



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

Date : 27-12-2020

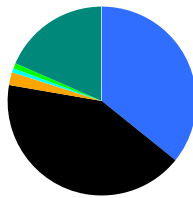
Power Supply Scenario

Day Peak Generation	8992.09	MW	12:00 Hr.	Energy Generated	210.15416	MKWHr.
Day Peak Demand	8992.09	MW	12:00 Hr.	Energy Unservd	0.00000	MKWHr.
Evening Peak Generation	10803	MW	19:00 Hr.	Energy Demand	210.15416	MKWHr.
Evening Peak Demand	10803	MW	19:00 Hr.	Maximum Temperature	23.00	°C
Minimum Generation of the Day	6605	MW	04:00 Hr.	Total Gas Supplied	607.09	MMCFD
Maximum Generation of the Day	10803	MW	19:00 Hr.	Production Cost per KWHr	5.72817	Tk.

Zone-wise Generation Summary (MKWHr.)

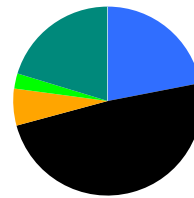
	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	24.27	0.00	1.76	0.00	0.00	0.00	0.00	0.00	26.03
Chattogram Zone	1.80	34.44	0.52	0.00	1.45	0.11	0.00	0.00	38.31
Cumilla Zone	21.40	0.00	0.59	0.00	0.00	0.23	1.78	0.00	24.01
Mymensingh Zone	1.56	0.00	1.19	0.00	0.00	0.19	0.00	0.00	2.95
Sylhet Zone	13.09	0.00	0.00	0.00	0.00	0.05	0.00	0.00	13.14
Khulna Zone	0.00	22.68	0.00	0.00	0.00	0.24	9.57	0.00	32.49
Barishal Zone	8.01	29.89	0.00	0.00	0.00	0.00	0.00	0.00	37.90
Rajshahi Zone	5.04	0.00	0.04	0.00	0.00	0.72	27.33	0.00	33.13
Rangpur Zone	0.00	1.22	0.51	0.00	0.00	0.46	0.00	0.00	2.19
Total	75.18	88.23	4.60	0.00	1.45	2.02	38.68	0.00	210.15

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	264064525.9	Hydro	144636
Coal	588123194.8	Solar	31101895.21
HFO	76018276.27	Import	244345932.8
HSD	0	Wind	0
Total:	120,37,98,461	Tk.	

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	9.569454	Peak Hr Flow	22.00 MW at 19:00 hrs
Energy Flow from West to East:	KWHr:	35139454.55	Import through Adani C/B Interconnector:	MKWHr:	27.325653	Peak Hr Flow	450.00 MW at 19:00 hrs
Flow during Peak Demand (W-E):	MW:	1987	Import through Cumilla C/B Interconnector:	MKWHr:	1.78368	Peak Hr Flow	96.00 MW at 19:00 hrs.
Maximum Power Flow (W-E):	MW:	2165	Total Import through C/B Interconnector:	MKWHr:	38.678787	Peak Hr Flow	968.00 MW at 19:00 hr.

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

Zone	Load-Shed	Demand
Dhaka	0	3839
Chattogram	0	1175
Cumilla	0	916
Mymensingh	0	861
Sylhet	0	391
Khulna	0	1231
Barishal	0	314
Rajshahi	0	993
Rangpur	0	732
Total	0	10452

Status of unavailable Power Plant

Planned S/D			Forced S/D		
SI	Plant Name	Capacity	SI	Plant Name	Capacity
1	Rangpur 20 MW GTPP	20	1	Bheramara 410 MW CCPP GT	278
2	Baghabari 100 MW GTPP	100	2	Bheramara 410 MW CCPP ST	132
3	Barapukuria TPP Unit-2	85			
4	Siddhirgonj 210 MW TPP	115			
Total		320	Total		410
Total Unavailable Capacity			730		

Event Summary

Outage Time	Restoration Time	Description of Event	Description of Event
08:21	11:44	Bogura(New)-Naogaon 132 kV Ckt-2 Project Work S/D from Bogura 230/132kV end Due to Naogaon 132kv Main Bus S/D	
08:21	11:50	Naogaon 132/33kV S/S Main Bus Scheduled S/D Due to 132kV Main BUS Loop change Maintenance	
08:25	11:51	Naogaon 132/33kV S/S Nao-SPPP Ckt-1 Scheduled S/D Due to 132kV Main BUS Loop change Maintenance	
08:28	16:21	Shahjibazar-Sreemangal 132kV Ckt-2 Scheduled S/D from Shahjibazar 132/33kV end Due to Annual Maintenance. and from Sreemongol 132/33kV end Due to Annual Maintenance	



