



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

Date : 29-11-2020

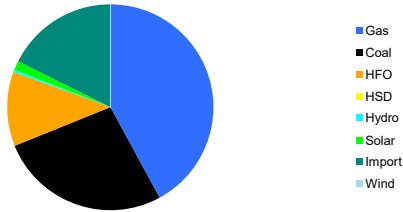
Power Supply Scenario

Day Peak Generation	10155.9	MW	12:00 Hr.	Energy Generated	239.43707	MKWHr.
Day Peak Demand	11200.9	MW	12:00 Hr.	Energy Unserviced	10.94200	MKWHr.
Evening Peak Generation	11504.39	MW	19:00 Hr.	Energy Demand	250.37907	MKWHr.
Evening Peak Demand	11801.39	MW	19:00 Hr.	Maximum Temperature	27.40	°C
Minimum Generation of the Day	8151.55	MW	05:00 Hr.	Total Gas Supplied	767.42	MMCFD
Maximum Generation of the Day	11504.39	MW	19:00 Hr.	Production Cost per KWHr	6.45176	Tk.

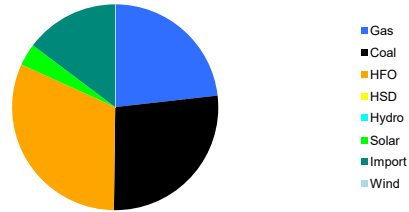
Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	28.00	0.00	10.55	0.00	0.00	0.15	0.00	0.00	38.70
Chattogram Zone	4.73	28.81	6.75	0.00	0.96	0.13	0.00	0.01	41.40
Cumilla Zone	20.72	0.00	3.88	0.00	0.00	0.39	2.77	0.00	27.76
Mymensingh Zone	0.31	0.00	1.54	0.00	0.00	0.23	0.00	0.00	2.08
Sylhet Zone	19.49	0.00	0.00	0.00	0.00	0.06	0.00	0.00	19.55
Khulna Zone	4.90	13.75	0.32	0.00	0.00	0.43	21.68	0.00	41.07
Barishal Zone	8.34	20.46	0.93	0.00	0.00	0.00	0.00	0.00	29.73
Rajshahi Zone	14.19	0.00	1.79	0.00	0.00	1.01	17.74	0.00	34.73
Rangpur Zone	0.00	1.29	2.15	0.00	0.00	0.97	0.00	0.00	4.41
Total	100.67	64.31	27.90	0.00	0.96	3.39	42.19	0.01	239.44

Fuel-Wise Generation Summary



Cost-Wise Generation Summary



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	358249561.6	Hydro	96400
Coal	417153308.2	Solar	54037796.76
HFO	487982898.9	Import	227101041.1
HSD	0	Wind	169459.2
Total:	154,47,90,465		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	21.675636	Peak Hr Flow	96.00 MW at 19:00 hrs
Energy Flow from West to East:	KWHr:	34850001.33	Import through Adani C/B Interconnector:	MKWHr:	17.739015	Peak Hr Flow	62.13 MW at 19:00 hrs
Power during Peak Demand (W-E):	MW:	1576	Import through Cumilla C/B Interconnector:	MKWHr:	2.77344	Peak Hr Flow	24.00 MW at 19:00 hrs
Maximum Power Flow (W-E):	MW:	2349	Total Import through C/B Interconnector:	MKWHr:	42.188091	Peak Hr Flow	782.13 MW at 19:00 hrs

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

Zone	Load-Shed	Demand
Dhaka	74	4427
Chattogram	0	1270
Cumilla	10	1055
Mymensingh	50	924
Sylhet	10	455
Khulna	80	1231
Barishal	20	284
Rajshahi	20	1080
Rangpur	20	728
Total	284	11454

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	1	Patenga 50MW PP (Baraka)	50
2	Barapukuria TPP Unit-2	85			
3	Siddhirgonj 210 MW TPP	115			
Total		300	Total		50
Total Unavailable Capacity			350		

Event Summary

Outage Time	Restoration Time	Description of Event	Description of Event
08:20	14:11	Saidpur 132/33kV S/S TR-2 (404T) LT Project Work S/D Due to OLTCC Oil refilling work	
08:22	14:10	Saidpur 132/33kV S/S TR-2 (404T) HT Project Work S/D Due to OLTCC Oil refilling work	
08:25		Cumilla(S) 132/33kV S/S Cumilla North-2 Scheduled S/D Due to Annual maintenance.	
08:28	18:34	Patiya 132/33kV S/S Sikalbaha-Patiya Ckt-01 Scheduled S/D Due to Line work	
08:33	16:44	Agrabad 132/33kV S/S MTR-01 (406T) HT Scheduled S/D Due to Annual Maintenance of MTR-01	
08:33	16:44	Agrabad 132/33kV S/S MTR-01 (406T) LT Scheduled S/D Due to Annual Maintenance of MTR-01	
08:35	17:17	Barapukuria-Bogura 230 kV Ckt-1 Project Work S/D from Barapukuria 230/132/33kV end Due to Conductor restringing work. and from Bogura 400/230kV end Due to Barapukuria ckt- 01 has	



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been shutdown due to project (G2G) work on the line at the Barapukuria site.

