



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

Date : 18-12-2023

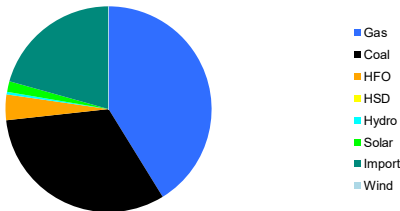
Power Supply Scenario

Day Peak Generation	10202.46	MW	12:00 Hr.	Energy Generated	230.46251	MKWHr.
Day Peak Demand	10202.46	MW	12:00 Hr.	Energy Unserviced	0.00000	MKWHr.
Evening Peak Generation	11240.06	MW	18:00 Hr.	Energy Demand	230.46251	MKWHr.
Evening Peak Demand	11240.06	MW	18:00 Hr.	Maximum Temperature	30.00	°C
Minimum Generation of the Day	7538.08	MW	05:00 Hr.	Total Gas Supplied	706.82	MMCFD
Maximum Generation of the Day	11240.06	MW	18:00 Hr.	Production Cost per KWHr	5.64370	Tk.

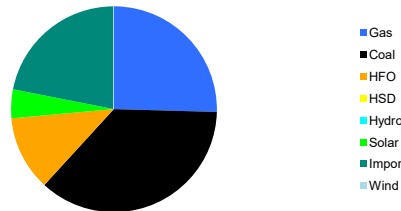
Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	27.60	0.00	4.77	0.00	0.00	0.18	0.00	0.00	32.56
Chattogram Zone	5.98	20.99	1.57	0.00	0.96	0.15	0.00	0.01	29.65
Cumilla Zone	20.86	0.00	1.36	0.00	0.00	0.45	2.43	0.00	25.10
Mymensingh Zone	3.07	0.00	1.27	0.00	0.00	0.02	0.00	0.00	4.37
Sylhet Zone	11.29	0.00	0.00	0.00	0.00	0.01	0.00	0.00	11.30
Khulna Zone	6.49	22.44	0.00	0.00	0.00	0.48	20.14	0.00	49.55
Barishal Zone	5.83	29.18	0.00	0.00	0.00	0.00	0.00	0.00	35.02
Rajshahi Zone	13.85	0.00	0.00	0.00	0.00	1.31	24.96	0.00	40.11
Rangpur Zone	0.00	1.37	0.24	0.00	0.00	1.21	0.00	0.00	2.82
Total	94.97	73.98	9.21	0.00	0.96	3.81	47.53	0.01	230.46

Fuel-Wise Generation Summary



Cost-Wise Generation Summary



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	330369082.4	Hydro	96400
Coal	474096198.2	Solar	59262051.06
HFO	152430552.3	Import	284328478.2
HSD	0	Wind	77668.8
Total:	130,06,60,431		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	20.144727	Peak Hr Flow	02.00 MW at 18:00 hrs
Energy Flow from West to East:	KWHr:	45429672.73	Import through Adani C/B Interconnector:	MKWHr:	24.958267	Peak Hr Flow	25.86 MW at 18:00 hr
Power during Peak Demand (W-E):	MW:	2808	Import through Cumilla C/B Interconnector:	MKWHr:	2.42976	Peak Hr Flow	20.00 MW at 18:00 hrs
Maximum Power Flow (W-E):	MW:	2808	Total Import through C/B Interconnector:	MKWHr:	47.532754	Peak Hr Flow	47.86 MW at 18:00 hr

Zone-wise Load-shed and Demand Summary (MW) at evening peak Hour (18:00 Hr.)

Zone	Load-Shed	Demand
Dhaka	0	4223
Chattogram	0	1177
Cumilla	0	956
Mymensingh	0	865
Sylhet	0	404
Khulna	0	1271
Barishal	0	312
Rajshahi	0	967
Rangpur	0	760
Total	0	10935

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
08:02	16:25	Barishal(N)-Madaripur 132 kV Ckt-1 Scheduled S/D from Barishal 230/132kV end Due to annual maintenance work	
08:06	16:39	Shahmirpur 132/33kV S/S 416T LT Scheduled S/D Due to Annual Maintenance of Tr-02	
08:07	16:38	Shahmirpur 132/33kV S/S 416T HT Scheduled S/D Due to Annual maintenance of Tr-02	
08:16	15:18	Khulna(C)-Khulna (S) 132kV Ckt-1 Scheduled S/D from Khulna (C) end Due to annual maintenance	
08:25	15:57	Niamatpur 132/33kV S/S 132kV Rahanpur Ckt-1 Scheduled S/D Due to Annual Maintenance	
08:26	16:56	Rahanpur 400/132kV S/S Rahanpur-Niamatpur 132 KV Line Ckt-01 Scheduled S/D	



