National Load Despatch Centre

POWER SYSTEM OPERATION CORPORATION LIMITED

(A Government of India Enterprise)

CIN No.: U40105DL2009GOI188682

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report Date: 27th Sept 2019

To,

1. कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033
   Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. कार्यपालक निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
   Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई – 400093
   Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यपालक निदेशक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
   Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु – 560009
   Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 16th Sep–2019 to 22nd Sep-2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 16 सितम्बर-2019 से 22 सितम्बर-2019, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उप्लब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 16th Sep-2019 to 22nd Sept-2019, is available at the NLDC website.

Thanking You.

Yours faithfully,

GM (SO)

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
## राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

**साप्ताहिक रिपोर्ट ( 16 सितम्बर से 22 सितम्बर 2019 तक)** **रिपोर्टिंग तिथि:- 27-Sep-19**

**(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)**

**1. अधिकतम मांग आपूर्त और अधिकतम कमी (मे०वा०)**

| क्षेत्र | उत्तरी क्षेत्र | | पश्चिमी क्षेत्र | | दक्षिणी क्षेत्र | | पूर्वी क्षेत्र | | पूर्वोत्तर क्षेत्र | | कुल | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| दिनांक | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी | अधिकतम मांग आपूर्ति | आधिकतम कमी |
| | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) | (मे०वा०) |
| 16-09-2019 | 58896 | 2826 | 45195 | | 39574 | | 22771 | | 2729 | 184 | 169165 | 3010 |
| 17-09-2019 | 58759 | 2346 | 44408 | | 39308 | | 21679 | | 2759 | 115 | 166913 | 2461 |
| 18-09-2019 | 58521 | 1136 | 44953 | | 39955 | | 21509 | 150 | 2766 | 80 | 167704 | 1366 |
| 19-09-2019 | 56749 | 1662 | 45099 | | 38283 | | 22766 | 100 | 2917 | 90 | 165814 | 1852 |
| 20-09-2019 | 56477 | 2268 | 45505 | | 39016 | | 22635 | 101 | 2917 | 153 | 166550 | 2522 |
| 21-09-2019 | 54594 | 2265 | 45517 | | 38700 | 70 | 21696 | 55 | 2864 | 139 | 163371 | 2529 |
| 22-09-2019 | 51633 | 541 | 43492 | | 36783 | | 20900 | | 2487 | 234 | 155295 | 775 |

**2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)**

| क्षेत्र / तिथि | उत्तरी क्षेत्र | | पश्चिमी क्षेत्र | | दक्षिणी क्षेत्र | | पूर्वी क्षेत्र | | पूर्वोत्तर क्षेत्र | | कुल | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ऊर्जा आपूर्ति | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन | ऊर्जा आपूर्ति | पनबिजली उत्पादन |
| | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) | (मि०यू०) |
| 16-09-2019 | 1341 | 327 | 1022 | 126 | 913 | 169 | 479 | 144 | 51 | 27 | 3806 | 794 |
| 17-09-2019 | 1328 | 322 | 1024 | 116 | 888 | 149 | 459 | 135 | 50 | 27 | 3749 | 750 |
| 18-09-2019 | 1287 | 306 | 1019 | 118 | 856 | 156 | 437 | 127 | 52 | 26 | 3651 | 734 |
| 19-09-2019 | 1245 | 296 | 1017 | 124 | 846 | 154 | 469 | 140 | 56 | 24 | 3633 | 738 |
| 20-09-2019 | 1276 | 296 | 1020 | 115 | 860 | 155 | 485 | 140 | 55 | 20 | 3695 | 727 |
| 21-09-2019 | 1269 | 292 | 1022 | 110 | 867 | 156 | 460 | 135 | 55 | 21 | 3674 | 714 |
| 22-09-2019 | 1125 | 268 | 989 | 117 | 834 | 155 | 434 | 134 | 50 | 21 | 3432 | 695 |

