



**Power Grid Bangladesh PLC
National Load Dispatch Center (NLDC)
System Summary Report**

Date : 13-07-2020

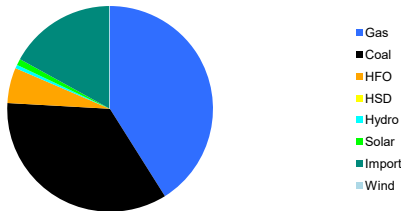
Power Supply Scenario

Day Peak Generation	13508.39	MW	12:00 Hr.	Energy Generated	316.60758	MKWHr.
Day Peak Demand	13596.17	MW	12:00 Hr.	Energy Unserviced	1.71700	MKWHr.
Evening Peak Generation	13749.23	MW	19:30 Hr.	Energy Demand	318.32458	MKWHr.
Evening Peak Demand	13899.23	MW	19:30 Hr.	Maximum Temperature	33.90	°C
Minimum Generation of the Day	11737.14	MW	17:00 Hr.	Total Gas Supplied	932.42	MMCFD
Maximum Generation of the Day	14740.23	MW	00:00 Hr.	Production Cost per KWHR	5.74891	Tk.

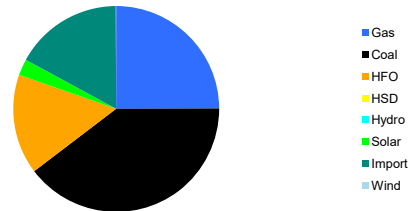
Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	35.51	0.00	11.35	0.00	0.00	0.15	0.00	0.00	47.02
Chattogram Zone	5.20	47.07	1.72	0.00	1.86	0.17	0.00	0.11	56.13
Cumilla Zone	30.98	0.00	1.33	0.00	0.00	0.50	3.69	0.00	36.50
Mymensingh Zone	0.00	0.00	2.19	0.00	0.00	0.08	0.00	0.00	2.27
Sylhet Zone	29.49	0.00	0.00	0.00	0.00	0.04	0.00	0.00	29.53
Khulna Zone	4.03	22.27	0.00	0.00	0.00	0.68	21.19	0.00	48.17
Barishal Zone	8.44	39.84	0.10	0.00	0.00	0.00	0.00	0.00	48.38
Rajshahi Zone	16.39	0.00	0.18	0.00	0.00	0.87	28.80	0.00	46.25
Rangpur Zone	0.00	1.18	0.66	0.00	0.00	0.52	0.00	0.00	2.36
Total	130.03	110.36	17.54	0.00	1.86	3.02	53.69	0.11	316.61

Fuel-Wise Generation Summary



Cost-Wise Generation Summary



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	453754890.6	Hydro	186246
Coal	723464867.4	Solar	46497423.78
HFO	285516154.3	Import	309113156.5
HSD	0	Wind	1616923.2
Total:	182,01,49,661	Total:	Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	21.190545	Peak Hr Flow	903.00 MW at 19:30 hrs.
Energy Flow from West to East:	KWHr:	48772381.82	Import through Adani C/B Interconnector:	MKWHr:	28.804863	Peak Hr Flow	1141.23 MW at 19:30 hrs.
Power during Peak Demand (W-E):	MW:	2241	Import through Cumilla C/B Interconnector:	MKWHr:	3.6912	Peak Hr Flow	180.00 MW at 19:30 hrs.
Maximum Power Flow (W-E):	MW:	2690	Total Import through C/B Interconnector:	MKWHr:	53.686608	Peak Hr Flow	2224.23 MW at 19:30 hrs.

Zone-wise Load-shed and Demand Summary (MW) at evening peak Hour (19:30 Hr.)

Zone	Load-Shed	Demand
Dhaka	20	5279
Chattogram	78	1499
Cumilla	0	1390
Mymensingh	46	954
Sylhet	0	482
Khulna	0	1261
Barishal	0	391
Rajshahi	0	1258
Rangpur	0	868
Total	144	13382

Status of unavailable Power Plant

Planned S/D			Forced S/D		
Sl	Plant Name	Capacity	Sl	Plant Name	Capacity
1	Baghabari 100 MW GTPP	100			
2	Barapukuria TPP Unit-2	85			
3	Siddhirgonj 210 MW TPP	115			
Total		300	Total		0
Total Unavailable Capacity			300		

Event Summary

Outage Time	Restoration Time	Description of Event	Description of Event
08:28		Bogura-Rahanpur 400kV Ckt-2 is restored.	
08:28		Bogura-Rahanpur 400kV Ckt-2 is restored.	
08:29		Mongla 132/33kV S/S T-2 HT is restored.	
08:29		Mongla 132/33kV S/S T-2 LT is restored.	
08:44		Rampur 230/132/33 S/S TR 02 (417T) HT is restored.	
08:50		Rampur 230/132/33 S/S TR 02 (417T) LT is restored.	
08:57	09:43	Ghorasal-Tongi 230kV Ckt-1 Scheduled S/D from Tongi 230/132/33kV end.	



