



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

Date : 04-12-2020

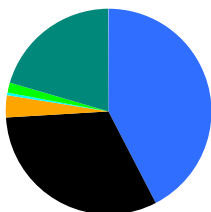
Power Supply Scenario

Day Peak Generation	10187.39	MW	12:00 Hr.	Energy Generated	230.43422	MKWHr.
Day Peak Demand	10187.39	MW	12:00 Hr.	Energy Unserverd	0.00000	MKWHr.
Evening Peak Generation	11202.2	MW	18:00 Hr.	Energy Demand	230.43422	MKWHr.
Evening Peak Demand	11202.2	MW	18:00 Hr.	Maximum Temperature	26.70	°C
Minimum Generation of the Day	7556.74	MW	05:00 Hr.	Total Gas Supplied	730.38	MMCFD
Maximum Generation of the Day	11202.2	MW	18:00 Hr.	Production Cost per KWHr	5.61095	Tk.

Zone-wise Generation Summary (MKWHr.)

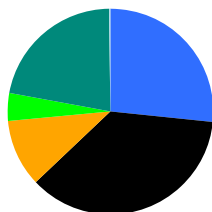
	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	25.87	0.00	3.25	0.00	0.00	0.16	0.00	0.00	29.29
Chattogram Zone	5.82	18.88	1.39	0.00	0.96	0.14	0.00	0.20	27.40
Cumilla Zone	20.51	0.00	0.84	0.00	0.00	0.41	2.07	0.00	23.83
Mymensingh Zone	0.56	0.00	1.36	0.00	0.00	0.26	0.00	0.00	2.18
Sylhet Zone	19.58	0.00	0.00	0.00	0.00	0.05	0.00	0.00	19.63
Khulna Zone	4.28	23.14	0.00	0.00	0.00	0.43	18.94	0.00	46.79
Barishal Zone	7.86	29.73	0.00	0.00	0.00	0.00	0.00	0.00	37.59
Rajshahi Zone	13.19	0.00	0.82	0.00	0.00	1.11	25.95	0.00	41.06
Rangpur Zone	0.00	1.26	0.39	0.00	0.00	1.02	0.00	0.00	2.67
Total	97.68	73.01	8.05	0.00	0.96	3.58	46.95	0.20	230.43

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	343836572.9	Hydro	96400
Coal	470301481.8	Solar	56285790.36
HFO	136695269	Import	282772910.8
HSD	0	Wind	2965536
Total:	129,29,53,960		Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	18.937454	Peak Hr Flow	844.00 MW at 18:00 hrs.
Energy Flow from West to East:	KWHr:	53637000.01	Import through Adani C/B Interconnector:	MKWHr:	25.946892	Peak Hr Flow	1326.00 MW at 18:00 hrs.
Flow during Peak Demand (W-E):	MW:	2578	Import through Cumilla C/B Interconnector:	MKWHr:	2.06976	Peak Hr Flow	96.00 MW at 18:00 hrs.
Maximum Power Flow (W-E):	MW:	2864	Total Import through C/B Interconnector:	MKWHr:	46.954106	Peak Hr Flow	2266.00 MW at 18:00 hrs.

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

Zone	Load-Shed	Demand
Dhaka	0	4207
Chattogram	0	1225
Cumilla	0	883
Mymensingh	0	857
Sylhet	0	389
Khulna	0	1225
Barishal	0	312
Rajshahi	0	985
Rangpur	0	780
Total	0	10863