**3. आवृत्ति (प्रतिशत समय में)**

| तिथि | 49.8-49.9 | <49.9 | 49.9-50.05 | >50.05 | Average | FVI |
|---|---|---|---|---|---|---|
| | ऑ० इं० ग्रिड | ऑ० इं० ग्रिड | ऑ० इं० ग्रिड | ऑ० इं० ग्रिड | ऑ० इं० ग्रिड | ऑ० इं० ग्रिड |
| 16-09-2019 | 6.46 | 6.90 | 80.58 | 12.52 | 50.00 | 0.032 |
| 17-09-2019 | 2.63 | 2.63 | 75.69 | 21.68 | 50.02 | 0.025 |
| 18-09-2019 | 6.03 | 8.63 | 76.67 | 14.70 | 49.99 | 0.051 |
| 19-09-2019 | 2.43 | 3.26 | 81.76 | 14.98 | 50.01 | 0.027 |
| 20-09-2019 | 8.46 | 9.27 | 82.36 | 8.37 | 49.98 | 0.037 |
| 21-09-2019 | 5.01 | 6.85 | 78.81 | 14.34 | 49.99 | 0.042 |
| 22-09-2019 | 2.59 | 2.66 | 74.75 | 22.59 | 50.02 | 0.028 |

***NEW & SR grid running in synchronisation.**

**4. NEW ELEMENTS COMMISSIONED**

| NIL |
|---|

**5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)**

| Region | Date | 16-09-2019 | | 17-09-2019 | | 18-09-2019 | | 19-09-2019 | | 20-09-2019 | | 21-09-2019 | | 22-09-2019 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | States | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage | Max. Demand Met during the day | Peak hr Shortage |
| NR | Punjab | 10814 | 0 | 10776 | 0 | 10612 | 0 | 9875 | 0 | 10168 | 0 | 10163 | 0 | 9530 | 0 |
| | Haryana | 9925 | 0 | 9614 | 0 | 9543 | 0 | 9151 | 0 | 9443 | 0 | 9191 | 0 | 8136 | 0 |
| | Rajasthan | 10995 | 0 | 10977 | 0 | 11097 | 0 | 10827 | 0 | 10630 | 0 | 10729 | 0 | 9779 | 0 |
| | Delhi | 6155 | 0 | 6027 | 0 | 5829 | 0 | 5526 | 0 | 5365 | 0 | 5244 | 0 | 4623 | 0 |
| | UP | 19141 | 1410 | 18980 | 0 | 17764 | 0 | 17849 | 0 | 18375 | 900 | 18337 | 0 | 17201 | 0 |
| | Uttarakhand | 1973 | 0 | 1841 | 0 | 1871 | 0 | 1915 | 0 | 1947 | 0 | 1963 | 0 | 1631 | 0 |
| | HP | 1423 | 0 | 1394 | 0 | 1517 | 0 | 1467 | 0 | 1498 | 0 | 1458 | 0 | 1340 | 0 |
| | J&K | 2249 | 562 | 2226 | 556 | 2928 | 586 | 2155 | 539 | 1927 | 482 | 2018 | 505 | 2163 | 541 |
| | Chandigarh | 328 | 0 | 297 | 0 | 279 | 0 | 259 | 0 | 262 | 0 | 245 | 0 | 245 | 0 |
| WR | Chhattisgarh | 4240 | 0 | 3970 | 0 | 4023 | 0 | 4232 | 0 | 4366 | 0 | 4360 | 0 | 4385 | 0 |
| | Gujarat | 13692 | 0 | 13896 | 0 | 14370 | 0 | 14427 | 0 | 14490 | 0 | 14085 | 0 | 12883 | 0 |
