



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

Date : 09-05-2020

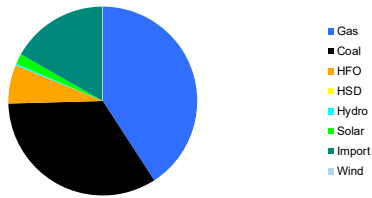
Power Supply Scenario

| | | | | | | |
|-------------------------------|----------|----|-----------|--------------------------|-----------|--------|
| Day Peak Generation | 12601.97 | MW | 12:00 Hr. | Energy Generated | 312.61592 | MKWHr. |
| Day Peak Demand | 12642.97 | MW | 12:00 Hr. | Energy Unserviced | 0.70700 | MKWHr. |
| Evening Peak Generation | 15288 | MW | 19:30 Hr. | Energy Demand | 313.32292 | MKWHr. |
| Evening Peak Demand | 15414 | MW | 19:30 Hr. | Maximum Temperature | 35.00 | °C |
| Minimum Generation of the Day | 11022.18 | MW | 09:00 Hr. | Total Gas Supplied | 939.58 | MMCFD |
| Maximum Generation of the Day | 15288 | MW | 19:30 Hr. | Production Cost per KWHR | 6.03188 | Tk. |

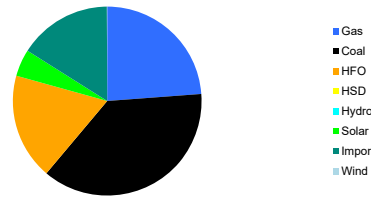
Zone-wise Generation Summary (MKWHr.)

| | Gas | Coal | HFO | HSD | Hydro | Solar | Import | Wind | Total |
|-----------------|---------------|---------------|--------------|-------------|-------------|-------------|--------------|-------------|---------------|
| Dhaka Zone | 33.79 | 0.00 | 10.23 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 44.26 |
| Chattogram Zone | 4.69 | 42.24 | 2.56 | 0.00 | 0.98 | 0.03 | 0.00 | 0.06 | 50.56 |
| Cumilla Zone | 30.74 | 0.00 | 2.77 | 0.00 | 0.00 | 0.51 | 3.32 | 0.00 | 37.33 |
| Mymensingh Zone | 0.13 | 0.00 | 2.16 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 2.67 |
| Sylhet Zone | 28.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 28.56 |
| Khulna Zone | 4.88 | 25.91 | 0.00 | 0.00 | 0.00 | 0.66 | 21.26 | 0.00 | 52.72 |
| Barishal Zone | 8.25 | 36.11 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 44.75 |
| Rajshahi Zone | 16.76 | 0.00 | 1.38 | 0.00 | 0.00 | 1.68 | 27.71 | 0.00 | 47.53 |
| Rangpur Zone | 0.00 | 1.17 | 1.28 | 0.00 | 0.00 | 1.80 | 0.00 | 0.00 | 4.25 |
| Total | 127.72 | 105.43 | 20.76 | 0.00 | 0.98 | 5.38 | 52.29 | 0.06 | 312.62 |

Fuel-Wise Generation Summary



Cost-Wise Generation Summary



Production Cost (Tk.)

| Fuel | Tk. | Fuel | Tk. |
|---------------|----------------------|--------|-------------|
| Gas | 448843742.8 | Hydro | 97920 |
| Coal | 704306907.8 | Solar | 86804250.56 |
| HFO | 343092900.3 | Import | 301591755 |
| HSD | 0 | Wind | 922861.27 |
| Total: | 188,56,60,337 | | Tk. |