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	Description of Event	Description of Event
08:14	16:54	Ishwardi-Natore 132kV Ckt-1 Scheduled S/D from Ishurdi 132/33kV end Due to A/M and from Natore 132/33kV end Due to Yearly maintenance.	
08:21	16:57	Manikganj 132/33kV S/S 132/33 kV Transformer GT-2(35/50 MVA) LT Scheduled S/D Due to Annual Maintenance	
08:21	16:46	Manikganj 132/33kV S/S 132/33 kV Transformer GT-2(35/50 MVA) HT Scheduled S/D Due to Annual Maintenance	
08:22	17:28	Gopalganj- Gopalganj(N) 132kV Ckt-2 Scheduled S/D from Gopalganj 132/33kV end Due to Annual Maintenance and from Gopalganj 400/132kV end Due to Annual Maintenance	
08:26	16:55	Cox'sbazar-Dohazari 132 kV Ckt-2 Scheduled S/D from Coxsbazar 132/33kV end Due to Annual Maintenance of Doh-Cox ckt-2 and from Dohazari 132/33kV end Due to Annual Maintenance	
08:28	18:18	Bhulta 400/230kV S/S ATR-01 HT Scheduled S/D	
08:30	15:05	Barapukuria-Bogura 230 kV Ckt-2 Scheduled S/D from Bogura 230/132kV end Due to Annual Maintenance Work	
08:31	11:09	Bhaluka 132/33kV S/S 01. Transformer- 01 HT Scheduled S/D Due to Annual maintenance	
08:31	11:10	Bhaluka 132/33kV S/S 01. Transformer- 01 LT Scheduled S/D Due to Annual maintenance	
08:33	16:11	Rajshahi 230/132/33kV S/S 132 kV Main BUS-02 Scheduled S/D Due to Annual Maintenance	
08:33	16:14	Mithapukur-Palashbari 132kV Ckt-2 Scheduled S/D from Mithapukur 132/33kV end Due to Annual maintenance. and from Palashbari 132/33kV end Due to Annual maintenance	
08:34	13:42	Ghatail 132/33kV S/S T-1 LT Scheduled S/D Due to Annual Maintenance	20.0MW load interrup.
08:35	13:33	Ghatail 132/33kV S/S T-1 HT Scheduled S/D Due to Annual Maintenance 33KV Bus 1	20.0MW load interrup.



