



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

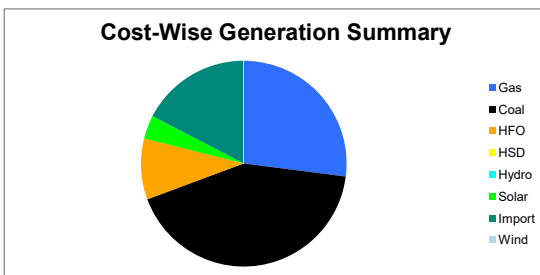
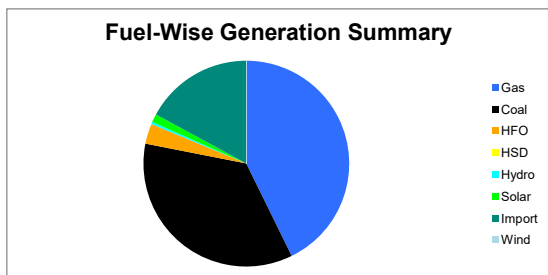
Date : 06-07-2020

Power Supply Scenario

Day Peak Generation	13260.94	MW	12:00 Hr.	Energy Generated	295.99500	MKWHr.
Day Peak Demand	13291.94	MW	12:00 Hr.	Energy Unserviced	0.70200	MKWHr.
Evening Peak Generation	11938	MW	21:00 Hr.	Energy Demand	296.69700	MKWHr.
Evening Peak Demand	11938	MW	21:00 Hr.	Maximum Temperature	33.50	°C
Minimum Generation of the Day	11170	MW	19:00 Hr.	Total Gas Supplied	903.66	MMCFD
Maximum Generation of the Day	13335.15	MW	00:00 Hr.	Production Cost per KWHr	5.52840	Tk.

Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	35.13	0.00	5.80	0.00	0.00	0.21	0.00	0.00	41.15
Chattogram Zone	5.73	46.53	0.96	0.00	1.01	0.16	0.00	0.02	54.42
Cumilla Zone	29.58	0.00	0.20	0.00	0.00	0.47	2.73	0.00	32.98
Mymensingh Zone	0.15	0.00	1.59	0.00	0.00	0.29	0.00	0.00	2.03
Sylhet Zone	27.14	0.00	0.00	0.00	0.00	0.06	0.00	0.00	27.20
Khulna Zone	3.49	21.26	0.00	0.00	0.00	0.68	22.53	0.00	47.96
Barishal Zone	8.27	36.92	0.00	0.00	0.00	0.00	0.00	0.00	45.19
Rajshahi Zone	16.99	0.00	0.00	0.00	0.00	1.31	25.21	0.00	43.51
Rangpur Zone	0.00	0.00	0.86	0.00	0.00	0.71	0.00	0.00	1.56
Total	126.48	104.70	9.42	0.00	1.01	3.89	50.47	0.02	295.99



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	441954249.3	Hydro	101280
Coal	693036279.2	Solar	61041702.88
HFO	156354354.2	Import	283522689
HSD	0	Wind	367161.6
Total:	163,63,77,716		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	22.533091	Peak Hr Flow	931.00 MW at 21:00 hrs.
Energy Flow from West to East:	KWHr:	46735509.09	Import through Adani C/B Interconnector:	MKWHr:	25.211435	Peak Hr Flow	1069.00 MW at 21:00 hrs.
Flow during Peak Demand (W-E):	MW:	1755	Import through Cumilla C/B Interconnector:	MKWHr:	2.72832	Peak Hr Flow	116.00 MW at 21:00 hrs.
Maximum Power Flow (W-E):	MW:	2830	Total Import through C/B Interconnector:	MKWHr:	50.472846	Peak Hr Flow	2116.00 MW at 21:00 hrs.

Zone-wise Load-shed and Demand Summary (MW) at evening peak Hour (21:00 Hr.)

Zone	Load-Shed	Demand
Dhaka	0	4457
Chattogram	0	1540
Cumilla	0	877
Mymensingh	0	797
Sylhet	0	341
Khulna	0	1425
Barishal	0	419
Rajshahi	0	1091
Rangpur	0	696
Total	0	11643

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
08:25	18:34	Barishal-Barishal(N) 132 kV Ckt-1 Scheduled S/D from Barishal 132/33kV end Due to OPGW Upgration work of OFCN and from Barishal 230/132kV end Due to Repalace of OPGW	
09:08	09:30	Brahmanbaria 132/33kV S/S 402T LT Tripped showing O/C & E/F relays.	55.0MW load interrup.
09:13	09:58	Shahjibazar 132/33kV S/S TR-04 LT Scheduled S/D Due to S/D Taken by PBS for Red Hot maintenance.	
09:13	09:56	Shahjibazar 132/33kV S/S TR-04 HT Scheduled S/D	
	09:28	Mymensingh 132/33kV S/S Transformer-1 (404T) HT is restored.	
	09:28	Khulna (C) S/S TR-1 425T HT is restored.	
	09:29	Khulna (C) S/S TR-1 425T LT is restored.	
	09:30	Mymensingh 132/33kV S/S Transformer-1 (404T) LT is restored.	
	10:10	Barapukuria-Rangpur 132 kV Ckt-1 is restored.	
10:25	12:30	Bheramara-GK 132kV Ckt-2 Forced S/D from Bheramara 230/132kV end Due to Hotspot	
10:38	12:42	Bheramara 230/132kV S/S Bus-B (132) Forced S/D Due to Hotspot in Bus DS	
10:40	15:03	Bhandaria 132/33kV S/S Transformer-1 LT Scheduled S/D Due to Shutdown for 33 kv Bus PT change given by Pirojpur PBS	10.0MW load interrup.
10:40	15:03	Bhandaria 132/33kV S/S Transformer-1 HT Scheduled S/D Due to Shutdown for 33 kv Bus PT change given by Pirojpur PBS	10.0MW load interrup.
	11:58	Daganbhuiyan 132/33kV S/S Transformer-1 HT is restored.	
12:00		Day Peak Generation: 13256 MW.	