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08:27	17:15	Chandpur 132/33kV S/S 402T (T-01) HT Scheduled S/D Due to Maintenance
08:28	15:17	Khulna(C)-Khulna (S) 132kV Ckt-1 Scheduled S/D from Khulna(S) 230/132kV end.
08:29		Bogura(New)-Naogaon 132 kV Ckt-1 Scheduled S/D from Naogaon 132/33kV end Due to Between Bogura Ckt-1 & Joypurhat ckt-2 T connect. Project work. and from Bogura 230/132kVend.
08:30	16:11	Kurigram 132/33kV S/S Capacitor Bank Scheduled S/D Due to Annual Maintenance
	08:32	Shyampur 230/132kV S/S Auto TR-1 HT is restored.
08:32	11:08	Shyampur 230/132kV S/S Aux TR-1 HT Forced S/D Due to Shutdown taken
08:33		Joypurhat 132/33kV S/S Naogaon Ckt.-2 Scheduled S/D Due to Rearrange Line in naogaon joypurhat 132KV line in tower no 01.
08:34	14:39	Bakulia-Sikalbaha 132 kV Ckt-2 Scheduled S/D from Bakulia 132/33kV end Due to Annual Maintenance
08:35	17:29	Chowmuhani 132/33kV S/S TR2-425T HT Scheduled S/D Due to Yearly Schedule Maintenance
08:35	17:29	Chowmuhani 132/33kV S/S TR2-425T LT Scheduled S/D Due to Yearly Schedule Maintenance
08:38	15:35	Mahasthangar-Palashbari 132kV Ckt-1 Scheduled S/D from Mahasthangarh 132/33kV end Due to Annual Maintenance work. and from Palashbari 132/33kV end Due to Annual Maintenance
08:45	16:04	Shahjibazar-Sreemangal 132kV Ckt-1 Scheduled S/D from Sreemongol 132/33kV end Due to Annual maintenance and from Shahjibazar 132/33kV end Due to Annual Maintenance
09:00	23:05	Bibiyana-Kaliakoir 400 kV Ckt-2 Scheduled S/D from Kaliakoir 400/230/132kV end Due to Bay annual maintenance .
09:01	16:28	Fenchuganj 230/132/33kV S/S TR-01 LT Scheduled S/D Due to Annual maintenance
09:02	16:25	Fenchuganj 230/132/33kV S/S TR-01 HT Scheduled S/D Due to Annual maintenance
09:10	16:51	Rahanpur 132/33kV S/S TR-2 (414T) HT Scheduled S/D Due to Annual Maintenance
09:10	16:51	Rahanpur 132/33kV S/S TR-2 (414T) LT Scheduled S/D Due to Annual Maintenance
09:18	14:40	Cumilla(N) 230/132/33kV S/S 230KV ATR-02 LT Scheduled S/D Due to Tandelta Test
09:18	14:40	Cumilla(N) 230/132/33kV S/S 230KV ATR-02 HT Scheduled S/D Due to Tandelta Test
09:18	16:11	Aminbazar-Manikgonj PP 132kV Ckt-1 Scheduled S/D from Aminbazar 400/230/132kV end Due to Deadline Checking work
09:23	11:08	Chauddagram 132/33kV S/S 132 kv T-1 HT Scheduled S/D Due to annual maintenance (SPMD)
09:23	11:08	Chauddagram 132/33kV S/S 132 kv T-1 LT Scheduled S/D Due to annual maintenance (SPMD)
09:24	15:47	Bhulta-Rampura 230 kV Ckt-2 Scheduled S/D from Rampura 230/132kV end Due to Annual Maintenance and from Bhulta 400/230kVend.
09:24	13:20	BIPTC S/S 10CF26 Scheduled S/D Due to Annual Maintenance.
09:25	16:58	Bogura 400/230kV S/S ATR-01 LT Scheduled S/D Due to Annual maintenance
09:26	16:58	Bogura 400/230kV S/S ATR-01 HT Scheduled S/D Due to Annual maintenance
09:32	16:18	Tongji 230/132/33kV S/S T-3 LT Scheduled S/D Due to Annual Maintenance
09:33	16:18	Tongji 230/132/33kV S/S T-3 HT Scheduled S/D Due to Annual Maintenance
09:35	15:00	Mymensingh 132/33kV S/S Bus A Scheduled S/D
09:42	14:29	Kodda 132/33kV S/S Tr-5 (446T) LT Scheduled S/D Due to Annual maintenance work
09:42	14:28	Kodda 132/33kV S/S Tr-5 (446T) HT Scheduled S/D Due to Annual maintenance work
09:46	14:00	Jashore 132/33kV S/S T-2 LT Scheduled S/D Due to Annual Maintenance
09:46	14:00	Jashore 132/33kV S/S T-2 HT Scheduled S/D Due to Annual Maintenance
09:50	15:48	Hathazari-Kaptai 132kV Ckt-2 Scheduled S/D from Hathazari 230/132/33kV end Due to Annual Maintenance (Deadline check)
10:02	15:14	Ghatail 132/33kV S/S T-2 LT Scheduled S/D Due to Due to annual maintenance work
10:03	15:13	Ghatail 132/33kV S/S T-2 HT Scheduled S/D Due to Due to annual maintenance work
10:10	00:05	BIPTC S/S Baharampur-2 Scheduled S/D Due to Shutdown is taken by baharampur end.
10:25	13:36	Meghnaghat 230/132kV S/S Bus2 Scheduled S/D Due to Red hot maintenance
10:30	13:46	Meghnaghat 400/230kV S/S 230kV BUS Section 02 Scheduled S/D Due to 230 kV Bus Section- 2 shutdown instructed by NLDC
11:09	12:50	Chauddagram 132/33kV S/S 132 kv T-2 HT Scheduled S/D Due to annual maintenance (SPMD)
11:09	12:50	Chauddagram 132/33kV S/S 132 kv T-2 LT Scheduled S/D Due to annual maintenance (SPMD)