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Date :	27-12-2020		
08:28	15:42	Chowmuhani-Ramganj 132 kV Ckt-1 Scheduled S/D from Chowmuhani 132/33kV end Due to Annual Maintenance.	
08:30	11:45	Chowmuhani-Feni 132 kV Ckt-2 Scheduled S/D from Chowmuhani 132/33kV end Due to Annual Maintenance. and from Daganbhuiyan 132/33kV end Due to Shutdown taken by Chowmuhani S/S for Main Bus maintenance purpose	10.0MW load interrupt. Chowmuhani 132/33kV end and 10.0MW load interrupt. Daganbhuiyan 132/33kV end
08:33	13:28	Shariatpur 132/33kV S/S T1-406T LT Scheduled S/D Due to Maintenance works by PBS	27.0MW load interrupt.
08:34	13:22	Shariatpur 132/33kV S/S T1-406T HT Scheduled S/D Due to Maintenance works by PBS	27.0MW load interrupt.
08:39	14:55	Rajbari 132/33kV S/S Faridpur -1 Scheduled S/D Due to Annual maintenance.	
08:39	11:49	Chowmuhani 132/33kV S/S Main Bus Scheduled S/D Due to Annual maintenance	30.0MW load interrupt.
08:40	14:55	Faridpur 132/33kV S/S 132 KV Rajbari ckt-1 Scheduled S/D Due to Annual maintenance.	
08:40	18:31	Bibiyana-Fenchuganj 230 kV Ckt-1 Scheduled S/D from Fenchuganj 230/132/33kV end Due to Deadline Checking	
08:42	16:26	Agargaon 230/132kV S/S Auxiliary Tr-2 LT Scheduled S/D Due to Annual maintenance.	
08:42	16:26	Agargaon 230/132kV S/S Auxiliary Tr-2 HT Scheduled S/D Due to Annual maintenance.	
08:43	16:25	Agargaon 230/132kV S/S 230kV Transformer-2 (715T2) LT Scheduled S/D Due to Annual maintenance.	
08:43	16:21	Agargaon 230/132kV S/S 230kV Transformer-2 (715T2) HT Scheduled S/D Due to Annual maintenance.	
08:48	15:59	Bogura-Mahasthangar (New)) 132 kV Ckt-1 Scheduled S/D from Mahasthangarh 132/33kV end Due to Annual Maintenance and from Bogura 132/33kV end Due to Annual Maintenance.	
08:52	15:21	Ashuganj-Kishoreganj 132kV Ckt-2 Project Work S/D from Ashuganj 230/132/33kV end Due to shutdown by PGCB, OFCN	
08:54	16:30	Rahanpur 400/132kV S/S Rahanpur-Niamatpur 132 KV Line Ckt-02 Scheduled S/D	
08:54	17:37	Gopalganj 400/132kV S/S 400kV Amtoli Ckt-1 Scheduled S/D	
08:54	16:34	Niamatpur 132/33kV S/S 132 kV Rahanpur Ckt-2 Scheduled S/D Due to Annual Maintenance	
08:56	12:17	Sylhet-Sylhet (South) 132KV Ckt-2 Project Work S/D from Sylhet 132/33kV end Due to EEGBPS Project work purpose.	
09:01	12:32	Meghnaghat 400/230kV S/S ATR -03 HT Forced S/D Due to ATR- 03 shutdown instructed by NLDC.	
09:07	15:36	Goalpara- Khulna (C) 132kV Ckt-2 Scheduled S/D from Goalpara 132/33kV end Due to Annual Maintenance work and from Khulna (C) end Due to For A/M	
09:11		Mogbazar 132/33kV S/S GT-1 LT Scheduled S/D	
09:11	18:42	Madanganj 132/33kV S/S GT-2 LT Scheduled S/D	
09:13	18:38	Madanganj 132/33kV S/S GT-2 HT Scheduled S/D Due to Annual Maintenance	
09:14	16:56	Baghabari-Bangura 132 kV Ckt-1 Scheduled S/D from Bhangura 132/33kV end Due to Annual Maintenance	10.0MW load interrupt. Bhangura 132/33kV end
09:16	17:20	Joypurhat 132/33kV S/S Transformer T-2 (417 T) LT Scheduled S/D Due to Annual maintenance.	
09:16	17:31	Mongla 132/33kV S/S T-2 HT Scheduled S/D Due to Yearly Mentanance	
09:16	17:31	Mongla 132/33kV S/S T-2 LT Scheduled S/D Due to Yearly Mentanance	
09:17	17:18	Joypurhat 132/33kV S/S Transformer T-2 (417 T) HT Scheduled S/D Due to Annual maintenance.	
09:19	16:40	Shikalbaha 230/132kV S/S Hathazari-02 Scheduled S/D	
09:19	16:40	Madunaghat 400/230kV S/S Madunaghat-Shikalbaha 230kV Ckt.-2 Scheduled S/D Due to Annual Maintenance	
09:21	17:37	Mymensingh RPCL-Tangail 132kV Ckt-1 Scheduled S/D from Muktagacha 132/33kV end Due to Works for RHD department.	
09:24	14:32	Maniknagar-Narinda 132kV Ckt-2 Scheduled S/D from Maniknagar 132/33kV end Due to Annual Maintenance	
09:27	16:01	Aminbazar-Kaliakoir 230kV Ckt-2 Scheduled S/D from Aminbazar 400/230/132kV end Due to	