| | MP | 8107 | 0 | 7743 | 0 | 8213 | 0 | 8141 | 0 | 8047 | 0 | 7915 | 0 | 7778 | 0 |
| | Maharashtra | 18579 | 0 | 18793 | 0 | 18468 | 0 | 17627 | 0 | 17897 | 0 | 18218 | 0 | 17598 | 0 |
| | Goa | 541 | 0 | 541 | 0 | 541 | 0 | 541 | 0 | 541 | 0 | 541 | 0 | 541 | 0 |
| | DD | 321 | 0 | 317 | 0 | 337 | 0 | 305 | 0 | 333 | 0 | 322 | 0 | 303 | 0 |
| | DNH | 797 | 0 | 771 | 0 | 811 | 0 | 783 | 0 | 777 | 0 | 792 | 0 | 765 | 0 |
| | Essar steel | 315 | 0 | 299 | 0 | 363 | 0 | 267 | 0 | 327 | 0 | 5808 | 0 | 314 | 0 |
| SR | Andhra Pradesh | 7768 | 0 | 7360 | 0 | 7445 | 0 | 7289 | 0 | 7314 | 0 | 7311 | 0 | 7128 | 0 |
| | Telangana | 9384 | 0 | 9526 | 0 | 8043 | 0 | 7869 | 0 | 7807 | 0 | 7959 | 0 | 7646 | 0 |
| | Karnataka | 10069 | 0 | 9084 | 0 | 9343 | 0 | 8714 | 0 | 9106 | 0 | 9289 | 0 | 8258 | 0 |
| | Kerala | 3457 | 0 | 3455 | 0 | 3398 | 0 | 3419 | 0 | 3439 | 0 | 3472 | 0 | 3315 | 0 |
| | Tamil Nadu | 13019 | 0 | 12874 | 0 | 13510 | 0 | 13540 | 0 | 13857 | 0 | 13250 | 0 | 11809 | 0 |
| | Pondy | 351 | 0 | 330 | 0 | 371 | 0 | 352 | 0 | 355 | 0 | 364 | 0 | 331 | 0 |
| ER | Bihar | 5512 | 0 | 5125 | 0 | 5039 | 0 | 5372 | 0 | 5540 | 0 | 5242 | 0 | 5099 | 0 |
| | DVC | 2998 | 0 | 2820 | 0 | 2816 | 0 | 2900 | 0 | 2971 | 0 | 2968 | 0 | 3017 | 0 |
| | Jharkhand | 1190 | 0 | 1313 | 0 | 1220 | 0 | 1302 | 0 | 1255 | 0 | 1211 | 0 | 1233 | 0 |
| | Odisha | 4946 | 0 | 4842 | 0 | 5147 | 0 | 5136 | 0 | 4740 | 0 | 4542 | 0 | 4297 | 0 |
| | West Bengal | 8680 | 0 | 8463 | 0 | 8214 | 0 | 8929 | 0 | 8913 | 0 | 8606 | 0 | 8022 | 0 |
| | Sikkim | 100 | 0 | 90 | 0 | 100 | 0 | 98 | 0 | 88 | 0 | 93 | 0 | 80 | 0 |
| NER | Arunachal Pradesh | 129 | 7 | 130 | 1 | 129 | 1 | 128 | 2 | 125 | 2 | 118 | 1 | 105 | 2 |
| | Assam | 1722 | 64 | 1794 | 110 | 1788 | 88 | 1917 | 75 | 1890 | 86 | 1853 | 80 | 1646 | 169 |
| | Manipur | 159 | 8 | 144 | 2 | 165 | 1 | 149 | 1 | 161 | 3 | 154 | 1 | 140 | 4 |
| | Meghalaya | 310 | 4 | 313 | 0 | 308 | 0 | 302 | 0 | 368 | 0 | 352 | 0 | 311 | 0 |
| | Mizoram | 81 | 6 | 69 | 1 | 91 | 1 | 89 | 1 | 92 | 1 | 85 | 2 | 82 | 2 |
| | Nagaland | 127 | 7 | 129 | 1 | 133 | 1 | 132 | 2 | 129 | 2 | 138 | 1 | 121 | 2 |
| | Tripura | 297 | 18 | 295 | 1 | 289 | 2 | 298 | 1 | 340 | 10 | 295 | 2 | 221 | 10 |

