



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

Date : 21-01-2020

Power Supply Scenario

Day Peak Generation	10710.19	MW	12:00 Hr.	Energy Generated	237.19113	MKWHr.
Day Peak Demand	11124.19	MW	12:00 Hr.	Energy Unserverd	8.56300	MKWHr.
Evening Peak Generation	10570.21	MW	19:30 Hr.	Energy Demand	245.75413	MKWHr.
Evening Peak Demand	11549.21	MW	19:30 Hr.	Maximum Temperature	27.70	°C
Minimum Generation of the Day	7915.19	MW	05:00 Hr.	Total Gas Supplied	672.61	MMCFD
Maximum Generation of the Day	10793.9	MW	13:00 Hr.	Production Cost per KWHr	7.18168	Tk.

Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	25.05	0.00	10.96	0.00	0.00	0.15	0.00	0.00	36.16
Chattogram Zone	4.97	25.79	8.15	0.00	1.01	0.15	0.00	0.40	40.46
Cumilla Zone	20.69	0.00	5.82	0.00	0.00	0.35	2.55	0.00	29.41
Mymensingh Zone	0.62	0.00	2.16	0.00	0.00	0.25	0.00	0.00	3.04
Sylhet Zone	19.07	0.00	0.00	0.00	0.00	0.05	0.00	0.00	19.12
Khulna Zone	6.67	26.91	0.41	0.00	0.00	0.45	11.39	0.00	45.83
Barishal Zone	8.56	20.87	3.14	0.00	0.00	0.00	0.00	0.00	32.57
Rajshahi Zone	4.33	0.00	2.43	0.00	0.00	1.05	18.14	0.00	25.95
Rangpur Zone	0.00	0.11	3.58	0.00	0.00	0.96	0.00	0.00	4.65
Total	89.96	73.67	36.65	0.00	1.01	3.42	32.08	0.40	237.19



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	318784110.8	Hydro	101058
Coal	486827638.2	Solar	54095362.2
HFO	641356475.3	Import	196398814.4
HSD	0	Wind	5867524.8
Total:		170,34,30,983 Tk.	

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	11.387636	Peak Hr Flow	171.00 MW at 19:30 hrs
Energy Flow from West to East:	KWHr:	36208873.47	Import through Adani C/B Interconnector:	MKWHr:	18.139377	Peak Hr Flow	763.51 MW at 19:30 hrs
Energy during Peak Demand (W-E):	MW:	1671	Import through Cumilla C/B Interconnector:	MKWHr:	2.55264	Peak Hr Flow	128.00 MW at 19:30 hrs
Maximum Power Flow (W-E):	MW:	1996	Total Import through C/B Interconnector:	MKWHr:	32.079653	Peak Hr Flow	362.51 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	300	4217
Chattogram	70	1194
Cumilla	70	985
Mymensingh	110	960
Sylhet	15	414
Khulna	160	1230
Barishal	40	304
Rajshahi	117	1042
Rangpur	55	689
Total	937	11035

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
08:17	18:40	Keraniganj-Nawabganj 132kV Ckt-2 Scheduled S/D from Nawabganj 132/33kV end Due to For Deadline Checking(Annual Maintenance) and from Keraniganj 230/132/33kV end Due to Deadline checked at both end.	
08:35		Bibiya-Kaliakoir 400 kV Ckt-2 Scheduled S/D from Kaliakoir 400/230/132kV end Due to Annual Maintenance	
08:36	17:01	Bogura-Rahanpur 400kV Ckt-2 Scheduled S/D from Rahanpur 400/132kV end Due to For annual maintenance and from Bogura 400/230kV end Due to Annual Maintenance	
08:41	17:17	Gopalganj(N)-Madaripur 132kV Ckt-3 Scheduled S/D from Madaripur 132/33kV end. and from Gopalganj 400/132kV end Due to Annual Maintenance at Madaripur SS End	