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		Disc cleaning and Dead line check	
09:28		Magura 132/33kV S/S T-3 (425T) HT Scheduled S/D Due to Annual maintenance of T-3	
09:29	17:00	Madunaghat 400/230kV S/S Madunaghat-Meghnaghat 400kV Ckt.-1 Scheduled S/D Due to Annual Maintenance	
09:29	17:42	Satkhira 132/33kV S/S Transformer-1 (T-1) LT Scheduled S/D Due to Annual maintenance work	30.0MW load interrupt.
09:29	17:42	Satkhira 132/33kV S/S Transformer-1 (T-1) HT Scheduled S/D Due to Annual maintenance work	30.0MW load interrupt.
09:29	17:43	Satkhira 132/33kV S/S Transformer-2 (T-2) HT Scheduled S/D Due to Annual maintenance work	20.0MW load interrupt.
09:29	17:43	Satkhira 132/33kV S/S Transformer-2 (T-2) LT Scheduled S/D Due to Annual maintenance work	20.0MW load interrupt.
09:30	16:27	Bhaluka 132/33kV S/S 01. Transformer- 01 LT Scheduled S/D Due to Annual maintenance	
09:30	16:25	Bhaluka 132/33kV S/S 01. Transformer- 01 HT Scheduled S/D Due to Annual maintenance	
09:30	16:09	Jamalpur United(20MW)-Sherpur 132kV Ckt-1 Scheduled S/D from Sherpur 132/33kV end Due to Annual Maintenance	
09:31	17:41	Khulna (S)-Satkhira 132kV Ckt-1 Scheduled S/D from Satkhira 132/33kV end Due to Annual maintenance work and from Khulna(S) 230/132kVend.	
09:31	18:27	Khulna (S)-Satkhira 132kV Ckt-2 Scheduled S/D from Satkhira 132/33kV end Due to Annual maintenance work and from Khulna(S) 230/132kVend.	
09:38	16:50	Tongi 230/132/33kV S/S T-02 HT Scheduled S/D Due to Annual maintenance	
09:38	16:50	Tongi 230/132/33kV S/S T-02 LT Scheduled S/D Due to Annual maintenance	
09:46	17:48	Ashuganj-Ghorasal 132kV Ckt-1 Project Work S/D from Ashuganj 230/132/33kV end Due to shutdown by PGCB, OFCN	
09:47	16:22	Ashuganj-Kishoreganj 132kV Ckt-2 Scheduled S/D from Bajitpur 132/33kV end.	
09:48	15:54	Ramganj 132/33kV S/S Ramganj- Desh Energy Ckt-01 Scheduled S/D Due to Annual Maintenance	
09:53	17:32	Tangail 132/33kV S/S Kaliakair-2 Project Work S/D	
09:54	17:31	Mirzapur 132/33kV S/S Mirzapur-Kaliakair-ckt-2A(E08) Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	
09:54	17:31	Mirzapur 132/33kV S/S Mirzapur-Kaliakoir ckt-2B(E-09) Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	167.0MW load interrupt.
09:56	17:00	Jamalpur United (20MW)-Jamalpur 132kV Ckt-1 Scheduled S/D from Jamalpur 132/33kV end Due to Annual Maintenance work	
09:57	17:33	Mirzapur 132/33kV S/S Transformer-02(E07) LT Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	10.0MW load interrupt.
09:58	18:32	Mirzapur 132/33kV S/S Mirzapur-Tangail-ckt-2A(E04) Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	
09:58	18:32	Mirzapur 132/33kV S/S Mirzapur-Tangail-ckt-2B(E03) Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	140.0MW load interrupt.
09:58	17:38	Mirzapur 132/33kV S/S Transformer-01(E05) LT Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	18.0MW load interrupt.
09:59	17:37	Mirzapur 132/33kV S/S Transformer-01(E05) HT Project Work S/D Due to LILO condutor changing work. Stringing ACCC instead ACSR condutor.	18.0MW load interrupt.
10:08	15:59	Mymensingh RPCL-Tangail 132kV Ckt-1 Scheduled S/D from Ghatail 132/33kV end Due to Annual Maintenance	
10:08	15:59	Tangail 132/33kV S/S RPCL-1 Scheduled S/D Due to Annual Maintenance	
10:19	17:01	BIPTC S/S 400kV Bus-1 Scheduled S/D Due to Annual Maintenance	
10:24	17:23	Baghabari-Sirajganj 230 kV Ckt-1 Scheduled S/D from Baghabari 230/132kV end Due to Annual Maintenance	
	10:44	Jaldhaka 132/33kV S/S 406T-1 HT is restored.	
	10:45	Jaldhaka 132/33kV S/S 406T-1 LT is restored.	
11:09	16:30	Kodda-Rajendrapur 132kV Ckt-2 Forced S/D from Rajendrapur 132/33kV end Due to For red hot maintenance work at sreepur end. Load continued by Kodda -1 line.	
11:25	16:36	Sreepur 230/132/33kV S/S 132 kV BUS-1 Forced S/D Due to Redhot Mintenance	
	11:47	Naogaon-Niyamatpur 132kV Ckt-1 is restored.	



