



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

Date : 11-Ub-2020

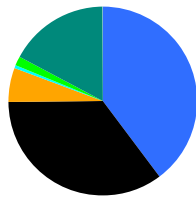
Power Supply Scenario

Day Peak Generation	13848.62	MW	12:00 Hr.	Energy Generated	313.17531	MKWHr.
Day Peak Demand	13879.62	MW	12:00 Hr.	Energy Unserverd	0.89100	MKWHr.
Evening Peak Generation	14611	MW	19:30 Hr.	Energy Demand	314.06631	MKWHr.
Evening Peak Demand	14750	MW	19:30 Hr.	Maximum Temperature	32.90	°C
Minimum Generation of the Day	11332.09	MW	05:00 Hr.	Total Gas Supplied	914.50	MMCFD
Maximum Generation of the Day	14611	MW	19:30 Hr.	Production Cost per KWHr	5.92536	Tk.

Zone-wise Generation Summary (MKWHr.)

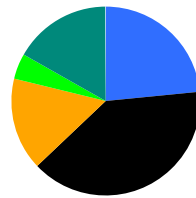
	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	34.39	0.00	8.95	0.00	0.00	0.21	0.00	0.00	43.55
Chattogram Zone	3.78	46.65	3.06	0.00	1.56	0.10	0.00	0.12	55.28
Cumilla Zone	31.48	0.00	2.27	0.00	0.00	0.32	3.12	0.00	37.18
Mymensingh Zone	0.00	0.00	2.30	0.00	0.00	0.34	0.00	0.00	2.65
Sylhet Zone	25.97	0.00	0.00	0.00	0.00	0.08	0.00	0.00	26.06
Khulna Zone	4.90	24.19	0.00	0.00	0.00	0.71	21.81	0.00	51.61
Barishal Zone	8.21	37.96	0.05	0.00	0.00	0.00	0.00	0.00	46.22
Rajshahi Zone	15.81	0.00	0.29	0.00	0.00	1.38	28.90	0.00	46.38
Rangpur Zone	0.00	1.16	1.34	0.00	0.00	1.75	0.00	0.00	4.25
Total	124.53	109.97	18.26	0.00	1.56	4.90	53.83	0.12	313.18

Fuel-Wise Generation Summary



■ Gas
■ Coal
■ HFO
■ HSD
■ Hydro
■ Solar
■ Import
■ Wind

Cost-Wise Generation Summary



■ Gas
■ Coal
■ HFO
■ HSD
■ Hydro
■ Solar
■ Import
■ Wind

Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	434665329.4	Hydro	156402
Coal	732757457.7	Solar	80597530.78
HFO	295664854.2	Import	310011926.6
HSD	0	Wind	1821686.4
Total:	185,56,75,187		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	21.811636	Peak Hr Flow	908.00 MW at 19:30 hrs.
Energy Flow from West to East:	KWHr:	47820909.09	Import through Adani C/B Interconnector:	MKWHr:	28.9042293	Peak Hr Flow	1286.00 MW at 19:30 hrs.
Flow during Peak Demand (W-E):	MW:	1836	Import through Cumilla C/B Interconnector:	MKWHr:	3.1152	Peak Hr Flow	152.00 MW at 19:30 hrs.
Maximum Power Flow (W-E):	MW:	2710	Total Import through C/B Interconnector:	MKWHr:	53.8310653	Peak Hr Flow	2346.00 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	9	5233
Chattogram	16	1462
Cumilla	0	1300
Mymensingh	108	1002
Sylhet	0	537
Khulna	0	1729
Barishal	0	430
Rajshahi	0	1515
Rangpur	0	1003
Total	133	14211

Status of unavailable Power Plant

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

Event Summary

Outage Time	Restoration Time	Description of Event	Description of Event
09:12	11:12	Benapole 132/33kV S/S Transformer-1(406T) LT Forced S/D Due to Red Hot Maintenance at R phase Source side	
09:12	18:09	Barishal-Barishal(N) 132 kV Ckt-1 Scheduled S/D from Barishal 132/33kV end Due to for OPGW Upgradation work by OFCN and from Barishal 230/132kVend.	
09:13	11:11	Benapole 132/33kV S/S Transformer-1(406T) HT Forced S/D Due to Red Hot Maintenance at R phase Source side	
09:15	19:34	Ishurdi 230/132kV S/S 230 kV Bus 2 Project Work S/D	
	09:31	Purbasadipur 230/132/33kV S/S TR-1 (H01R22) HT is restored.	