## 6. Energy Consumption in States (MUs)

| Region | States | 16-09-2019 | 17-09-2019 | 18-09-2019 | 19-09-2019 | 20-09-2019 | 21-09-2019 | 22-09-2019 |
|---|---|---|---|---|---|---|---|---|
| NR | Punjab | 238.1 | 239.6 | 243.0 | 224.0 | 225.2 | 227.9 | 216.8 |
| | Haryana | 212.7 | 209.7 | 208.4 | 200.4 | 200.8 | 196.3 | 169.5 |
| | Rajasthan | 243.9 | 245.4 | 245.5 | 240.5 | 242.4 | 237.8 | 222.2 |
| | Delhi | 124.6 | 125.1 | 121.0 | 113.9 | 113.4 | 108.1 | 94.0 |
| | UP | 405.3 | 393.2 | 351.9 | 350.6 | 375.3 | 378.5 | 316.7 |
| | Uttarakhand | 41.0 | 38.2 | 37.7 | 40.2 | 40.8 | 41.0 | 33.6 |
| | HP | 29.6 | 30.0 | 31.5 | 30.5 | 29.8 | 31.0 | 27.0 |
| | J&K | 39.7 | 41.2 | 42.2 | 39.1 | 42.7 | 43.0 | 40.0 |
| | Chandigarh | 6.0 | 5.9 | 5.8 | 5.4 | 5.2 | 5.2 | 5.2 |
| WR | Chhattisgarh | 97.0 | 89.8 | 90.6 | 95.8 | 100.0 | 101.4 | 103.6 |
| | Gujarat | 301.1 | 311.6 | 316.1 | 320.2 | 321.0 | 314.9 | 294.1 |
| | MP | 172.7 | 167.7 | 169.8 | 174.1 | 173.2 | 172.9 | 162.8 |
| | Maharashtra | 407.9 | 412.2 | 399.2 | 386.2 | 383.2 | 389.6 | 386.6 |
| | Goa | 11.8 | 11.3 | 11.5 | 11.5 | 11.5 | 11.8 | 11.0 |
| | DD | 7.1 | 7.2 | 7.4 | 6.2 | 7.4 | 7.4 | 7.0 |
| | DNH | 18.6 | 18.1 | 18.7 | 18.4 | 18.1 | 18.4 | 18.1 |
| | Essar steel | 5.5 | 5.7 | 5.6 | 5.0 | 6.0 | 5.8 | 6.1 |
| SR | Andhra Pradesh | 172.8 | 162.7 | 159.2 | 153.8 | 152.4 | 159.3 | 156.6 |
| | Telangana | 199.8 | 194.5 | 161.5 | 167.1 | 165.1 | 167.0 | 169.4 |
| | Karnataka | 188.3 | 179.8 | 177.7 | 171.9 | 177.6 | 180.1 | 169.8 |
| | Kerala | 67.7 | 69.2 | 68.4 | 68.6 | 70.0 | 70.3 | 66.3 |
| | Tamil Nadu | 276.8 | 274.6 | 282.1 | 277.0 | 287.2 | 282.9 | 264.6 |
| | Pondy | 7.4 | 6.9 | 7.5 | 7.4 | 7.4 | 7.5 | 7.0 |
| ER | Bihar | 108.4 | 93.4 | 79.2 | 96.1 | 104.5 | 98.8 | 93.1 |
| | DVC | 64.1 | 61.8 | 61.1 | 63.1 | 64.4 | 65.3 | 63.9 |
| | Jharkhand | 25.1 | 25.1 | 25.4 | 26.2 | 26.6 | 25.7 | 26.4 |
| | Odisha | 105.3 | 103.0 | 105.7 | 109.6 | 105.0 | 93.3 | 86.8 |
| | West Bengal | 175.3 | 174.9 | 164.1 | 172.8 | 183.4 | 176.2 | 162.8 |
| | Sikkim | 1.0 | 1.1 | 1.2 | 1.1 | 1.0 | 1.1 | 0.8 |
| NER | Arunachal Pradesh | 2.2 | 2.1 | 2.3 | 2.3 | 2.2 | 2.1 | 2.0 |
| | Assam | 31.6 | 31.4 | 33.1 | 36.1 | 35.5 | 36.2 | 31.4 |
| | Manipur | 2.6 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.3 |
| | Meghalaya | 5.4 | 5.3 | 5.3 | 5.5 | 5.7 | 5.8 | 5.9 |
| | Mizoram | 1.6 | 1.6 | 1.6 | 1.7 | 1.8 | 1.6 | 1.7 |
| | Nagaland | 2.1 | 2.1 | 2.3 | 2.4 | 2.2 | 2.2 | 2.1 |
| | Tripura | 5.9 | 5.3 | 5.2 | 5.8 | 5.0 | 5.1 | 4.8 |
| **ALL INDIA TOTAL** | | **3805.8** | **3748.9** | **3650.9** | **3632.8** | **3695.5** | **3673.8** | **3431.8** |

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
## राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट ( 16 सितम्बर से 22 सितम्बर 2019 तक)

