



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

Date : 19-01-2020

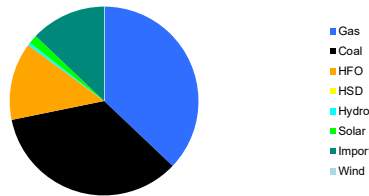
Power Supply Scenario

Day Peak Generation	10957.77	MW	12:00 Hr.	Energy Generated	241.63214	MKWHr.
Day Peak Demand	10967.77	MW	12:00 Hr.	Energy Unserviced	0.28200	MKWHr.
Evening Peak Generation	11418.3	MW	19:00 Hr.	Energy Demand	241.91414	MKWHr.
Evening Peak Demand	11418.3	MW	19:00 Hr.	Maximum Temperature	27.70	°C
Minimum Generation of the Day	7911.76	MW	05:00 Hr.	Total Gas Supplied	680.12	MMCFD
Maximum Generation of the Day	11418.3	MW	19:00 Hr.	Production Cost per KWHr	6.88680	Tk.

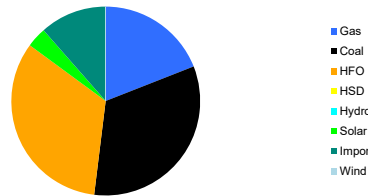
Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	Total
Dhaka Zone	25.07	0.00	14.56	0.00	0.00	0.17	0.00	0.00	39.80
Chattogram Zone	4.73	36.43	3.43	0.00	1.08	0.15	0.00	0.02	45.84
Cumilla Zone	18.91	0.00	4.55	0.00	0.00	0.40	2.33	0.00	26.19
Mymensingh Zone	0.87	0.00	1.86	0.00	0.00	0.25	0.00	0.00	2.98
Sylhet Zone	19.28	0.00	0.00	0.00	0.00	0.06	0.00	0.00	19.34
Khulna Zone	7.70	26.01	0.41	0.00	0.00	0.45	10.95	0.00	45.52
Barishal Zone	8.47	21.51	1.14	0.00	0.00	0.00	0.00	0.00	31.11
Rajshahi Zone	4.57	0.00	2.80	0.00	0.00	1.12	17.88	0.00	26.37
Rangpur Zone	0.00	0.00	3.46	0.00	0.00	1.03	0.00	0.00	4.48
<b>Total</b>	<b>89.61</b>	<b>83.95</b>	<b>32.19</b>	<b>0.00</b>	<b>1.08</b>	<b>3.64</b>	<b>31.15</b>	<b>0.02</b>	<b>241.63</b>

Fuel-Wise Generation Summary



Cost-Wise Generation Summary



Production Cost (Tk.)

Fuel	Tk.	Fuel	Tk.
Gas	316694407.7	Hydro	107622
Coal	548125087.7	Solar	57153435.26
HFO	551128286.4	Import	190609877.4
HSD	0	Wind	254188.8
<b>Total:</b>	<b>166,40,72,905</b>		<b>Tk.</b>

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	10.946181	Peak Hr Flow	52.00 MW at 19:00 hrs
Energy Flow from West to East:	KWHr:	31627091.57	Import through Adani C/B Interconnector:	MKWHr:	17.875328	Peak Hr Flow	65.00 MW at 19:00 hrs
Flow during Peak Demand (W-E):	MW:	1241	Import through Cumilla C/B Interconnector:	MKWHr:	2.32608	Peak Hr Flow	08.00 MW at 19:00 hrs
Maximum Power Flow (W-E):	MW:	1904	Total Import through C/B Interconnector:	MKWHr:	31.147589	Peak Hr Flow	25.00 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	0	4302
Chattogram	0	1183
Cumilla	0	960
Mymensingh	0	906
Sylhet	0	423
Khulna	0	1267
Barishal	0	304
Rajshahi	0	1014
Rangpur	0	688
<b>Total</b>	<b>0</b>	<b>11047</b>

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			
		<b>Total</b>			<b>Total</b>
		<b>300</b>			<b>0</b>
<b>Total Unavailable Capacity</b>			<b>300</b>		

Event Summary

Outage Time	Restoration Time	Description of Event	Description of Event
08:05	17:17	Fenchuganj 230/132/33kV S/S TR-01 LT Scheduled S/D Due to 132 KV BUS-1 Shutdown for Annual Maintenance	
08:10	17:17	Fenchuganj 230/132/33kV S/S TR-01 HT Scheduled S/D Due to 132 KV BUS -1 Shutdown	
08:11	17:12	Payra 400/132/33kV S/S 132/33 kV Transformer-03 LT Scheduled S/D Due to Maintenance	
08:11	17:10	Payra 400/132/33kV S/S 132/33 kV Transformer-03 HT Scheduled S/D Due to Maintenance	
08:11	17:10	Payra 400/132/33kV S/S 132/33 kV Transformer-03 HT Scheduled S/D Due to Maintenance	
08:19		Rajshahi 132/33kV S/S Transformer T-3 (425T) LT Project Work S/D Due to Development Work.	