08:37	13:27	Sirajganj 132/33kV S/S T3-(435) HT Scheduled S/D Due to 33kV Kazipur Feeder CT shifting from the gantree structure to the new CT structure by Sirajgonj PBS-2	
08:37	13:27	Sirajganj 132/33kV S/S T3-(435) LT Scheduled S/D Due to 33kV Kazipur Feeder CT shifting from the gantree structure to the new CT structure by Sirajgonj PBS-2.	
08:39	18:21	Sylhet 132/33kV S/S Sylhet-90MW P/S Scheduled S/D Due to Dead Line Checking Purpose.	
08:40	16:45	Agrabad 132/33kV S/S Auxilliary Transformer-01 LT Scheduled S/D Due to Annual Maintenance of MTR-01	
08:40	16:28	Agrabad 132/33kV S/S Auxilliary Transformer-01 HT Scheduled S/D Due to Annual Maintenance of MTR-01	
08:43	15:07	BSRM-Cumilla(N) 230 kV Ckt-2 Scheduled S/D from Feni 230/132kV end Due to For disc cleaning works	
09:01		Kallyanpur 132/33kV S/S GT-2 (132kV) HT Scheduled S/D Due to Oil centrifuging	
09:03	12:45	Faridpur 132/33kV S/S 230kV Faridpur-Gopalganj CKT-2 Scheduled S/D Due to Maintenance at Gopalganj 400kV SS end.	
09:03	12:32	Gopalganj 400/132kV S/S 230kV Faridpur CKT-02 Scheduled S/D Due to Annual Maintenance	
09:11		Mirpur 132/33kV S/S Main Bus Scheduled S/D Due to AM	
09:11	16:06	Aminbazar-Kaliakoir 230kV Ckt-2 Scheduled S/D from Aminbazar 400/230/132kV end Due to Disc Cleaning	
09:13	17:19	Aminbazar-Meghnaghat 400kV Ckt-2 Scheduled S/D from Meghnaghat 400/230kV end Due to Annual Maintenance work	
09:14	16:04	Kabirpur -Tongi 132kV Ckt-2 Scheduled S/D from Kabirpur 132/33kV end Due to Annual maintenance and from Tongi 230/132/33kV end Due to Shutdown taken by kabirpur ss	
09:15	17:29	Bibiyana-Shahjibazar 230 kV Ckt-1 Scheduled S/D from Bibiana 400/230kV end.	
09:19	17:16	Ashuganj-Sreepur 230 kV Ckt-2 Scheduled S/D from Sirajgonj 230 end Due to Annual Maintenance work.	
09:21		Rajshahi 132/33kV S/S Transformer T-1(405T) HT Project Work S/D	
09:21		Rajshahi 132/33kV S/S Transformer T-1(405T) LT Project Work S/D	
09:22		Natore-Rajshahi 132kV Ckt-2 Project Work S/D from Natore 132/33kV end.	
09:25	15:35	Maniknagar-Narinda 132kV Ckt-2 Forced S/D from Maniknagar 132/33kV end Due to PT maintenance work at Narinda end. Shut taken by Mr. Rokonul Islam, SDE, DPDC. All operation done according to instructions of NLDC.	
09:38	13:25	Meghnaghat-Shyampur 230kV Ckt-2 Scheduled S/D from Shyampur 230/132kV end Due to Annual maintenance at Meghnaghat substation. and from Meghnaghat 400/230kV end Due to Maintenance work	
09:40		SS Power Bashkhali Unit-2 tripped.	580MW generation interrupt.
09:40		SS Power Unit-2 Trip	
09:40	09:56	Kalurghat 132/33kV S/S TRFO-02(516T) LT Tripped showing N/A relays Due to CB open by NLDC	6.75MW load interrupt.
10:03	17:17	Sreepur 230/132/33kV S/S Sreepur-Sirajganj Ckt-2 Scheduled S/D Due to Annual Maintenance (Dead Line)	
10:04	18:36	Chandraghona-Kaptai 132 kV Ckt-1 Scheduled S/D from Chandraghona 132/33kV end Due to Kaptai Power House Maintenance Work	
10:08	14:17	Baroaulia-Hathazari 132 kV Ckt-2 Scheduled S/D from Baroaulia 132/33kV end Due to Annual Maintenance	
10:10	18:58	Fenchuganj 230/132/33kV S/S AT-01 LT Scheduled S/D Due to Ten Delta test	
10:10	18:39	Chandraghona-Kaptai 132 kV Ckt-2 Scheduled S/D from Chandraghona 132/33kV end Due to Kaptai Power House Maintenance Work.	
10:17	18:54	Fenchuganj 230/132/33kV S/S AT-01 HT Scheduled S/D Due to Ten Delta test	
10:40		Mirsorai 230/33kV S/S Bus-1 Project Work S/D Due to Bashundhara Bus Coupling	
11:14	15:34	Daganbhuiyan 132/33kV S/S Transformer-1 HT Project Work S/D Due to REB 33 kv Bus Maintenance Purpose	
11:24	17:49	Maniknagar 230/132kV S/S Auto Transformer-01(705T) LT Scheduled S/D Due to 230kV Siddhirganj-Maniknagar ckt-1 Shutdown for Annual Maintenance.	
11:25	17:48	Maniknagar 230/132kV S/S Auto Transformer-01(705T) HT Scheduled S/D Due to 230kV Siddhirganj-Maniknagar ckt-1 Shutdown for Annual Maintenance.	