E-W Interconnector & Import Scenario

| | | | | | | | |
|--------------------------------|-------|-------------|--|--------|-----------|--------------|--------------------------|
| Energy Flow from East to West: | KWHr: | 0 | Import through HVDC C/B Interconnector: | MKWHr: | 21.261818 | Peak Hr Flow | 880.00 MW at 19:30 hrs. |
| Energy Flow from West to East: | KWHr: | 53045618.18 | Import through Adani C/B Interconnector: | MKWHr: | 27.709091 | Peak Hr Flow | 1452.00 MW at 19:30 hrs. |
| Flow during Peak Demand (W-E): | MW: | 2375 | Import through Cumilla C/B Interconnector: | MKWHr: | 3.32104 | Peak Hr Flow | 144.00 MW at 19:30 hrs. |
| Maximum Power Flow (W-E): | MW: | 2909 | Total Import through C/B Interconnector: | MKWHr: | 52.291949 | Peak Hr Flow | 2476.00 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 | 0 | 5672 |
| Chattogram | 0 | 1496 |
| Cumilla | 0 | 1471 |
| Mymensingh | 121 | 1132 |
| Sylhet | 0 | 619 |
| Khulna | 0 | 1584 |
| Barishal | 0 | 474 |
| Rajshahi | 0 | 1490 |
| Rangpur | 0 | 944 |
| Total | 121 | 14882 |

Status of unavailable Power Plant

| Planned S/D | | | Forced S/D | | |
|-----------------------------------|------------------------|------------|--------------|------------|----------|
| Sl | Plant Name | Capacity | Sl | Plant Name | Capacity |
| 1 | Baghabani 100 MW GTTP | 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 |
|-------------|------------------|---|--|
| 08:28 | 12:30 | Kulaura 132/33kV S/S TR-2 LT Scheduled S/D Due to PDB bus DS maintenance.shutdown taken by PDB authority. | 10.0MW load interrupt. |
| 08:28 | 12:30 | Kulaura 132/33kV S/S TR-2 HT Scheduled S/D Due to PDB bus DS maintenance.shutdown taken by PDB authority. | 10.0MW load interrupt. |
| 08:35 | 15:03 | Khulna (S)-Satkhira 132kV Ckt-1 Scheduled S/D from Satkhira 132/33kV end Due to 110v DC system installation work and from Khulna(S) 230/132kVend. | 43.0MW load interrupt. Satkhira 132/33kV end |
| 08:35 | 15:06 | Khulna (S)-Satkhira 132kV Ckt-2 Scheduled S/D from Satkhira 132/33kV end Due to 110v DC system installation work and from Khulna(S) 230/132kVend. | 42.5MW load interrupt. Satkhira |