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08:20		Rajshahi 132/33kV S/S Transformer T-3 (425T) HT Project Work S/D Due to Development Work
08:22	15:32	Daudkandi-Sonargaon 132 kV Ckt-2 Scheduled S/D from Daudkandi 132/33kV end Due to Annual maintenance and from Sonargaon 132/33kV end Due to Annual maintenance deadline checking & Bay maintenance..
08:22	16:42	Kaliakoir-Tongi 230kV Ckt-2 Scheduled S/D from Kaliakoir 400/230/132kV end Due to Annual Maintenance Disk Cleaning work and from Tongi 230/132/33kV end Due to Shutdown taken by kalaikair ss
08:26	17:16	Taraganj 132/33kV S/S Taraganj-Rangpur CKT-02 Scheduled S/D
08:26	16:55	Taraganj 132/33kV S/S Taraganj-Saidpur CKT-01 Scheduled S/D Due to deadline checking
08:27	17:14	Rangpur-Saidpur 132kV Ckt-2 Scheduled S/D from Rangpur 132/33kV end Due to Annual Maintenance
08:28	16:55	Rangpur-Saidpur 132kV Ckt-1 Scheduled S/D from Saidpur 132/33kV end Due to Annual maintenance
08:33		Madunaghat-Meghnaghat 400kV Ckt-2 Scheduled S/D from Meghnaghat 400/230kV end Due to maintenance work
08:35	16:15	Bogura-Rahanpur 400kV Ckt-1 Scheduled S/D from Bogura 400/230kV end Due to Annual Maintenance and from Rahanpur 400/132kV end Due to Annual maintenance work
08:35	16:06	Aminbazar-Kaliakoir 230kV Ckt-1 Scheduled S/D from Kaliakoir 400/230/132kV end Due to Annual Maintenance Disk Cleaning work
08:35	17:09	Fenchuganj 230/132/33kV S/S 132 KV Bus-1 Scheduled S/D Due to For Annual Maintenance
08:56	17:04	Aminbazar 400/230/132kV S/S ATR-02 LT Scheduled S/D Due to Annual maintenance
08:59	17:02	Aminbazar 400/230/132kV S/S ATR-02 HT Scheduled S/D Due to Annual maintenance
09:01	16:39	Goalpara-Labanchura 132kV Ckt-2 Scheduled S/D from Goalpara 132/33kV end Due to Annual Maintenance.
09:01	10:30	Fenchuganj-Kulaura 132 kV Ckt-1 Scheduled S/D from Kulaura 132/33kV end Due to Fenchuganj ckt-1 shutdown for maintenance by NLDC AE and from Fenchuganj 230/132/33kV end Due to Annual Maintenance
	09:15	Shahjadpur 132/33kV S/S Main Bus is restored.
09:18	17:02	Gopalganj 400/132kV S/S 400kV Rampal Ckt-1 Scheduled S/D Due to Annual maintenance
09:19	17:05	Rampal 400/230kV S/S Gopalganj Line-1 Reactor Forced S/D Due to Khulna ALDC Demand(Annual Maintenance)
09:20	17:02	Gopalganj(N)-Rampal Ckt-1 Forced S/D from Rampal 400/230kV end Due to Khulna ALDC Demand(Annual Maintenance)
09:22	16:47	Mirpur 132/33kV S/S Main Bus Scheduled S/D Due to M/B Ds of Aminbazar Ckt-2 & Uttara old ckt Annual Maintenance work.
09:23	20:01	Shyampur-Shyampur(New) 132kV Ckt-2 Project Work S/D from Shyampur 230/132kV end Due to Project work of DPDC.
09:24	16:49	Kallyanpur 132/33kV S/S GT-1 (132kV) LT Scheduled S/D Due to DPDC 33kV bus shut down.
09:26	16:52	Kallyanpur 132/33kV S/S GT-3 (132kV) LT Scheduled S/D Due to DPDC 33kV bus shut down.
09:30		Kabirpur -Kodda 132kV Ckt-1 Scheduled S/D from Kabirpur 132/33kV end Due to Annual maintenance (deadline checking)
09:34	15:38	Sirajganj-Ullahpara 132KV Ckt-2 Scheduled S/D from Sirajganj 132/33kV end Due to Annual Maintenance and from Ullahpara 132/33kV end Due to Annual maintenance Work
09:53	14:27	Keranigonj 230/132/33kV S/S 132 kV Hasnabad Ckt. 1 Scheduled S/D Due to Dead line checking at Hasnabad end.
09:53	15:49	Muradnagar 132/33kV S/S 132 KV Muradnagar- Cumilla(N) Ckt-01 Scheduled S/D Due to maintenance work
10:02	14:28	Aggreko-keraniganj 132kV Ckt-1 Scheduled S/D from Keranigonj 230/132/33kV end Due to Dead line checking at Hasnabad end.
10:02	14:28	Aggreko-keraniganj 132kV Ckt-1 Scheduled S/D from Keranigonj 230/132/33kV end Due to Dead line checking at Hasnabad end.
10:10	18:01	Sreepur 230/132/33kV S/S 230/132 kV T-2 LT Scheduled S/D Due to Annual Maintenance
10:10	18:00	Sreepur 230/132/33kV S/S 230/132 kV T-2 HT Scheduled S/D Due to Annual Maintenance
	10:19	Purbasadipur-Thakurgaon-EPV 132kV Ckt-2 is restored.
10:30	15:22	Fenchuganj-Kulaura 132 kV Ckt-2 Scheduled S/D from Fenchuganj 230/132/33kV end Due to Annual Maintenance and from Kulaura 132/33kV end Due to Fenchuganj ckt-2 shutdown for maintenance by NLDC AE



