



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

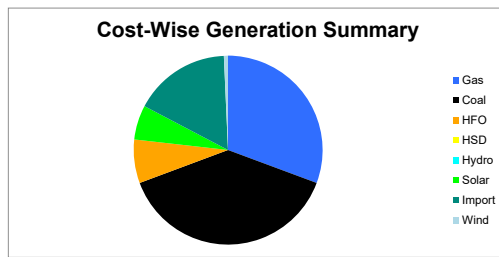
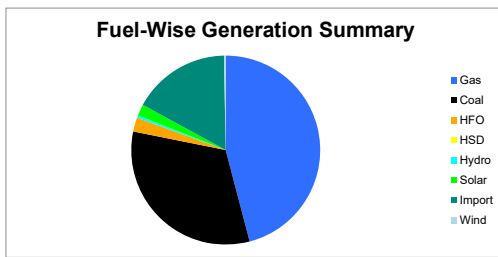
Date : 06-02-2020

Power Supply Scenario

Day Peak Generation	10859.35	MW	12:00 Hr.	Energy Generated	233.14071	MKWHr.
Day Peak Demand	10859.35	MW	12:00 Hr.	Energy Unserviced	0.00000	MKWHr.
Evening Peak Generation	10669.52	MW	19:00 Hr.	Energy Demand	233.14071	MKWHr.
Evening Peak Demand	10669.52	MW	19:00 Hr.	Maximum Temperature	26.70	°C
Minimum Generation of the Day	8086	MW	05:00 Hr.	Total Gas Supplied	785.72	MMCFD
Maximum Generation of the Day	11451.84	MW	13:00 Hr.	Production Cost per KWHr	5.33220	Tk.

Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	28.52	0.00	2.21	0.00	0.00	0.17	0.00	0.00	30.90
Chattogram Zone	2.56	36.72	0.74	0.00	0.96	0.16	0.00	0.60	41.74
Cumilla Zone	25.29	0.00	0.94	0.00	0.00	0.49	2.45	0.00	29.18
Mymensingh Zone	3.06	0.00	1.19	0.00	0.00	0.31	0.00	0.00	4.56
Sylhet Zone	17.23	0.00	0.00	0.00	0.00	0.07	0.00	0.00	17.31
Khulna Zone	8.65	11.42	0.02	0.00	0.00	0.59	21.70	0.00	42.38
Barishal Zone	8.25	26.94	0.00	0.00	0.00	0.00	0.00	0.00	35.19
Rajshahi Zone	13.57	0.00	0.13	0.00	0.00	1.51	14.97	0.00	30.18
Rangpur Zone	0.00	0.00	0.41	0.00	0.00	1.30	0.00	0.00	1.71
Total	107.12	75.08	5.63	0.00	0.96	4.62	39.12	0.60	233.14



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	381367834.6	Hydro	96400
Coal	480615292.9	Solar	73370813.01
HFO	92937914.81	Import	206009137.8
HSD	0	Wind	8755392
Total:	124,31,62,785		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	21.702545	Peak Hr Flow	898.00 MW at 19:00 hrs.
Energy Flow from West to East:	KWHr:	33391346.72	Import through Adami C/B Interconnector:	MKWHr:	14.967829	Peak Hr Flow	764.12 MW at 19:00 hrs.
Flow during Peak Demand (W-E):	MW:	1592	Import through Cumilla C/B Interconnector:	MKWHr:	2.4528	Peak Hr Flow	108.00 MW at 19:00 hrs.
Maximum Power Flow (W-E):	MW:	1987	Total Import through C/B Interconnector:	MKWHr:	39.123174	Peak Hr Flow	1770.12 MW at 19:00 hrs.

Zone-wise Load-shed and Demand Summary (MW) at evening peak Hour (19:00 Hr.)

Zone	Load-Shed	Demand
Dhaka	0	3689
Chattogram	0	1133
Cumilla	0	913
Mymensingh	0	971
Sylhet	0	391
Khulna	0	1194
Barishal	0	294
Rajshahi	0	1030
Rangpur	0	765
Total	0	10380

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
08:20	11:48	Shahjibazar 132/33kV S/S TR-04 LT Scheduled S/D Due to Shutdown taken by PDB for Maintenance work.	
08:20	11:38	Shahjibazar 132/33kV S/S TR-04 HT Scheduled S/D Due to Shutdown taken by PDB for Maintenance work.	
08:28	14:02	Khulna(C)-Noapara 132kV Ckt-1 Scheduled S/D from Khulna (C) end Due to South-1, DS Clamp Change.	
08:28	14:03	Khulna(C)-Noapara 132kV Ckt-2 Scheduled S/D from Khulna (C) end Due to South-1, DS Clamp Change.	
08:30	13:59	Khulna (C) S/S TR-1 425T LT Scheduled S/D Due to South-1, DS Clamp Change.	



