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National Load Dispatch Center (NLDC)
System Summary Report

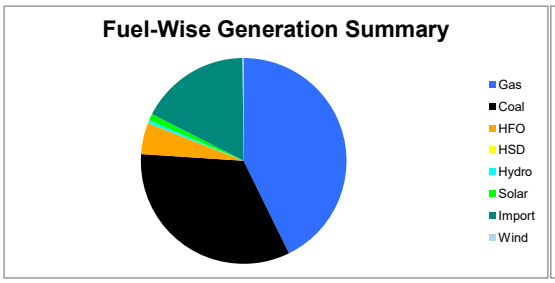
Date : 25-03-2020

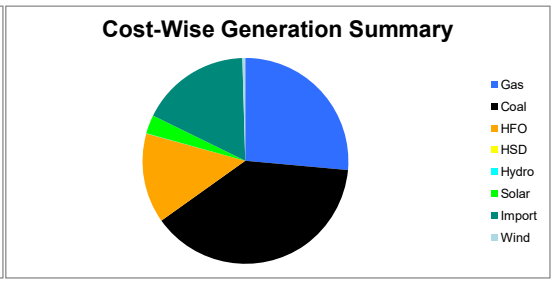
Power Supply Scenario

Day Peak Generation	11346.2	MW	10:00 Hr.	Energy Generated	297.18966	MKWHr.
Day Peak Demand	11416.22	MW	10:00 Hr.	Energy Unserverd	1.37500	MKWHr.
Evening Peak Generation	13587	MW	21:00 Hr.	Energy Demand	298.56466	MKWHr.
Evening Peak Demand	13615	MW	21:00 Hr.	Maximum Temperature	32.50	°C
Minimum Generation of the Day	10959.69	MW	12:00 Hr.	Total Gas Supplied	907.04	MMCFD
Maximum Generation of the Day	14022.24	MW	00:00 Hr.	Production Cost per KWHr	5.65919	Tk.

Zone-wise Generation Summary (MKWHr.)

	Gas	Coal	HFO	HSD	Hydro	Solar	Import	Wind	**Total**
Dhaka Zone	35.08	0.00	7.21	0.00	0.00	0.11	0.00	0.00	42.39
Chattogram Zone	5.57	24.99	2.98	0.00	1.41	0.14	0.00	0.55	35.64
Cumilla Zone	29.37	0.00	1.32	0.00	0.00	0.31	2.75	0.00	33.76
Mymensingh Zone	0.02	0.00	2.11	0.00	0.00	0.07	0.00	0.00	2.20
Sylhet Zone	28.60	0.00	0.00	0.00	0.00	0.01	0.00	0.00	28.61
Khulna Zone	3.92	17.24	0.20	0.00	0.00	0.51	21.38	0.00	43.25
Barishal Zone	7.91	51.83	0.00	0.00	0.00	0.00	0.00	0.00	59.75
Rajshahi Zone	16.64	0.00	0.05	0.00	0.00	1.08	27.20	0.00	44.97
Rangpur Zone	0.00	4.84	0.87	0.00	0.00	0.92	0.00	0.00	6.63
Total	127.09	98.91	14.75	0.00	1.41	3.15	51.32	0.55	297.19





Production Cost (Tk.)

Fuel	**Tk.**	**Fuel**	**Tk.**
Gas	444103475.9	Hydro	141398
Coal	651974997.7	Solar	49732676.76
HFO	237710058.7	Import	290096989.8
HSD	0	Wind	8091676.8
	Total:	168,18,51,273	Tk.

E-W Interconnector & Import Scenario

Energy Flow from East to West:	KWHr:	0	Import through HVDC C/B Interconnector:	MKWHr:	21.377455	Peak Hr Flow	822.00 MW at 21:00 hrs.
Energy Flow from West to East:	KWHr:	47750036.36	Import through Adani C/B Interconnector:	MKWHr:	27.196364	Peak Hr Flow	1447.00 MW at 21:00 hrs.
ow during Peak Demand (W-E):	MW:	2179	Import through Cumilla C/B Interconnector:	MKWHr:	2.74944	Peak Hr Flow	118.00 MW at 21:00 hrs.
Maximum Power Flow (W-E):	MW:	2585	Total Import through C/B Interconnector:	MKWHr:	51.323259	Peak Hr Flow	2387.00 MW at 21:00 hrs.

Zone-wise Load-shed and Demand Summary (MW) at evening peak Hour (21:00 Hr.)