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11:51	Bhulta-Haripur 230 kV Ckt-1 is restored.	
12:00	Day Peak Generation: 8987 MW.	
12:15	Naogaon 132/33kV S/S T-3 HT is restored.	
12:16	Meghnaghat 400/230kV S/S ATR -03 LT is restored.	
12:17	Naogaon 132/33kV S/S T-3 LT is restored.	
12:34	Kaptai-1 was sync.	
13:49	Sikalbaha 225 MW GT was sync	
14:14	17:26 Bhandaria 132/33kV S/S Transformer-1 LT Forced S/D Due to Tan-Delta test	
14:15	17:25 Bhandaria 132/33kV S/S Transformer-1 HT Forced S/D Due to Tan-Delta test	
14:29	Naogaon 132/33kV S/S T-1 HT is restored.	
14:30	Naogaon 132/33kV S/S T-2 HT is restored.	
14:31	Naogaon 132/33kV S/S T-2 LT is restored.	
14:32	Naogaon 132/33kV S/S T-1 LT is restored.	
15:12	Ghorasal-Tongi 230kV Ckt-2 Scheduled S/D from Tongi 230/132/33kV end Due to Shutdown taken by Ghorashal end via NLDC	
15:43	Sirajgonj 225MW CCPP Unit-1 Synchronized with remarks:- GT	
15:48	Hasnabad 230/132kV S/S AUTO TR-1 HT is restored.	
15:49	Hasnabad 230/132kV S/S AUTO TR-1 LT is restored.	
17:01	BIPTC S/S 11T01 HT is restored.	
17:15	Rajendrapur 132/33kV S/S MTR-2 HT is restored.	
17:17	Rajendrapur 132/33kV S/S MTR-2 LT is restored.	
17:24	Rangpur-Rangpur Confidence(100MW) 132kV Ckt-2 is restored.	
17:29	20:01 Bhandaria 132/33kV S/S Transformer-2 LT Forced S/D Due to Tan delta test	
17:30	20:01 Bhandaria 132/33kV S/S Transformer-2 HT Forced S/D Due to Tan delta test	
17:45	17:57 Dohazari 132/33kV S/S Power Transformer -T-1 LT Tripped showing Lockout Relay K861 Trip, Lockout Relay K862 Trip.33KV (SIEMENS) Relay.132KV (SIEMENS) Relay. relays Due to Patiya 33Kv Feeder	11.0MW load interrup.
18:03	Khulna (C) S/S TR-1 425T HT is restored.	
18:04	Khulna (C) S/S TR-1 425T LT is restored.	
18:28	19:14 Khulna (C) S/S Tr-2 415 T HT Tripped showing No relay relays Due to For 33 kv PBS feeder fault	
18:28	19:14 Khulna (C) S/S TR-1 425T LT Tripped showing Over current relays Due to For 33 PBS feeder fault	14.0MW load interrup.
18:28	19:14 Khulna (C) S/S Tr-2 415 T LT Tripped showing Inst. Over current relays Due to For 33 kv PBS feeder fault	7.0MW load interrup.
19:00	Day Peak Generation: 10803 MW.	
19:55	Summit Bibiyana-2 CCPP GT was sync.	
22:26	Summit Bibiyana-2 CCPP ST was sync.	
04:32	Sirajganj unit-4 GT & ST were sync. at 04:32hr and 06:16hr respectively.	
04:32	Sirajgonj 400 MW CCPP Unit-4 Synchronized with remarks:- GT	
05:00	Minimum Generation: 7153 MW.	
05:49	Ashuganj 225 MW CCPP ST tripped at 05:49hr due to flash tank level high.	
05:49	Ashuganj CCPP 225 MW Tripped with remarks:- ST	
05:50	Ashuganj CCPP 225 MW Synchronized with remarks:- GT (False)	
05:55	Bagerhat-Bhandaria 132 kV Ckt-1 is restored.	
06:16	Sirajgonj 400 MW CCPP Unit-4 Synchronized with remarks:- ST	
06:22	Khulna (C) S/S TR-1 425T LT Project Work S/D Due to Piling work safety purpose.	4.0MW load interrup.
06:23	Khulna (C) S/S TR-1 425T HT Project Work S/D Due to Piling work safety purpose.	4.0MW load