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132/33kV end

| | | | |
|-------|-------|--|------------------------|
| 08:39 | 13:48 | Benapole-Jashore 132 kV Ckt-1 Forced S/D from Benapole 132/33kV end Due to VT MCB fail Maintenance and from Jashore 132/33kVend. | |
| 09:10 | 18:13 | Tongi 230/132/33kV S/S T-04 LT Scheduled S/D | |
| 09:10 | 18:13 | Tongi 230/132/33kV S/S T-04 HT Scheduled S/D | |
| | 09:17 | Feni 132/33kV S/S T-1(405T) LT is restored. | |
| | 09:17 | Feni 132/33kV S/S T-1(405T) HT is restored. | |
| 09:19 | 12:06 | Daudkandi 132/33kV S/S Transformer-2 LT Scheduled S/D Due to 33 kV bay extension works by Comilla PBS-3 | 60.0MW load interrupt. |
| 09:20 | 12:53 | Savar 132/33kV S/S T-1 LT Scheduled S/D | |
| 09:20 | 12:04 | Daudkandi 132/33kV S/S Transformer-2 HT Scheduled S/D Due to 33 kV bay extension works by Comilla PBS-3 | 60.0MW load interrupt. |
| 09:21 | 12:51 | Savar 132/33kV S/S T-1 HT Scheduled S/D | |
| 09:22 | 16:03 | Savar 132/33kV S/S T-2 LT Scheduled S/D | |
| 09:23 | 16:02 | Savar 132/33kV S/S T-2 HT Scheduled S/D | |
| 09:26 | 16:10 | Savar 132/33kV S/S T-3 LT Scheduled S/D | |
| 09:27 | 16:08 | Savar 132/33kV S/S T-3 HT Scheduled S/D | |
| 09:28 | 16:06 | Savar 132/33kV S/S T-4 LT Scheduled S/D | |
| 09:31 | 16:04 | Savar 132/33kV S/S T-4 HT Scheduled S/D | |
| 09:35 | 21:14 | Baghabari-Sirajganj 230 kV Ckt-1 Scheduled S/D from Baghabari 230/132kV end Due to DFDR Commissioning work and from Sirajganj 230 end Due to DFDR commitioning and testing Baghabari end | |
| 09:40 | 16:00 | Savar 132/33kV S/S Main Bus-I Scheduled S/D | |
| 09:42 | 10:58 | Bogura-Bogura (New)) 132 kV Ckt-1 Scheduled S/D from Bogura 132/33kV end Due to New Bogura-1 Sf6 gas pressar meetar repair and from Bogura 230/132kV end Due to Old Bogura132 Kv Substation issue. | |
| 09:44 | 13:54 | Savar 132/33kV S/S Bus-A Scheduled S/D | |
| 09:45 | 16:01 | Savar 132/33kV S/S Bus-B Scheduled S/D | |
| 10:02 | | Mymensingh 132/33kV S/S Transformer-2 (414T) HT Scheduled S/D Due to For oil Centrifuse | |
| | 10:03 | Chandpur 132/33kV S/S 402T (T-01) HT is restored. | |
| | 10:03 | Chandpur 132/33kV S/S 402T (T-01) LT is restored. | |
| | 10:03 | Chandpur 132/33kV S/S 402T (T-01) LT is restored. | |
| 11:05 | 11:25 | Lalmonirhat 132/33kV S/S T-2 (415T) HT Forced S/D Due to Transformer breaker Commission | |
| | 11:30 | Chuadanga 132/33kV S/S 132kV Tr. T2(426T) HT is restored. | |
| | 11:31 | Chuadanga 132/33kV S/S 132kV Tr. T3 HT is restored. | |
| | 11:31 | Chuadanga 132/33kV S/S 132kV Tr. T3 LT is restored. | |
| | 11:36 | Chuadanga 132/33kV S/S 132kV Tr. T2(426T) LT is restored. | |
| 11:41 | 13:56 | Chuadanga 132/33kV S/S 132kV Tr. T1(416T) HT Scheduled S/D Due to 33kV Busbar Maintenance. | 45.0MW load interrupt. |
| 11:42 | 13:58 | Chuadanga 132/33kV S/S 132kV Tr. T1(416T) LT Scheduled S/D Due to 33kV Busbar Maintenance. | 45.0MW load interrupt. |
| 12:00 | | Day Peak Generation is 12599 MW. | |
| 12:20 | 19:17 | Kabirpur -Tongi 132kV Ckt-2 Project Work S/D from Tongi 230/132/33kV end Due to Project work | |
| 12:27 | 16:05 | Sreepur 230/132/33kV S/S 132/33 kV T-2 HT Project Work S/D Due to R phase CT Oil Leakage Maintenance | |
| 12:27 | 16:06 | Sreepur 230/132/33kV S/S 132/33 kV T-2 LT Project Work S/D Due to R phase CT Oil Leakage Maintenance | 10.0MW load interrupt. |
| 13:24 | 18:04 | Gopalganj-Madhumati 132kV Ckt-1 Project Work S/D from Gopalganj 132/33kV end Due to Main bus connection of T3 | |
| 13:26 | 17:48 | Gopalganj 132/33kV S/S Gopalganj 100 MW PS Project Work S/D Due to Main bus connection of T3 | |



