Shortage	
113	Baghabari 50 MW Peaking PP	HFO (PDB)	6x8.9	52	52	0	0	0	50				
114	Baghabari 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	0	0	50	50				
117	Chapainawabganj 100 MW Peaking	HFO (PDB)	12x8.924	104	104	0	0	80	100				
118	Katakali 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	40	46				
119	Katakali 50 MW PP (Northern)	HFO (QRPP)	6x8.9	50	50	0	0	42	42				
120	Santahar 50 MW Peaking PP	HFO (PDB)	6x8.7	50	50	0	0	0	35				
121	Sirajgonj 225MW CCPP Unit-1	Gas (NWPGL)	1x150+1x75	210	210	140	170	210	210	40		Gas Shortage	
122	Sirajgonj 225MW CCPP Unit-2	Gas (NWPGL)	1x150 + 1x75	220	220	0	0	0	0	220		Gas Shortage	
123	Sirajgonj 225MW CCPP Unit-3	Gas (NWPGL)	1x141+1x79	220	220	130	170	210	210	50		Gas Shortage	
124	Sirajgonj 400 MW CCPP Unit-4	Gas (IPP)	1x282+1x132	414	414	405	362	410	410				
125	Bogra 22 MW PP (GBB)	Gas (RPP)	6x4.0	22	22	5	5	17	17				
126	Bogra 20 MW PP (Energyprima)	Gas (RPP)	5x3.3+5x2.0	20	10	8	8	11	11				
127	Ullapara 11 MW PP (Summit)	Gas (SIIP, REB)	4x2.90	11	11	11	11	11	11				
128	Natore 52 MW PP (Rajlanka)	HFO (IPP)	6x8.92	52	52	0	0	40	43				
129	Bagura 113 MW PP (Confidence) Unit-1	HFO (IPP)	6'18.55	113	113	0	0	113	113				
130	Bagura 113 MW PP (Confidence) Unit-2	HFO (IPP)	6x18.55	113	113	0	0	113	113				
<b>Rajshahi Zone Total</b>				<b>2193</b>	<b>2183</b>	<b>739</b>	<b>796</b>	<b>1617</b>	<b>1776</b>	<b>411</b>	<b>0</b>		
131	a) Barapukuria TPP Unit-1	Coal (PDB)	1 x 125	125	85	0	0	0	0	85		Coal Shortage	
	b) Barapukuria TPP Unit-2	Coal (PDB)	1 x 125	125	85	0	0	0	0	85		Coal Shortage	
132	Barapukuria 275 MW TPP Unit-3	Coal (PDB)	1 x 274	274	274	149	150	200	200				
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	44	113	113				
135	Saidpur 20 MW GTPP	HSD (PDB)	1 x 20	20	20	0	0	0	15				
136	Majpara, Tatula 8 MW Solar PP (Sympa)	Solar (IPP)	1 x 8	8	8	0	0	8	0				
<b>Rangpur Zone Total</b>				<b>685</b>	<b>605</b>	<b>149</b>	<b>194</b>	<b>321</b>	<b>345</b>	<b>170</b>	<b>0</b>		
<b>Sub-total: Plants in operation</b>				<b>19580</b>	<b>19057</b>	<b>6279.8</b>	<b>7640</b>	<b>12210</b>	<b>15152</b>	<b>1477</b>	<b>1519</b>		
Available Power at Sub-station end excluding PIS auxiliary use and Transmission loss													
						<b>5948</b>	<b>7236</b>	<b>11564</b>	<b>14351</b>				
(B) Contract expired power plants													
137	Shahjibazar 50MW PP (EPL)	Gas (RPP)	27x2.0	50	50	0	0	0	0			Contract expired	
Sub-Total: Plants under long term maintenance				50	50	0	0	0	0				
<b>Gross Total</b>				<b>19630</b>	<b>19107</b>	<b>6279.8</b>	<b>7640</b>	<b>12210</b>	<b>15152</b>	<b>1477</b>	<b>1519</b>		
(C) Actual data of 28.04.20 (Yesterday) Tuesday :													
01.	Max. Demand (Generation end)	: 7640.00 MW, at = 21:00 hrs P											
02.	Max. Demand (Sub-station end)	: 7236.00 MW, at = 21:00 hrs P											
03.	Highest Generation (Generation end)	: 7640.00 MW, at = 21:00 hrs											
04.	Minimum Generation (Generation end)	: 5248.20 MW, at = 7:00 hrs											
05.	Day-peak Generation (Generation end)	: 6279.80 MW, at = 12:00 hrs											
06.	Evening-peak Generation (Generation end)	: 7640.00 MW, at = 21:00 hrs											
07.	Evening Peak Load-shed (Sub-station end)	: 0.00 MW, at = 21:00 hrs P											
08.	Actual Minimum Generation up to 8:00 hrs.	: 4783.07 MW, at = 5:00 hrs am											
09.	Generation shortfall at evening peak due to :												
a)	Gas limitation	: 1113 MW											
d)	Coal supply Limitation	: 170 MW											
b)	Low water level in Kaptai lake	: 194 MW											
c)	Plants under shut down/ maintenance	: 1519 MW											
10.	Total Energy (Generation + India Import)	: 155.75 MKWh											
	By Gas = 126.551 MKWh	By Oil = 4.933 MKWh											
	By Coal = 10.966 MKWh	By Hydro = 0.808 MKWh											
	By Solar = 0.183 MKWh												
11.	Total Gas Supplied	: 1034.22 MMCFD											
12.	Zone wise Demand and Load-shed at Evening Peak (Sub-station end) :												
	Zone	Demand MW	Supply MW	Load Shed MW	Zone	Demand MW	Supply MW	Load Shed MW					
	Dhaka	2191	2191	0	Mymensingh	580	580	0					
	Chattogram	765	765	0	Sylhet	297	297	0					
	Khulna	1048	1048	0	Barishal	243	243	0					
	Rajshahi	800	800	0	Rangpur	541	541	0					
	Cumilla	771	771	0									
					Total	7236	7236	0					
13.	Fuel cost :	(e) Gas = 144251846 Taka	(c) Coal = 51972053 Taka										
		(b) Oil = 17297317 Taka	Total = 213521216 Taka										
14.	Maximum Temperature in Dhaka was :	29.8° C											
15.	Export through East-West interconnections :												
	At evening peak-hour	: -127 MW, at 21:00 hrs PM											
	Maximum	: -370 MW, at 3:00 hrs											
	Energy	: 1.134 MKWh											
(D) Forecast of 29.04.20 (Today) Wednesday :													
01.	Maximum Demand	: 9000 MW (Generation end)											
02.	Maximum Generation	: 15152 MW (Generation end)											
03.	Maximum Shortage	: -6152 MW (Generation end)											
04.	Maximum Load-shed	: 0 MW At evening peak (Sub-station end)											
05.	Total Generation	: 183.48 MKWh											
06.	Probable Max. Temperature in Dhaka :	30.6° C											

\* Captive Power \*\* Imported Power

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

(Faouzi Islam Shaker)  
Deputy Secretary, Generation