Zone	**Load-Shed**	**Demand**
Dhaka	0	4403
Chattogram	0	1348
Cumilla	0	1198
Mymensingh	0	956
Sylhet	0	463
Khulna	27	1945
Barishal	0	520
Rajshahi	0	1436
Rangpur	0	860
Total	**27**	**13129**

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
08:01	14:41	Baghabari-Ishurdi 230 kV Ckt-1 Scheduled S/D from Baghabari 230/132kV end.	
	08:20	Mymensingh 132/33kV S/S Transformer-2 (414T) HT is restored.	
	08:21	Mymensingh 132/33kV S/S Transformer-2 (414T) LT is restored.	
09:45	10:16	Jamalpur-Mymensingh 132kV Ckt-2 Tripped from Jamalpur 132/33kV end showing Distance Z2,Z3 relays Due to Trip	
	09:55	Kachua 230/132/33kV S/S TR-1 HT is restored.	
	09:56	Kachua 230/132/33kV S/S TR-1 LT is restored.	
10:00		Day Peak Generation: 11344 MW.	

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10:13	14:44	Sreepur 230/132/33kV S/S 132/33 kV T-1 HT Scheduled S/D Due to Neutral Bushing Repair work.	
10:24		Rampal 1320 MW (BIFPCL) Forced Shutdown with remarks:- Unit-1	
10:25		Rampal 1320 MW (BIFPCL) Synchronized with remarks:- U - 2 running	
	11:04	Niamatpur 132/33kV S/S Transformer-1(407T) LT is restored.	
	11:04	Niamatpur 132/33kV S/S Transformer-1(407T) HT is restored.	
11:05	16:15	Lakshmipur 132/33kV S/S Transformer-1 LT Scheduled S/D Due to Red hot Maintenance	
11:06	15:46	Lakshmipur 132/33kV S/S Transformer-1 HT Scheduled S/D Due to Redhot Maintenance.	
	11:28	Khulna(C)-Khulna (S) 132kV Ckt-1 is restored.	
12:04	13:01	Korerhat 400/230/132kV S/S Hathajari-1 Tripped showing 7SA87 relays Due to Lightning	
12:19	13:29	Korerhat 400/230/132kV S/S Madunaghat-1 Tripped showing RED670 relays Due to Lightning	
12:19	13:02	Baroirhat-Hathazari 132 kV Ckt-1 Tripped from Hathazari 230/132/33kV end showing Quadrhamo Relay relays.	
12:19	13:05	Baroirhat-Hathazari 132 kV Ckt-2 Tripped from Hathazari 230/132/33kV end showing Quadrhamo Relay relays.	
12:19	13:28	Madunaghat 400/230kV S/S Madunaghat-Meghnaghat 400kV Ckt.-1 Tripped showing ABB RED 70 relays Due to General Trip, Y phase Fault, Line Differential Trip	
12:19	13:04	Korerhat 400/230/132kV S/S Hathajari-2 Tripped showing 7SA87 relays Due to Lightning	70.0MW load interrup.
13:02	20:00	Madanganj 132/33kV S/S GT-2 LT Tripped showing O/C & E/F relays Due to 33 KV GT-2 Bus 3 Phase Fault	20.0MW load interrup.
13:02	20:00	Madanganj 132/33kV S/S GT-2 HT Tripped showing O/C & E/F Relay relays Due to O/C & E/F	20.0MW load interrup.
13:05	13:55	Sonargaon 132/33kV S/S OPSL(IEL-2) Tripped showing Line distance relay relays Due to Bad weather	
	13:11	Ashuganj-Shahjibazar 132kV Ckt-1 is restored.	
	13:11	Korerhat 400/230/132kV S/S ATR-3(7103T) HT is restored.	
13:12	15:15	Saidpur 132/33kV S/S TR-2 (404T) LT Forced S/D Due to Red hot maintainance	
13:12	13:54	Haripur-Madanganj 132kV Ckt-1 Tripped from Haripur 230/132kV end showing Time Delay E/F relays Due to Rain & Storm	
13:12	15:15	Saidpur 132/33kV S/S TR-2 (404T) HT Forced S/D Due to Red hot maintainance	
	13:12	Korerhat 400/230/132kV S/S ATR-3(7103T) LT is restored.	
13:12	13:58	Siddhirganj 132/33kV S/S 120MW EGCB GT1 Tripped showing LBB Inatiation relays Due to heavy rain strom	
13:14	13:40	Madanganj 132/33kV S/S Madanganj -Haripur 132 kv Ckt-2 Tripped showing Tr protection relay relays Due to Over current & earth fault.	52.0MW load interrup.
14:01	14:10	Sreepur 230/132/33kV S/S 132/33 kV T-2 LT Tripped showing df/dt relays Due to df/dt	29.0MW load interrup.
14:03	15:01	Candpur- Kachua 132kV Ckt-2 Tripped from Chandpur 132/33kV end showing Distance Relay relays Due to Unknown and from Kachua 230/132/33kV end showing REL 670,REC 650 relays Due to rain and storm	
14:41		PTR-3 BKR close (old T-2 132/33KV) in Nauga S/S.	
17:43	19:20	Lakshmipur 132/33kV S/S Transformer-1 LT Scheduled S/D Due to PDB End Maintenance.	
17:44	19:15	Lakshmipur 132/33kV S/S Transformer-1 HT Scheduled S/D Due to PDB End Maintenance.	
18:07	20:40	Chowmuhani 230/132/33kV S/S TR2-425T HT Forced S/D Due to 33kV LBUS BUS DS loop Redhot Maintenance. NPBS will do the maintenance work.	20.0MW load interrup.
18:36	20:40	Chowmuhani 230/132/33kV S/S TR2-425T LT Forced S/D Due to 33kV LBUS BUS DS loop Redhot Maintenance. NPBS will do the maintenance work.	20.0MW load interrup.
20:47	21:24	Bhangura 132/33kV S/S Tr-2(413T) LT Forced S/D Due to Red hot remove 33 kv bkr side	
20:48	21:23	Bhangura 132/33kV S/S Tr-2(413T) HT Forced S/D Due to Red hot remove 33 kv bkr side	
22:03		Barapukuria unit-3 tripped.	
22:23		Mymensingh RPCL CCPP GT-1 was sync.	
23:12	23:41	Khulna (S)-Satkhira 132kV Ckt-1 Tripped from Satkhira 132/33kV end showing Distance relays Due to Earth fault phase(L-3) distance from khulna south substation at 103.2km and from Khulna(S) 230/132kV end showing Distance relaya) Dist. Pickup-L3Eb)Dist.-101.7Kmc) Trip time-800ms relays Due to None	76.0MW load interrup. Satkhira 132/33kV end and 78.0MW load interrup. Khulna(S) 230/132kV end
23:12	23:35	Khulna (S)-Satkhira 132kV Ckt-2 Tripped from Satkhira 132/33kV end showing Distance relays Due to Earth fault phase(L-3) distance from khulna south substation at 101.7km and from Khulna(S) 230/132kV end showing Distance relaya) Dist.	76.0MW load interrup. Satkhira 132/33kV end and