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08:30	13:58	Khulna (C) S/S TR-1 425T HT Scheduled S/D Due to South-1, DS Clamp Change.	
08:37	12:05	Barishal 230/132kV S/S T-4 LT Scheduled S/D Due to 33 kV Bus DS maintenance	
08:39	12:02	Barishal 230/132kV S/S T-4 HT Scheduled S/D Due to 33 kV Bus DS maintenance	
08:42	13:52	Khulna (C) S/S Bus Coupler Scheduled S/D Due to South-1, DS clamp change .	
08:43	09:56	Purbasadipur 132/33kV S/S T-4 Transformer HT Scheduled S/D	35.0MW load interrupt.
08:43	09:56	Purbasadipur 132/33kV S/S T-4 Transformer LT Scheduled S/D	35.0MW load interrupt.
08:43	09:56	Purbasadipur 132/33kV S/S T-4 Transformer LT Scheduled S/D	35.0MW load interrupt.
08:45	14:05	Khulna (C) S/S North-WestCkt-1 Scheduled S/D Due to South-1, DS Clamp Change.	
08:45	14:06	Khulna (C) S/S North- West Ckt-2 Scheduled S/D Due to South-1, DS Clamp Change.	
08:57	13:34	Khulna(C)-Khulna (S) 132kV Ckt-1 Scheduled S/D from Khulna (C) end Due to South-1, DS Clamp Change. and from Khulna(S) 230/132kVend.	
09:07	13:35	Khulna(C)-Khulna (S) 132kV Ckt-2 Scheduled S/D from Khulna (C) end Due to South-1, DS Clamp Change.	
09:11	10:34	Kulaura 132/33kV S/S TR-1 AB HT Scheduled S/D Due to TR-1 (B) Underground Cable Termination Kit maintenance.	
09:11	10:36	Kulaura 132/33kV S/S TR-1 AB LT Scheduled S/D Due to TR-1 (B) Underground Cable Termination Kit maintenance	
09:46	10:32	Kalurghat 132/33kV S/S TRFO-02(516T) HT Forced S/D Due to Transporting T-1 under T-2 LT cable	10.0MW load interrupt.
10:49		Mirsorai 230/33kV S/S TR-2, 728T LT Project Work S/D Due to bus coupling	
11:14		Mirsorai 230/33kV S/S TR-2, 728T HT Project Work S/D Due to Bus Coupling	
11:48		Mirsorai 230/33kV S/S 150 MW Power Station -01 Project Work S/D Due to bus coupling	
16:00	16:29	Kabirpur - Manikganj 132kV Ckt-1 Tripped from Manikganj 132/33kV end showing Zone-1 relays Due to General Trip Kabirpur end	46.0MW load interrupt. Manikganj 132/33kV end
17:19		Purbasadipur-Thakurgaon-EPV 132kV Ckt-2 is restored.	
19:46		Ashuganj 450 MW CCPP(South) Synchronized with remarks:- GT	
22:24		Ashuganj 420 MW CCPP (East) ST was forced shutdown due to gas shortage and Ashuganj (South) CCPP test purpose	
23:08		Ashuganj 420 MW CCPP (East) GT was forced shutdown due to gas shortage and Ashuganj (South) CCPP test purpose	
04:11		Ashuganj 450 MW CCPP(South) Synchronized with remarks:- GT	
05:00		Minimum Generation: 7571 MW.	
05:43	07:10	Rampura-Ullon-2 132kV Ckt-2 Tripped from Rampura 230/132kV end showing Distance Protection 21/2Z1AN relays Due to Tripped by Distance Relay	
07:14		Motijheel-Bangabhaban 132 kV ckt-1 tripped as a monkey fell on the transformer in Bangabhaban showing intertrip in Motijheel end. Bangabhaban's load was shifted to New Romna (DPDC 33/11 kV ss) source immediety	
07:44		Niamatpur 132/33kV S/S Transformer-2 (417T) HT Forced S/D Due to PBS T-2, 33kV Busbar Maintenance	43.0MW load interrupt.
07:44		Niamatpur 132/33kV S/S Transformer-2 (417T) LT Forced S/D Due to PBS T-2, 33kV Busbar Maintenance	43.0MW load interrupt.

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division