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11:33	12:57	Juldah 132/33kV S/S 132/33 KV 406T T-1 HT Forced S/D Due to Working on 33 KV GIS	3.5MW load interrupt.
11:33	12:57	Juldah 132/33kV S/S 133/33 KV T-2 416T HT Forced S/D Due to Working on 33KV GIS	3.5MW load interrupt.
12:00		Day Peak Generation: 10199 MW.	
12:17	15:17	Kaliakoir 400/230/132kV S/S 400kV Bus 1 Scheduled S/D Due to Annual maintenance	
	14:32	Saidpur 132/33kV S/S TR-2 (404T) HT is restored.	
	14:38	Saidpur 132/33kV S/S TR-2 (404T) LT is restored.	
15:27	17:30	Mymensingh 132/33kV S/S Bus B Scheduled S/D Due to None	
	15:55	Mirpur 132/33kV S/S Reserve Bus is restored.	
16:11	16:37	Kalurghat 132/33kV S/S TRFO-01(506T) LT Tripped showing 33 KV REF-615, 132 KV RET-670RET-650 relays Due to 33 KV pdb outgoing feeder tripped due to incommer 1& 2 tripped.	30.0MW load interrupt.
	16:27	Barishal(N)-Madaripur 132 kV Ckt-1 is restored.	
18:00		Evening peak generation: 11240 MW	
18:01	19:47	Rampura-Ullon-2 132kV Ckt-1 Forced S/D from Rampura 230/132kV end Due to S/D taken by NLDC for Emergency work in Ullon ss	
	18:45	Bhulta-Ghorasal 230 kV Ckt-2 is restored.	
	19:05	Ghorasal-Tongi 230kV Ckt-1 is restored.	
	19:07	Ghorasal-Tongi 230kV Ckt-2 is restored.	
19:31		Ashuganj 450 MW CCPP(North) Synchronized with remarks:- GT	
19:47		Kalurghat 132/33kV S/S TRFO-02(516T) HT Forced S/D Due to Pdb-33 kv -3 outgoing feeder, Emergency s/d due to DS maintenance.	
	21:02	Haripur-Siddirganj 132kV Ckt-1 is restored.	
21:19		Ashuganj 450 MW CCPP(South) Shutdown with remarks:- Plant	
	21:21	Barapukuria-Rangpur 132 kV Ckt-1 is restored.	
21:32		Barapukuria-Rangpur 132 kV Ckt-2 Project Work S/D from Rangpur 132/33kV end Due to Re conducting	
03:28		Siddhirganj 335 MW CCPP was shut down due to an air-inlet filter change.	
03:53		Ashuganj 450 MW CCPP(North) Shutdown with remarks:- GT	
03:53		From NLDC: Ashuganj North CCPP GT shutdown due to maintenance purposes.	
04:00		Minimum Generation: 7651 MW.	
05:14		Ashuganj 450 MW CCPP(South) Synchronized with remarks:- GT	
07:11		Keranigonj 230/132/33kV S/S ATR-1 LT Scheduled S/D Due to Annual Maintenance Work	
07:11		Keranigonj 230/132/33kV S/S ATR-1 HT Scheduled S/D Due to Annual Maintenance work	
07:19		Khulna(C)-Noapara 132kV Ckt-1 is restored.	
07:20		Khulna(C)-Noapara 132kV Ckt-2 is restored.	
07:48		Bheramara P/S-Ishurdi 132 kV Ckt-1 Scheduled S/D from Ishurdi 132/33kV end Due to Annual Maintenance Bridge Section and from Bheramara 230/132kV end Due to Anula Maintenance	
07:48		Bheramara P/S-Ishurdi 132 kV Ckt-2 Scheduled S/D from Ishurdi 132/33kV end Due to Annual Maintenance Bridge Section and from Bheramara 230/132kV end Due to Anula Maintenance	
07:50		Jhenaidah 230/132kV S/S Transformer- 2 LT Scheduled S/D Due to Annual Maintenance.	
07:51		Jhenaidah 230/132kV S/S Transformer- 2 HT Scheduled S/D Due to Annual Maintenance.	

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division