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12:01	21:02	Baghabari-Roppur 230kV Ckt-1 Project Work S/D from Baghabari 230/132kV end Due to DFDR Commissioning.	
12:08	12:46	Purbasadiapur 230/132/33kV S/S TR-1 (H01R22) LT Tripped showing SIMENS SIPROTEC 7SJ81 Relay relays Due to Cable blast of 33 kV Khansama Feeder (PBS)	20.0MW load interrup.
12:24	12:48	Muradnagar 132/33kV S/S 132KV Transformer-01 HT Project Work S/D Due to kite remove	
13:19	14:55	Sreepur 230/132/33kV S/S 132/33 kV T-1 HT Forced S/D Due to CCCC's project measurement work	48.0MW load interrup.
15:48	20:22	Kushtia 132/33kV S/S T-3 HT Forced S/D Due to A fire incident occurred in the Y-phase control cable under the CT terminal box of the 132 kV CT of T-3 transformer.	30.0MW load interrup.
15:48	20:24	Kushtia 132/33kV S/S T-3 LT Forced S/D Due to A fire incident occurred in the Y-phase control cable under the CT terminal box of the 132 kV CT of T-3 transformer.	35.0MW load interrup.
15:57	17:43	Lalmonirhat 132/33kV S/S T-2 (415T) HT Project Work S/D Due to 132Kv circuit breaker replace work	
15:57	17:43	Lalmonirhat 132/33kV S/S T-2 (415T) LT Project Work S/D Due to 132kv Circuit Breaker Replace work	
17:20		Kushtia 132/33kV S/S T-1 HT Forced S/D Due to Due to burning of the closing coil of the 33 kV circuit breaker and the closing relay of the 33 kV relay and control panel, the circuit breaker could not be operated.	16.0MW load interrup.
17:20		Kushtia 132/33kV S/S T-1 LT Forced S/D	22.0MW load interrup.
	17:53	Cumilla(S) 132/33kV S/S TR-2 LT is restored.	
	17:53	Cumilla(S) 132/33kV S/S TR-2 HT is restored.	
	18:10	Bogura 400/230kV S/S 400 KV Reactor (125 MVAR) is restored.	
	18:13	Barapukuria-Bogura 230 kV Ckt-1 is restored.	
18:27		Chandina 132/33kV S/S TR-2 LT Tripped showing F51, 86L-1&2 relays Due to Diff Trip	17.0MW load interrup.
18:27		Chandina 132/33kV S/S TR-2 HT Tripped showing F87T2, 86L1&2 relays Due to Differential Trip	17.0MW load interrup.
18:28	18:36	Brahmanbaria-Shahjibazar 132 kV Ckt-2 Tripped from Shahjibazar 132/33kV end showing Distance relay relays Due to Stormy weather	
20:20	22:57	Bhangura 132/33kV S/S Tr-2(413T) LT Forced S/D Due to Ct y phase redhot	15.0MW load interrup.
20:20	22:57	Bhangura 132/33kV S/S Tr-2(413T) HT Forced S/D Due to Redhot	15.0MW load interrup.
21:00		Evening Peak Generation is 11938 MW.	
22:27	23:58	Daganbhuiyan 132/33kV S/S Transformer-1 LT Forced S/D Due to 33 kv bus red hot maintenance	10.0MW load interrup.
22:40	23:58	Daganbhuiyan 132/33kV S/S Transformer-1 HT Forced S/D Due to 33 kv bus red hot maintenance	10.0MW load interrup.
05:00		Minimum Generation is 10508 MW.	
05:23	06:39	Magura 132/33kV S/S T-2 (415T) LT Tripped showing Oil temp. Tripping relays Due to Differential prot.-1	
05:23	06:36	Magura 132/33kV S/S T-2 (415T) HT Tripped showing Oli temp. Tripping relays Due to Differential protection-1	
07:20		Khulna(C)-Noapara 132kV Ckt-2 Project Work S/D from Khulna (C) end Due to Project work. and from Noapara 132/33kV end Due to According to ALDC's instructions.	
07:41		Barishal-Barishal(N) 132 kV Ckt-1 Project Work S/D from Barishal 230/132kV end Due to OPGW Replament work and from Barishal 132/33kV end Due to Optical Fiber upgraded work.	
07:50		Barapukuria-Bogura 230 kV Ckt-1 Project Work S/D from Bogura 400/230kV end Due to Project work (Conductor Stringing).As per ALDCs instruction. and from Barapukuria 230/132/33kV end Due to project work	
07:51		Barapukuria-Bogura 230 kV Ckt-1 Scheduled S/D from Barapukuria 230/132/33kV end Due to project work	

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division