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09:33	Purbasadipur 230/132/33kV S/S TR-1 (H01R22) LT is restored.	
09:40	Chandpur 132/33kV S/S 422T(T-5) HT Scheduled S/D Due to Transformer Colouring	
09:40	Chandpur 132/33kV S/S 422T(T-5) LT Scheduled S/D Due to Transformer Colouring	
09:55	21:01 Baghabari 230/132kV S/S T-2 Bank HT Project Work S/D Due to DFDR commissioning	
10:36	Jhenaidah 132/33kV S/S Jhenaidah-Kushtia 132kV Circuit-2(L2) Scheduled S/D Due to 132kV Jhenaidah-Kushtia CKT-2 Distance Relay Changing work.	
10:37	Jhenaidah-Kushtia 132kV Ckt-2 Forced S/D from Kushtia 132/33kV end Due to For changing Distance Relay.	
11:16	17:40 Meghnaghat 400/230kV S/S Meghnaghat-Summit PP 400KV Ckt-1 Scheduled S/D Due to For maintenance work.	
12:00	Day Peak Generation: 13844 MW.	
14:25	15:18 Hasnabad 132/33kV S/S Fatulla (Pre-Brahmogaon) Tripped showing Distance trip zone-1 relays Due to Unknown	70.0MW load interrup.
15:03	15:31 Barapukuria 230/132/33kV S/S 132/33 KV T-3, 404T LT Scheduled S/D Due to TRTUD Bogura work	
15:05	15:30 Barapukuria 230/132/33kV S/S 132/33 KV T-3, 404T HT Scheduled S/D Due to TRTUD Bogura work	
16:36	17:51 Barapukuria 230/132/33kV S/S 132/33 KV T-5, 424T LT Forced S/D Due to IED Device change work	
16:36	17:49 Barapukuria 230/132/33kV S/S 132/33 KV T-5, 424T HT Forced S/D Due to IED Device change work	
17:07	17:14 Brahmanbaria-Shahjibazar 132 kV Ckt-1 Tripped from Shahjibazar 132/33kV end showing Distance Relay relays Due to Non	
19:02	Bogura 400/230kV S/S 400 KV Reactor (125 MVAR) Forced S/D	
19:13	Sylhet (South) S/S Sylhet (S)-Bijanibazar 132KV Ckt-2 is restored.	
19:30	Evening Peak Generation is 14611 MW.	
02:48	Amtali 400/132kV S/S Amtali - RNPL 400 kV Ckt - 2 Forced S/D Due to Blue Phase DS Red hot.	
06:00	Minimum Generation is 11527 MW.	
06:51	Kallyanpur-Labag 132kV Ckt-2 Scheduled S/D from Kallyanpur 132/33kV end Due to Aminbazar Ckt-2 Reserve Bus Isolator Finger Maintenance Work	
06:51	Kallyanpur-Labag 132kV Ckt-1 Scheduled S/D from Kallyanpur 132/33kV end Due to Reserve Bus Isolator Finger Maintenance Work	
07:07	Kallyanpur 132/33kV S/S Main bus Scheduled S/D Due to Aminbazar Ckt-2 Reserve Bus Isolator Finger Maintenance Work	
07:11	Aminbazar-Kallyanpur 132kV Ckt-2 Scheduled S/D from Kallyanpur 132/33kV end Due to Reserve Bus Isolator Finger Maintenance Work	
07:13	Jamalpur-Mymensingh 132kV Ckt-2 Project Work S/D from Jamalpur 132/33kV end Due to T3 DS Upgradation and from Mymensingh 132/33kVend.	
07:20	Jamalpur 132/33kV S/S Bus-B Project Work S/D Due to T3 DS Upgradation	
07:31	Barishal-Barishal(N) 132 kV Ckt-1 Scheduled S/D from Barishal 132/33kV end Due to OPGW Upgradation work done by OFCN and from Barishal 230/132kV end Due to Replace of OPGW	

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division