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09:04	18:07	Feni 230/132kV S/S ATR-1 LT Project Work S/D Due to testing and painting work by project	
09:05	18:07	Feni 230/132kV S/S ATR-1 HT Project Work S/D Due to testing And painting work by project	
09:20	18:14	Ishurdi 230/132kV S/S 230 kV Bus 1 Project Work S/D Due to Loop jumper connecting new bay with busbar.	
	10:09	Maniknagar-Narinda 132kV Ckt-1 is restored.	
10:12		BSRM 230/33kV S/S 230/33 kV Transformer-3 (125/140 MVA) LT Scheduled S/D Due to Maintenance	
10:25	13:05	Cumilla(N)-Meghnaghat 230 kV Ckt-2 Project Work S/D from Meghnaghat 230/132kV end Due to Project Work	
10:29	20:16	Baghabari-Roppur 230kV Ckt-1 Project Work S/D from Baghabari 230/132kV end Due to DFDR commissioning work	
10:49		Baghabari 230/132kV S/S Bus-2 Project Work S/D Due to DFDR commissioning work	
	13:02	Amtali 400/132kV S/S Amtali - RNPL 400 kV Ckt - 2 is restored.	
13:35		Cumilla(N)-Meghnaghat 230 kV Ckt-1 Project Work S/D from Meghnaghat 230/132kV end Due to Project Work	
13:39	20:17	Sreepur 230/132/33kV S/S 132/33 kV T-1 LT Project Work S/D Due to PTR-2 Load Test	
13:39	20:16	Sreepur 230/132/33kV S/S 132/33 kV T-1 HT Project Work S/D Due to PTR-2 Load Test	
14:02	14:33	Kushtia 132/33kV S/S T-3 HT Tripped showing R,Y,B Trip, Diff Trip, 87N Trip relays Due to ৩৩ কেভি আর-ফেইজ পিটি সাইডে সাপের দ্বারা শর্ট সার্কিট	41.0MW load interrupt.
14:02	14:34	Kushtia 132/33kV S/S T-3 LT Tripped showing No relay operated relays Due to ৩৩ কেভি আর-ফেইজ পিটি সাইডে সাপের দ্বারা শর্ট সার্কিট	41.0MW load interrupt.
14:20	15:18	Brahmanbaria-Shahjibazar 132 kV Ckt-2 Tripped from Brahmanbaria 132/33kV end showing Distance relays. and from Shahjibazar 132/33kV end showing Distance Realy relays Due to Stormy Weather	
14:42	16:58	Khulna (C) S/S TR-1 425T LT Scheduled S/D Due to South circuit 2 Hot spot maintenance.	20.0MW load interrupt.
14:43	16:58	Khulna (C) S/S TR-1 425T HT Scheduled S/D Due to South circuit 2 hotspot maintenance.	20.0MW load interrupt.
14:45	17:07	Khulna (C) S/S North- West Ckt-2 Scheduled S/D Due to South circuit 2 Hot spot maintenance	
14:45	17:07	Khulna (C) S/S North-WestCkt-1 Scheduled S/D Due to South circuit 2 Hot spot maintenance	
15:34	16:55	Khulna(C) J-Khulna (S) 132kV Ckt-1 Scheduled S/D from Khulna(S) 230/132kV end Due to MAINTENANCE WORK AT KHULNA CENTRAL S/S END. and from Khulna (C) end Due to South circuit 2 Hot spot maintenance	
18:57		Maniknagar-Siddhirganj 230kV Ckt-2 Tripped from Maniknagar 230/132kV end showing Different relay, Distance relay relays Due to OPGW Cable failure under siddhirganj Grid. and from Siddhirganj 230/132kV end showing Main-1 relays Due to Trip	
19:30		Evening Peak Generation is 13749 MW.	
21:30	21:57	Feni 132/33kV S/S T-1(405T) LT Tripped showing annunciator : MCB 1 tripSiprotec s7j82: a, b, c phase. neutral & 50 trip relays Due to Sultanpur 33kv feeder fault	
06:00		Minimum Generation: 11043 MW.	
06:36		Kachua 230/132/33kV S/S TR-2 LT Scheduled S/D Due to Red Hot Maintenance of 33kv Shahrasti feeder	
06:36		Kachua 230/132/33kV S/S TR-2 HT Scheduled S/D Due to Red Hot Maintenance for 33kv shahrasti feeder .	
07:03		Nawabganj 132/33kV S/S TR-1 LT Forced S/D Due to 33kV Nawabganj pbs feeder DS red hot maintenance.	18.0MW load interrupt.
07:05		Nawabganj 132/33kV S/S TR-1 HT Forced S/D Due to 33kV Nawabganj pbs feeder DS red hot maintenance.	18.0MW load interrupt.

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division