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08:40		Bhaluka 132/33kV S/S Bus B Scheduled S/D Due to Annual maintenance	
08:43	18:04	Aminbazar-Mirpur 132kV Ckt-1 Scheduled S/D from Mirpur 132/33kV end Due to Dead line Checking.	
08:44	16:28	Kabirpur - Manikganj 132kV Ckt-2 Scheduled S/D from Manikganj 132/33kV end Due to Annual Maintenance	
08:45	14:58	Bheramara(GK) 132/33kV S/S TR-4 LT Scheduled S/D Due to Annual Maintenance	
08:46	14:54	Bheramara(GK) 132/33kV S/S TR-4 HT Scheduled S/D Due to Annual Maintenance	
08:48	08:48	Barapukuria-Bogura 230 kV Ckt-1 Tripped from Bogura 400/230kV end showing BCU, Main-2 (GE Relay) relays Due to Broken Conductor	
08:55	16:12	Mymensingh RPCL-Tangail 132kV Ckt-2 Scheduled S/D from Muktagacha 132/33kV end. and from Ghatail 132/33kV end Due to Annual Maintenance	
08:58	16:50	Barapukuria-Bogura 230 kV Ckt-1 Scheduled S/D from Barapukuria 230/132/33kV end Due to Annual Maintenance	
09:00	17:16	Satmasjid 132/33kV S/S 132/33 KV Transformer-1 LT Scheduled S/D Due to Ten-Delta test	
09:01	17:09	Satmasjid 132/33kV S/S 132/33 KV Transformer-1 HT Scheduled S/D Due to Ten Delta test	
09:03	16:53	Sreepur 230/132/33kV S/S Sreepur-Ashuganj Ckt-1 Scheduled S/D Due to Scheduled Maintenance	
09:06	15:44	Cumilla(N) 230/132/33kV S/S 230KV ATR-01 LT Scheduled S/D Due to Annual maintenance	
09:07	15:42	Cumilla(N) 230/132/33kV S/S 230KV ATR-01 HT Scheduled S/D Due to AM	
09:10	19:24	Bhulta-Ghorasal 230 kV Ckt-1 Scheduled S/D from Bhulta 400/230kV end.	
09:11	19:25	Bhulta-Ghorasal 230 kV Ckt-2 Scheduled S/D from Bhulta 400/230kV end.	
09:16	10:11	Chhatak 132/33kV S/S T-1 HT Scheduled S/D Due to Annual Maintenance	
09:16	10:11	Chhatak 132/33kV S/S T-1 LT Scheduled S/D Due to Annual Maintenance	
09:18	11:19	Bhaluka-Mymensingh 132 kV Ckt-1 Scheduled S/D from Bhaluka 132/33kV end Due to Annual Maintenance	
09:25	16:38	Sreemongol 132/33kV S/S 132/33kv T-2 LT Scheduled S/D Due to annual maintenance	
09:25	16:38	Sreemongol 132/33kV S/S 132/33kv T-3 LT Scheduled S/D Due to annual maintenance	
09:26	16:37	Sreemongol 132/33kV S/S 132/33kv T-2 HT Scheduled S/D Due to annual maintenance	
09:26	16:37	Sreemongol 132/33kV S/S 132/33kv T-3 HT Scheduled S/D Due to annual maintenance	
09:41	16:39	Mymensingh-Netrokona 132kV Ckt-1 Project Work S/D from Netrakona 132/33kV end Due to Equipment changing by G2G	
09:50	12:38	Kasba 132/33kV S/S TR-1 HT Scheduled S/D Due to for scada work	
10:10	15:40	Rangpur 132/33kV S/S T-1(414T) LT Scheduled S/D Due to Annual Maintenance work	
10:11	15:40	Rangpur 132/33kV S/S T-1(414T) HT Scheduled S/D Due to Annual Maintenance works	
10:14	10:50	Chhatak 132/33kV S/S T-3 HT Scheduled S/D	
10:14	10:50	Chhatak 132/33kV S/S T-3 LT Scheduled S/D	
10:31	16:22	Natore 132/33kV S/S TR-2 (415 T) LT Scheduled S/D Due to Yearly maintenance.	
10:32	16:17	Natore 132/33kV S/S TR-2 (415 T) HT Scheduled S/D Due to Yearly maintenance.	
10:53	12:02	Chattak-Sylhet 132 kV Ckt-1 Scheduled S/D from Chhatak 132/33kV end Due to 132 kv DS (101S) Cleaning and from Sylhet 132/33kV end Due to Chattak side job purpose.	
11:20	16:35	Hathazari 230/132/33kV S/S MT-04 HT Scheduled S/D Due to Annual Maintenance	
11:20	16:35	Hathazari 230/132/33kV S/S MT-04 LT Scheduled S/D Due to Annual Maintenance	
11:23	12:48	Bhaluka-Mymensingh 132 kV Ckt-2 Scheduled S/D from Bhaluka 132/33kV end Due to Annual maintenance work	
11:32		Bhaluka 132/33kV S/S 02. Transformer- 02 HT Scheduled S/D Due to Annual maintenance work	
11:33		Bhaluka 132/33kV S/S 02. Transformer- 02 LT Scheduled S/D Due to Annual maintenance work	
11:40		Rampur 230/132/33 S/S TR-1 LT Project Work S/D Due to On demand of PDB rampur 33kv S/S	
12:00		Day peak generation 10183 MW	
13:47	15:25	Ghatail 132/33kV S/S T-2 LT Scheduled S/D Due to Annual Maintenance	20.0MW load interrupt.
13:48	15:24	Ghatail 132/33kV S/S T-2 HT Scheduled S/D Due to Annual Maintenance	20.0MW load interrupt.
14:30	17:14	Kasba 132/33kV S/S TR-2 HT Scheduled S/D Due to nldc and scada work by ESPNER project	
	15:38	Sylhet 132/33kV S/S T4 LT is restored.	
	15:38	Sylhet 132/33kV S/S T4 HT is restored.	
	16:01	Chhatak 132/33kV S/S Bus A is restored.	
	16:04	Chhatak 132/33kV S/S T-2 HT is restored.	
	16:04	Chhatak 132/33kV S/S T-2 LT is restored.	
16:10	16:44	Haripur 230/132kV S/S Auto TR-1 LT Scheduled S/D Due to To fill OLTC with oil	
16:10	16:44	Haripur 230/132kV S/S Auto TR-1 HT Scheduled S/D Due to To fill OLTC with oil	
16:15	19:22	Tongji 230/132/33kV S/S T-3 LT Scheduled S/D Due to CT core connection	
16:15	19:22	Tongji 230/132/33kV S/S T-3 HT Scheduled S/D Due to CT core connection	