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतक्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-) ]

| दिनांक | 16-09-2019 | 17-09-2019 | 18-09-2019 | 19-09-2019 | 20-09-2019 | 21-09-2019 | 22-09-2019 |
|---|---|---|---|---|---|---|---|
| East to North | -99.0 | -104.9 | -100.0 | -89.9 | -86.6 | -93.1 | -87.9 |
| East to West | 41.6 | 36.8 | 36.7 | 29.7 | 41.8 | 31.7 | 35.1 |
| East to South | -23.3 | -29.7 | -38.9 | -30.9 | -26.2 | -30.0 | -44.1 |
| East to North-East | -1.1 | -4.6 | -6.0 | -8.1 | -15.2 | -14.1 | -11.0 |
| North-East to North | -9.2 | -14.2 | -14.5 | -12.6 | -14.5 | -14.6 | -15.9 |
| West to North | -203.4 | -187.2 | -162.9 | -161.6 | -196.7 | -191.0 | -151.9 |
| West to South | 1.0 | -13.0 | -15.4 | -6.5 | 6.7 | 7.4 | -10.9 |

# भूटान , नेपाल एव बाग्लादेश के साथ अतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH

## साप्ताहिक रिपोर्ट ( 16 सितम्बर से 22 सितम्बर 2019 तक)

अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-) ] Transnational Exchange from India (Import=(+ve) /Export =(-ve))

| दिनांक Date | भूटान BHUTAN | | नेपाल NEPAL | | | बांग्लादेश BANGLADESH | | |
|---|---|---|---|---|---|---|---|---|
| | Energy Exchange | Day Average (MW) | Energy Exchange | Day Peak (MW) | Day Average (MW) | Energy Exchange | Day Peak (MW) | Day Average (MW) |
| **16-09-2019** | 43.7 | 1820 | -5.3 | -342 | -219 | -25.7 | -1096 | -1073 |
| **17-09-2019** | 43.1 | 1795 | -4.6 | -215 | -191 | -25.9 | -1106 | -1080 |
| **18-09-2019** | 45.2 | 1883 | -3.9 | -301 | -161 | -25.9 | -1111 | -1079 |
| **19-09-2019** | 44.1 | 1838 | -3.0 | -264 | -125 | -25.6 | -1116 | -1068 |
| **20-09-2019** | 42.3 | 1761 | -5.9 | -344 | -247 | -25.6 | -1109 | -1068 |
| **21-09-2019** | 45.3 | 1885 | -4.3 | -314 | -177 | -25.8 | -1125 | -1076 |
| **22-09-2019** | 45.2 | 1885 | -5.2 | -332 | -218 | -26.1 | -1159 | -1089 |
| **कुल Total** | **308.8** | | **-32.1** | | | **-180.8** | | |