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08:41	17:17	Madaripur 132/33kV S/S Gopaganj North CKT-04 Scheduled S/D Due to Annual maintenance	
08:44	15:30	Cumilla(N)-Daudkandi 132 kV Ckt-1 Scheduled S/D from Daudkandi 132/33kV end Due to Muradnagar-1 Line shutdown for Annual Maintenance work	
08:44	17:16	Gopalganj 400/132kV S/S 132kV Madaripur Ckt-4 Scheduled S/D Due to Annual Maintenance at Madaripur SS end.	
08:45	15:29	Muradnagar 132/33kV S/S 132 KV Muradnagar- Daudkandi Ckt-01 Scheduled S/D Due to deadline check	
08:48	17:11	Cumilla(S) 132/33kV S/S Cumilla North-2 Scheduled S/D Due to Annual maintenance.	
08:59	09:20	Cumilla(S) 132/33kV S/S TR-3 LT Tripped showing REF-615 relays Due to 33 KV PDB feeder fault(Shafiq Alam)	22.0MW load interrup.
08:59	09:27	Cumilla(S) 132/33kV S/S TR-4 LT Tripped showing REF-615 relays Due to 33 KV PDB feeder fault(Shafiq Alam)	23.0MW load interrup.
09:01	17:50	Fenchuganj-Sreemangal 132kV Ckt-1 Forced S/D from Sreemongol 132/33kV end Due to Ordered by NLDC and from Fenchuganj 230/132/33kV end Due to For deadline checking.	
09:04	19:28	Ashuganj-Bhulta 400 kV Ckt-1 Scheduled S/D from Bhulta 400/230kV end.	
09:04	17:42	Muradnagar 132/33kV S/S 132 KV Muradnagar- Cumilla(N) Ckt-02 Scheduled S/D Due to Deadline check	
09:05	15:42	Moghbazar-Rampura 132kV Ckt-1 Scheduled S/D from Moghbazar 132/33kV end Due to annual maintenance	
09:05	16:49	BIPTC S/S Baharampur-2 Scheduled S/D Due to Annual Maintenance	
09:15	16:41	Mymensingh RPCL-Tangail 132kV Ckt-1 Scheduled S/D from Muktagacha 132/33kV end Due to Piling work of RHD	
09:16	14:26	Niamatpur 132/33kV S/S 132 kV Naogaon ckt-2 Project Work S/D Due to Project work	
09:22	15:42	Moghbazar-Rampura 132kV Ckt-1 Scheduled S/D from Rampura 230/132kV end Due to Order by NLDC	
09:26	19:19	Madunaghat 132/33kV S/S TR-1(507T) LT Scheduled S/D Due to Annual Maintenance	
09:26	18:46	Madunaghat 132/33kV S/S TR-1(507T) HT Scheduled S/D Due to Annual Maintenance	
09:29	17:43	Kallyanpur 132/33kV S/S GT-2 (132kV) HT Scheduled S/D	
09:29	17:44	Kallyanpur 132/33kV S/S GT-2 (132kV) LT Scheduled S/D	
09:32	17:25	Bogura-Bogura (New) 132 kV Ckt-2 Scheduled S/D from Bogura 230/132kV end Due to Relay Replacement and from Bogura 132/33kV end Due to Relay Change work of 230/132kV Sub-Station side.	
09:33	14:41	BSRM-Cumilla(N) 230 kV Ckt-1 Project Work S/D from Feni 230/132kV end Due to 230 kv korerhat ckt-1 s/d due to project work	
09:38	16:41	Gopalganj 400/132kV S/S 400kV Rampal Ckt-1 Scheduled S/D Due to Annual Maintenance	
09:38		Ishurdi-Sathia 132KV CKT S/D	
09:39	16:41	Gopalganj(N)-Rampal Ckt-1 Scheduled S/D from Rampal 400/230kV end Due to Khulna ALDC Required.	
09:54		Lalmonirhat-Rangpur 132 kV Ckt-2 Project Work S/D from Rangpur 132/33kV end Due to Piling Work	
10:05	17:10	Kodda(300MW)-Tongi 230kV Ckt-1 Scheduled S/D from Tongi 230/132/33kV end Due to Annual maintenance work	
10:11	11:29	Joypurhat 132/33kV S/S Transformer T-1 (407 T) LT Scheduled S/D Due to 33kv Bushing Connector Change perpose.	
10:11	17:16	Bhaluka 132/33kV S/S BR Powergen Ckt- 01 Scheduled S/D Due to Work at BRPL end.	
10:12	17:16	Bhaluka 132/33kV S/S BR Powergen Ckt- 02 Scheduled S/D Due to Work at BRPL end.	
10:13	11:27	Joypurhat 132/33kV S/S Transformer T-1 (407 T) HT Scheduled S/D Due to 33kv Bushing Connector Change perpose.	
10:13	14:21	Panchagarh 132/33kV S/S T-1(407T) LT Scheduled S/D Due to Maintenance work(Oil Leakage of Buchholz Relay) of Transformer -01	
10:13	14:20	Panchagarh 132/33kV S/S T-1(407T) HT Scheduled S/D Due to Maintenance work(Oil Leakage of Buchholz Relay) of Transformer -01	
10:32		Amtoli-RNPL ckt-2 is S/D According to Schedule.	
	11:49	Candpur (Desh)- Chandpur 132kV Ckt-1 is restored.	
12:00		Day Peak Generation: 10705 MW.	



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13:12 Korerhat 400/230/132kV S/S 400kV BUS-2 is restored.

13:35 Hasnabad 230/132kV S/S Bus-2 is restored.

13:36 14:36 Mirpur 132/33kV S/S T2 LT Scheduled S/D Due to Relay Testing work.

13:36 14:36 Mirpur 132/33kV S/S T2 LT Scheduled S/D Due to Relay Testing work.

13:36 14:36 Mirpur 132/33kV S/S T2 HT Scheduled S/D Due to Relay testing work.

14:27 Niamatpur-----Naogaon 132 ckt-2 Syn[First Time Naogaon GIS 132 KV Bus Charged]

14:37 Sylhet 132/33kV S/S Sylhet-90MW P/S is restored.

14:40 15:32 Mirpur 132/33kV S/S T1 LT Scheduled S/D Due to Relay test by SPMD

14:40 15:32 Mirpur 132/33kV S/S T1 HT Scheduled S/D Due to Relay test by SPMD

15:00 Madunaghat 400/230kV S/S Madunaghat-Meghnaghat 400kV Ckt.-2 is restored.

15:48 Madunaghat-Meghnaghat 400kV Ckt-2 is restored.

19:35 SS Power Synchronized

00:28 Sirajgonj 400 MW CCPP Unit-4 Synchronized with remarks:- GT

04:24 Sirajgonj 400 MW CCPP Unit-4 Synchronized with remarks:- ST

04:28 Sirajgonj 400 MW CCPP Unit-4 Synchronized with remarks:- ST

05:00 Minimum generation 8032 MW

05:00 Minimum Generation: 8032 MW

07:56 Gopalganj 400/132kV S/S 400kV Rampal Ckt-2 Scheduled S/D

07:56 Gopalganj(N)-Rampal Ckt-2 Scheduled S/D from Rampal 400/230kV end Due to Khulna Aldc Requirement.

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division