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16:33	Sherpur 132/33kV S/S Bus B is restored.	
16:45	Goalpara- Khulna (C) 132kV Ckt-2 is restored.	
17:03	TR-1 Transformer close at Bakerganj 132/33 KV S/S.	
17:03	25/41MVA Transformer-1 is switched on at Bakerganj Substation for the first time.	
17:03	19:22 Bashundhara-Tongi 132 kV Ckt-2 Scheduled S/D from Tongi 230/132/33kV end Due to CT core connection	
17:03	Barishal 132/33kV S/S 132 kv GTPS is restored.	
17:03	Barishal 132/33kV S/S 132 kv GTPS is restored.	
18:00	Evening Peak Generation is 11202 MW.	
18:03	18:30 Sreepur 230/132/33kV S/S Sreepur-Ashuganj Ckt-1 Scheduled S/D Due to Annual Maintenance	
18:47	18:55 Barishal 132/33kV S/S T-1 (405T) LT Tripped showing O/C, E/F relays Due to 33 kV polashpur feeder fault.	42.0MW load interrupt.
19:15	Purbasadiapur 132/33kV S/S T-4 Transformer HT is restored.	
19:17	Hasnabad 230/132kV S/S AUTO TR-2 HT is restored.	
19:19	Hasnabad 230/132kV S/S AUTO TR-2 LT is restored.	
19:27	80/120MVA 132/33kV Transformer-1 (Previously known as T-4 in the same substation) was switched on from 132kV GIS bus-B for the first time at 19:27 hrs at Purbasadiapur Substation.	
20:12	Rangpur 132/33kV S/S Rangpur-GTPS is restored.	
00:46	Meghnaghat CCPP(Summit)-2 Synchronized with remarks:- GT	
00:46	Meghnaghat CCPP(Summit)-2 GT Synchronized with remarks:- None	
00:46	Summit Meghnaghat-2 589 MW CCPP GT was sync.	
02:55	Meghnaghat CCPP(Summit)-2 ST Synchronized with remarks:- None	
02:55	Meghnaghat CCPP(Summit)-2 Synchronized with remarks:- ST	
05:00	Minimum Generation: 7464 MW.	
06:20	Goalpara- Khulna (C) 132kV Ckt-2 Project Work S/D from Goalpara 132/33kV end Due to instruction by the ALDC, Khulna and from Khulna (C) end Due to For project work shutdown	
06:26	Goalpara- Khulna (C) 132kV Ckt-2 Project Work S/D from Khulna (C) end Due to For project work shutdown	
06:28	Halishahar 132/33kV S/S 415T(TR-2) HT Project Work S/D Due to 33kv cable shifting work.	
06:39	Halishahar 132/33kV S/S 425T(TR-3) HT Project Work S/D Due to 33 kv cable shifting work.	
06:44	Natore-Rajshahi 132kV Ckt-2 Project Work S/D from Rajshahi 132/33kV end Due to FOR MAIN BUS SHUTDOWN	
06:44	Natore-Rajshahi 132kV Ckt-1 Project Work S/D from Rajshahi 132/33kV end Due to FOR MAIN BUS SHUTDOWN	
06:46	Rajshahi 132/33kV S/S 132 kV PPP 50 Mw Project Work S/D Due to FOR MAIN BUS SHUTDOWN	
06:48	Rajshahi 132/33kV S/S Main Bus Project Work S/D Due to FOR MAIN BUS SHUTDOWN	
06:48	Rajshahi-Rajshahi(New) 132kV Ckt-2 Project Work S/D from Rajshahi 132/33kV end Due to FOR MAIN BUS SHUTDOWN	
06:48	Rajshahi-Rajshahi(New) 132kV Ckt-1 Project Work S/D from Rajshahi 132/33kV end Due to FOR MAIN BUS SHUTDOWN	
06:49	Rajshahi 132/33kV S/S Transformer T-3 (425T) HT Project Work S/D Due to FOR MAIN BUS SHUTDOWN	12.0MW load interrupt.
06:49	Rajshahi 132/33kV S/S Transformer T-2(415T) HT Project Work S/D Due to FOR MAIN BUS S/D	
06:49	Rajshahi 132/33kV S/S Transformer T-1(405T) HT Project Work S/D Due to For bus shutdown	
07:22	Barishal 132/33kV S/S 132 kv Summit power Scheduled S/D Due to Annual maintenance.	
07:28	Hasnabad 230/132kV S/S AUTO TR-2 LT Scheduled S/D Due to annual maintenance	
07:28	Hasnabad 230/132kV S/S AUTO TR-2 HT Scheduled S/D Due to annual maintenance	
07:36	Rangpur 132/33kV S/S Rangpur-GTPS Project Work S/D	
07:52	JERA Meghnaghat Power Limited 718 MW CCPP was shutdown.	
07:55	Chaudagram-Feni 132 kV Ckt-2 Project Work S/D from Feni 230/132kV end Due to XLPE Cable Dressing	18.0MW load interrupt. Feni 230/132kV end

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division