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			interrup.
06:44	Mongla 132/33kV S/S 100MW ERBL Solar PS Project Work S/D Due to Project work		
06:46	Bagerhat-Mongla 132 kV Ckt-1 Project Work S/D from Mongla 132/33kV end Due to Project work		10.0MW load interrup. Mongla 132/33kV end
06:48	Bagerhat-Mongla 132 kV Ckt-2 Project Work S/D from Mongla 132/33kV end Due to Project		10.0MW load interrup. Mongla 132/33kV end
06:49	Bagerhat-Labanchura 132 kV Ckt-2 Scheduled S/D from Bagerhat 132/33kV end Due to Annual maintenance work		28.0MW load interrup. Bagerhat 132/33kV end
06:51	Mongla 132/33kV S/S T-2 LT Project Work S/D Due to Project work&yearly mentanance		
06:51	Mongla 132/33kV S/S T-1 LT Project Work S/D Due to Project work		10.0MW load interrup.
06:51	Mongla 132/33kV S/S T-2 HT Project Work S/D Due to Project work&yearly mentanance		
06:51	Mongla 132/33kV S/S T-1 HT Project Work S/D Due to Project Work		10.0MW load interrup.
06:53	Bagerhat 132/33kV S/S Transformer-1 (403T) HT Scheduled S/D Due to Annual maintenance work.		20.0MW load interrup.
06:53	Bagerhat 132/33kV S/S Transformer-1 (403T) LT Scheduled S/D Due to Annual maintenance work		20.0MW load interrup.
06:55	Rangpur-Rangpur Confidence(100MW) 132kV Ckt-2 Project Work S/D from Rangpur 132/33kV end Due to Re conductig		
06:55	06:55 Bagerhat-Bhandaria 132 kV Ckt-1 Forced S/D from Bhandaria 132/33kV end Due to Purpose aldc		
07:01	Bagerhat 132/33kV S/S Transformer-2 (413 T) HT Scheduled S/D Due to Annual maintenance work.		20.0MW load interrup.
07:01	Bagerhat 132/33kV S/S Transformer-2 (413 T) LT Scheduled S/D Due to Annual maintenance work		20.0MW load interrup.
07:03	Bagerhat 132/33kV S/S 132 kV BUS Scheduled S/D Due to Phase sequence change of TR-3		40.0MW load interrup.
07:03	Bagerhat-Goalpara 132 kV Ckt-1 Forced S/D from Goalpara 132/33kV end Due to Work done by bagerhat ss and from Bagerhat 132/33kV end Due to Annual maintenance work		and 36.0MW load interrup. Bagerhat 132/33kV end
07:30	Hasnabad 230/132kV S/S AUTO TR-1 HT Scheduled S/D Due to Annual maintenance		
07:30	Hasnabad 230/132kV S/S AUTO TR-1 LT Scheduled S/D Due to Annual maintenance		
07:43	Rajbari 132/33kV S/S Faridpur -1 Scheduled S/D Due to Annual maintenance		
07:44	Faridpur 132/33kV S/S 132 KV Rajbari ckt-1 Scheduled S/D Due to Annual mentenance		
07:51	Bibiyana-Fenchuganj 230 kV Ckt-1 Scheduled S/D from Fenchuganj 230/132/33kV end Due to Dead line checking		
08:00	Kachua 230/132/33kV S/S TR-2 LT Scheduled S/D Due to for annual maintenance.		
08:00	Kachua 230/132/33kV S/S TR-2 HT Scheduled S/D Due to for annual maintenance.		

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division