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12:00		Day Peak Generation: 10153 MW.	
12:41		Bheramara 410 MW CCPP ST tripped.	
12:41		Bheramara 410 MW CCPP Tripped with remarks:- ST	
13:17	20:43	Naogaon 132/33kV S/S 132kV GIS Bus A Project Work S/D Due to GIS main Bus Inter lock checking.	
13:17	20:39	Naogaon 132/33kV S/S 132kV GIS Bus C Project Work S/D Due to GIS main Bus Inter lock checking.	
13:17	20:39	Naogaon 132/33kV S/S Naogaon-Niamatpur Ckt-2 Project Work S/D Due to GIS main Bus inter lock checking.	
13:17	20:44	Naogaon 132/33kV S/S 132kV GIS Bus B Project Work S/D Due to GIS main Bus Inter lock checking.	
13:26		Bheramara 410 MW CCPP ST sync.	
13:26		Bheramara 410 MW CCPP Synchronized with remarks:- ST	
14:17	19:22	Saidpur 132/33kV S/S TR-3 (424T) LT Scheduled S/D Due to OLTC Oli centrifuging	
14:18	19:20	Saidpur 132/33kV S/S TR-3 (424T) HT Scheduled S/D	
	14:34	Khulshi 132/33kV S/S 405T (T1) HT is restored.	
16:07		Purbasadipur - Barapukuria 230 Kv ckt-2 S/D (Purbasadipur End)	
16:25	18:25	Naogaon-Niyamatpur 132kV Ckt-1 Project Work S/D from Niamatpur 132/33kV end Due to As per instruction of ALDC, Bogura	
16:30	16:59	Rajshahi 132/33kV S/S 132 kV PPP 50 Mw Scheduled S/D Due to S/D taken by SPMD	
18:53		Purbasadipur - Barapukuria 230 Kv ckt-2 Sync (Purbasadipur End)	
05:00		Minimum generation 8228 MW	
05:16		SS Power Bashkhali Unit-2 was synchronized	
05:55		Ishurdi-Pabna 132kV ckt Scheduled S/D from Ishurdi 132/33kV end Due to Pabna Bus Maintenance	
05:55		Pabna 132/33kV S/S Main Bus Scheduled S/D Due to Annual Maintenance	30.0MW load interrupt.
05:56		Pabna- Shahjadpur 132kV Ckt-1 Scheduled S/D from Shahjadpur 132/33kV end Due to AM	
06:51		Jashore 132/33kV S/S JH-2(L1) Project Work S/D	
06:51		Jashore 132/33kV S/S JH-1(L2) Project Work S/D	
06:52		Jhenaidah 230/132kV S/S Jhenaidah2-Jashore Ckt-2 Scheduled S/D Due to As per order of ALDC	
06:52		Jhenaidah 230/132kV S/S Jhenaidah2-Jashore Ckt-1 Scheduled S/D Due to As per order of ALDC	
06:57		Khulna (C) S/S TR-1 425T HT Project Work S/D Due to Project work	
06:57		Khulna (C) S/S TR-1 425T LT Project Work S/D Due to Project work	
07:28		Barishal 230/132kV S/S T-5 HT Scheduled S/D Due to 33kv busbar maintenance	
07:28		Barishal 230/132kV S/S T-5 LT Scheduled S/D Due to 33kv busbar maintenance	
07:33		Cumilla(N)-Shahjibazar 230 kV Ckt-1 Scheduled S/D from Cumilla(N) 230/132/33kV end Due to Shahajibazar 330MW end LILO Connection work.	
07:33		Cumilla(N)-Shahjibazar 230 kV Ckt-2 Scheduled S/D from Cumilla(N) 230/132/33kV end Due to Shahajibazar 330MW end LILO Connection work.	
07:42		Savar 132/33kV S/S 132kV Manikganj PS-Savar Ckt-2 Scheduled S/D Due to maintenance work at MPGL	
07:42		Meghnaghat-Shyampur 230kV Ckt-1 Scheduled S/D from Meghnaghat 400/230kV end Due to Maintenance work and from Shyampur 230/132kV end Due to Insulator disc change tower no: 22 & 23	
07:52		Jhenaidah 230/132kV S/S Transformer- 1 LT Scheduled S/D Due to Annual Maintenance	
07:53		Jhenaidah 230/132kV S/S Transformer- 1 HT Scheduled S/D Due to Annual Maintenance	