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		Pickup-L3Eb)Dist.-103.2Kmc) Trip time-801ms relays Due to None	78.0MW load interrup. Khulna(S) 230/132kV end
01:33		BIPTC S/S 20DF13 Tripped showing 21R relays Due to Tripped by impedence 21R	
01:40		Bogura 400/230kV S/S Bogura - Naogaon 230 kV Ckt-2 Tripped showing Lockout-1 tripLockout-2 trip relays Due to Zone-1 Trip	
02:19		Ghorasal- Ishwardi 230 kV Ckt-2 Tripped from Ishurdi 230/132kV end showing Siemence Siprotec 7SA87 relays.	
02:38		Bogura 230/132kV S/S Confidance UN-2 Tripped showing Overvoltage tripped (143.7kV) relays Due to None	
02:45		Sirajgonj 225MW CCPP Unit-1 Tripped with remarks:- ST	
02:45		Sirajganj unit-1 ST tripped.	
04:38	04:42	Mirpur-Uttara 3PH 132kV Ckt-1 Tripped from Mirpur 132/33kV end showing OV/DTT Trip relays Due to Grid Voltage High	
04:43		Mirpur-Uttara 3PH 132kV Ckt-1 Scheduled S/D from Mirpur 132/33kV end Due to By NLDC	
04:45		Maniknagar 230/132kV S/S Auto Transformer-02 (715T) HT Tripped showing WTI/OTI Relay relays Due to WTI/OTI Fault	
04:45		Maniknagar 230/132kV S/S Auto Transformer-02 (715T) LT Tripped showing WTI/OTI Relay relays Due to WTI/OTI Fault	
04:56		Bogura 400/230kV S/S Bogura - Kaliakoir 400 kV Ckt-1 Forced S/D Due to Reduce system voltage	
04:56		Bogura 400/230kV S/S Bogura - Kaliakoir 400 kV Ckt-2 Forced S/D Due to Reduce system voltage	
05:10	05:42	Bhaluka 132/33kV S/S 03. Transformer-03 HT Tripped showing 50N/51N Trip relays.	2.0MW load interrup.
05:45		Sirajgonj 225MW CCPP Unit-1 Synchronized with remarks:- False SMS (GT Running & STG SD at 02.45 am)	
06:00		Cumilla(N) 230/132/33kV S/S 230KV ATR-02 HT Tripped showing Main-1: Mechanical Fault tripMain-2:Mechanical Fault TripAVR:Pressure relif device trip relays.	
06:00		Minimum Generation is 7746 MW.	
07:10		Narail 132/33kV S/S TR2 (413-T) LT Scheduled S/D Due to Red hot maintenance	15.0MW load interrup.
07:10		Saidpur 132/33kV S/S TR-3 (424T) LT Scheduled S/D Due to Red hot maintainance.	20.0MW load interrup.
07:11		Narail 132/33kV S/S TR2 (413-T) HT Scheduled S/D Due to Red hot maintenance	15.0MW load interrup.
07:11		Saidpur 132/33kV S/S TR-3 (424T) HT Scheduled S/D Due to Red hot maintainance.	20.0MW load interrup.

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division