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|--------|------------|--|---|
| 13:26 | 17:52 | Gopalganj 132/33kV S/S Gallamari-1 Project Work S/D Due to Bus connection of T3 | 1.0MW load interrupt. |
| 13:27 | 17:55 | Gopalganj 132/33kV S/S Gallamari-2 Project Work S/D Due to Bus connection of T 3 | 1.0MW load interrupt. |
| 13:29 | 17:24 | Gopalganj (O) - Gopalgan (N) Ckt-1 Scheduled S/D from Gopalganj 400/132kV end. and from Gopalganj 132/33kV end Due to Bus connection of T3 | and 40.0MW load interrupt. Gopalganj 132/33kV end |
| 13:38 | 17:24 | Gopalganj 132/33kV S/S Main Bus Project Work S/D Due to Bus connection of T3 | 82.0MW load interrupt. |
| 13:38 | 17:39 | Gopalganj- Gopalganj(N) 132kV Ckt-2 Scheduled S/D from Gopalganj 400/132kV end. and from Gopalganj 132/33kV end Due to Bus connection of T3 | and 40.0MW load interrupt. Gopalganj 132/33kV end |
| 14:51 | | Shahjibazar 330 MW CAPP GT was sync. | |
| 16:27 | 16:40 | Cumilla(S) 132/33kV S/S TR-4 LT Tripped showing REF615 relays Due to FEEDER FAULT | 30.0MW load interrupt. |
| 16:27 | 16:40 | Cumilla(S) 132/33kV S/S TR-3 HT Tripped showing REF 615 relays Due to Feeder fault | 30.0MW load interrupt. |
| 16:36 | | Coxsazar 132/33kV S/S T3 HT is restored. | |
| 17:02 | | Haripur EGCB 412 MW CAPP ST was sync. | |
| 17:02 | | Haripur 412 MW CAPP Synchronized with remarks:- ST | |
| 18:06 | | Dhaka University - Rampura 132kV ckt-1 Tripped from Rampura 230/132kV end showing 87L trip21 tripZ com trip relays Due to N/A | |
| 18:22 | | Barishal-Barishal(N) 132 kV Ckt-1 is restored. | |
| 19:42 | | Baroaulia-Hathazari 132 kV Ckt-1 is restored. | |
| 20:31 | 21:42 | Kabirpur -Tongi 132kV Ckt-1 Scheduled S/D from Tongi 230/132/33kV end Due to SCADA integration | |
| 22:21 | 23:46 | Srinagar 132/33kV S/S Tr-02 LT Scheduled S/D Due to Red Hot Maintenance by PBS at Feeder No -05 | 12.0MW load interrupt. |
| 22:23 | 23:44 | Srinagar 132/33kV S/S Tr-02 HT Scheduled S/D Due to Red Hot Maintenance by PBS at Feeder No -05 | 12.0MW load interrupt. |
| 02:02 | | Ashuganj 450 MW CAPP(South) Synchronized with remarks:- GT | |
| 04:52 | 05:10 | Brahmanbaria 132/33kV S/S 402T LT Tripped showing EF & OC relays. | 70.0MW load interrupt. |
| 06:00 | | Minimum generation 12244 MW | |
| 07:00 | 08:00 | Bogura-Rahanpur 400kV Ckt-2 Project Work S/D from Bogura 400/230kV end Due to Energy Meter Change at Rahanpur and from Rahanpur 400/132kV end Due to Due to check energy meter change. | |
| 07:37 | | Barishal-Barishal(N) 132 kV Ckt-1 Scheduled S/D from Barishal 132/33kV end Due to Ofcn work and from Barishal 230/132kVend. | |
| 07:53 | | Faridpur 132/33kV S/S Transformer-1 LT Scheduled S/D | 25.0MW load interrupt. |
| 07:53 | | Faridpur 132/33kV S/S Transformer-1 HT Scheduled S/D | 25.0MW load interrupt. |

Sub-Divisional Engineer
Network Operation Division

Executive Engineer
Network Operation Division

Superintendent Engineer
Network Operation Division