## 8). Major Grid Incidences (Provisional):-

| S.No. | Region | Name of Elements (Tripped/Manually opened) | Owner / Agency | Outage | | Revival | | Outage Duration | Event *(As reported)* | Generation Loss(MW) | Load Loss(MW) | Category as per CEA Grid Standards |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Date | Time | Date | Time | Time | | | | |
| 1 | WR | 400/220kV 500 MVA ICT-5<br>400KV Padghe-Boisar line<br>220kV Padghe Bus 2<br>220/100kV 200 MVA ICT-1<br>220/100kV 200 MVA ICT-3<br>220KV Padghe-Jambhul-2<br>220kV Padghe-Jinda line | MSETCL | 18-Sep-19 | 11:50 | 18-Sep-19 | 13:19 | 01:29 | As reported by SLDC Maharashtra at 11:50hrs/18.09.2019, 220kV Bus-2, Half section of Bus-1 along with 400/220kV ICT-5, 400kV Boisar line, 220kV Jambhul Ckt-2, 220kV Jinda line, 220/100kV ICT-1 and ICT-3 tripped Due to Busbar protection operation at Padghe Substation, where sparking observed at 220kV Side of ICT-5 before tripping. | 0 | 100 | **GD-1** |
| 2 | WR | 400kV Koyna Stage IV-Lonikhand<br>400 kV Koyna StageIV- Jejuri S/C<br>400kV Koyna Stage IV-New Koyna-I<br>400kV Koyna Stage IV-New Koyna-II<br>400kV New Koyna-Dabhol-I<br>400kV New Koyna –Dabhol-II<br>400/220kV 315 MVA ICT-1 at New Koyna<br>400/220kV 315 MVA ICT-2 at New Koyna<br>Koyna Stage IV unit-2<br>Koyna Stage IV unit-3<br>Koyna Stage IV unit-4 | MSEB | 21-Sep-19 | 18:29 | 21-Sep-19 | 18:53 | 00:24 | As reported by SLDC Kalwa, at 18:29hrs while taking 400kV Koyna Stage IV- Lonikhand into service(which was opened in the night hours to control high voltages) all feeders from Stage IV tripped and also two ICTs at New Koyna tripped on back up protection.<br>400kV New Koyna –Dabhol -1 &2 also tripped on Z-3 protection only at Dabhol end.<br>The running units 2,3 &4 at Koyna Stage –IV tripped resulting in about 600MW generation loss | 600 | 0 | **GD-1** |
| 3 | NER | 132 kV Dimapur-Bokajan (Assam)<br>132 kV Golaghat-Bokajan (Assam) | AEGCL | 21-Sep-19 | 22:53 | 21-Sep-19 | 23:03 | 00:10 | At 22:53 Hrs of 21/09/2019, 132 kV Dimapur-Bokajan (Dimapur:Yph ,Z-I ,2.9 KM;Bokajan : E/F) & 132 kV Golaghat-Bokajan (Dimapur: E/F ; Bokajan : E/F) TL tripped resulting in blackout of 132 kV Bokajan S/S.Due to this incident Bokajan area of Assam was affected. Load loss of around 20 MW was observed. No generation loss. | 0 | 20 | **GD-1** |
| 4 | WR | 400/220kV 315 MVA ICT-1 at Astha<br>400/220kV 315 MVA ICT-2 at Astha<br>220kV Astha Bus-1<br>220kV Astha Bus-2<br>220kV Astha-Mugliyachap S/C<br>220kV Astha-Bhopal S/C<br>220kV Astha—Dewas-1<br>220kV Astha-Dewas-2<br>220kV Astha-Indore(Jetpura)-1<br>220kV Astha-Indore(Jetpura)-2<br>220kV Astha-Shajapur-1<br>220kV Astha-Shajapur-2<br>220/132kV 160 MVA ICT-1<br>220/132kV 160 MVA ICT-2<br>220/33kV 100MVA Transformer | MPPTCL | 21-Sep-19 | 14:58 | 21-Sep-19 | 15:51 | 00:53 | As reported by SLDC, Madhya Pradesh, at 14:58hrs R-phase PT of 220kv Main Bus-1 at Astha S/S burst resulting in tripping of both the buses at 220kV and all associated feeders | 0 | 20 | **GD-1** |
| 5 | WR | 400/220kV 315 MVA ICT-1 at Julwania<br>220kV Julwania(400/220kV) Bus-1<br>220kV Julwania(400/220kV)-Julwania Interconnector-1<br>220kV Julwania(400/220kV)-Nimrani S/C<br>220kV Julwania(400/220kV) – Senndwa-1<br>220kV Julwania(400/220kV) – Senndwa-2<br>220/132kV 160 MVA ICT-1 at Julwania(400/220kV) S/S | MPPTCL | 22-Sep-19 | 18:28 | 22-Sep-19 | 19:55 | 01:27 | As reported by SLDC, Madhya Pradesh, at 18:28hrs B-phase CT of 220kv Julwania(400/220kV)-Julwania(220/132kV) interconnector-1 at Julwania(400/220kV) S/S burst resulting in tripping of the bus-1 at 220kV and all associated feeders.<br>220kV Julwania(400/220kV)-Omkareshwar feeder had been out prior to the event on Voltage control. | 0 | 0 | **GI-1** |
| 6 | ER | 400 KV Haldia-Subhasgram II | WBSETCL | 21-Sep-19 | 12:43 | 21-Sep-19 | 13:04 | 00:21 | At 12:43 Hrs, 400 KV Haldia-Subhasgram II tripped due to R_Y_N fault (400 KV Haldia-Subhasgram I under shutdown ). Consequently, both running units(2*300 MW) at HEL tripped due to loss of evacuation path. Generation loss of 536 MW occurred. | 536 | 0 | **GD-1** |