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10:58		Kachua 230/132/33kV S/S TR-1 HT is restored.	
11:07		Purbasadipur-Thakurgaon-EPV 132kV Ckt-2 Project Work S/D from Thakurgaon 132/33kV end Due to FOR RECONDUCTOING WORK	
11:08	13:40	AKSML-Baraoulia 132kV Ckt-1 Forced S/D from Baraoulia 132/33kV end Due to For maintenance work of AKSPL's DS and from AKS 132/33kV end Due to AKSPL to Baraoulia 132 KV Line Baraoulia Line DS (104S) R-Phase spark (Flash) occurred. AKSPL-Baraoulia & AKSPL-Khulshi Line forced S/D according to AKSPL S/S Demand for emergency maintenance.	45.0MW load interrupt. Baraoulia 132/33kV end
11:18	12:35	Ghorasal-Tongi 230kV Ckt-2 Scheduled S/D from Tongi 230/132/33kV end Due to Shutdown taken by Ghorashal ss	
11:19	13:53	Dohazari-Sikalbaha 132 kV Ckt-1 Scheduled S/D from Dohazari 132/33kV end Due to Loop connection work from Line DS to newly installed CT (R-phase).	
11:31		Madunaghat 400/230kV S/S Madunaghat-Meghnaghat 400kV Ckt-2 Scheduled S/D	
11:31	20:25	Tongi 230/132/33kV S/S Tongi-Tongi 80 MW PS Scheduled S/D Due to Kabirpur panel installation	
11:31	16:15	Tongi 230/132/33kV S/S Tongi-Dhaka Metro Rail Ckt Scheduled S/D Due to Kabirpur Panel installation	
11:52	13:30	AKSML-Khulshi 132kV Ckt-1 Forced S/D from AKS 132/33kV end Due to AKSPL to Baraoulia 132 KV Line Baraoulia Line DS (104S) R-Phase spark (Flash) occurred. AKSPL-Baraoulia & AKSPL-Khulshi Line forced S/D according to AKSPL S/S Demand for emergency maintenance.	
11:54	19:55	Tongi 230/132/33kV S/S T-2 HT Scheduled S/D Due to Panel meter shifting	
11:54	19:56	Tongi 230/132/33kV S/S T-2 LT Scheduled S/D Due to Panel meter shifting	
12:00		Day Peak Generation: 10955 MW.	
14:21	15:18	Sirajganj 132/33kV S/S T4-(445) HT Forced S/D Due to S/D taken by Sirajgonj PBS-2 for 33kV Economic Zone feeder BUS DS insulator replacement	20.0MW load interrupt.
14:21	15:18	Sirajganj 132/33kV S/S T4-(445) LT Forced S/D Due to S/D taken by Sirajgonj PBS-2 for 33kV Economic Zone feeder BUS DS insulator replacement.	
14:28	17:40	Faridpur 132/33kV S/S 132 KV Rajbari ckt-2 Forced S/D Due to Circuit breaker maintenance	
15:40	16:43	Fenchuganj-Sreemangal 132kV Ckt-2 Scheduled S/D from Sreemongol 132/33kV end Due to Annual Maintenance at Fenchuganj End and from Fenchuganj 230/132/33kV end Due to Annual maintenance	
16:11		Ashuganj-Bhulta 400 kV Ckt-1 is restored.	
16:47		Mirpur 132/33kV S/S Main Bus is restored.	
17:05		Moghbarar-Rampura 132kV Ckt-1 is restored.	
17:12		Payra 400/132/33kV S/S 132/33 kV Transformer-03 LT is restored.	
17:32		Maniknagar 230/132kV S/S Auto Transformer-02 (715T) HT is restored.	
17:35		Maniknagar 230/132kV S/S Auto Transformer-02 (715T) LT is restored.	
17:44	01:15	Maniknagar-Siddhirganj 230kV Ckt-2 Tripped from Maniknagar 230/132kV end showing 1.REDE670 2.REL-670 relays.	
18:35	01:13	Maniknagar-Siddhirganj 230kV Ckt-2 Scheduled S/D from Siddhirganj 230/132kV end Due to Replace LA	
19:00		Evening peak Generation is 11418 MW	
19:59		Sylhet 132/33kV S/S Sylhet-90MW P/S is restored.	
05:00		Minimum Generation: 7911 MW.	
07:12		Ashuganj-Bhulta 400 kV Ckt-1 Scheduled S/D from Bhulta 400/230kV end.	

Sub-Divisional Engineer  
Network Operation Division

Executive Engineer  
Network Operation Division

Superintendent Engineer  
Network Operation Division