



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: 07th Aug 2020

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., डोंगतिह, 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 27th July 2020 to 02nd Aug-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 27 जुलाई -2020 से 02 अगस्त -2020, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उपलब्ध 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 27th July 2020 to 02nd Aug-2020 is available at the NLDC website.

Thanking You.

Yours faithfully,

Sr.DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (27 जुलाई 2020 से 02 अगस्त 2020 तक)

रिपोर्टिंग तिथि:-

7-Aug-20

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

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

| दिनांक | उत्तरी क्षेत्र | | पश्चिमी क्षेत्र | | दक्षिणी क्षेत्र | | पूर्वी क्षेत्र | | पूर्वोत्तर क्षेत्र | | कुल | |
|------------|------------------------------|---------------------|------------------------------|---------------------|------------------------------|---------------------|------------------------------|---------------------|------------------------------|---------------------|------------------------------|---------------------|
| | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) | अधिकतम मांग आपूर्ति (मे०वा०) | अधिकतम कमी (मे०वा०) |
| 27-07-2020 | 59884 | 939 | 45341 | | 37479 | | 21692 | | 2607 | 169 | 167003 | 1108 |
| 28-07-2020 | 61544 | 454 | 45004 | | 36811 | | 20986 | | 2692 | 101 | 167037 | 555 |
| 29-07-2020 | 58369 | 498 | 45148 | | 36164 | | 21427 | | 2679 | 8 | 163787 | 506 |
| 30-07-2020 | 56176 | 467 | 45160 | | 37223 | | 22249 | | 2671 | 6 | 163479 | 473 |
| 31-07-2020 | 58778 | 545 | 44942 | | 36513 | | 22670 | | 2680 | 9 | 165583 | 554 |
| 01-08-2020 | 55500 | 731 | 44562 | | 35427 | | 22815 | | 2709 | 7 | 161013 | 738 |
| 02-08-2020 | 56514 | 927 | 43648 | | 30795 | | 22809 | 138 | 2720 | 113 | 156486 | 1178 |

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

| क्षेत्र / तिथि | उत्तरी क्षेत्र | | पश्चिमी क्षेत्र | | दक्षिणी क्षेत्र | | पूर्वी क्षेत्र | | पूर्वोत्तर क्षेत्र | | कुल | |
|----------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|
| | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) | ऊर्जा आपूर्ति (मि०यू०) | पनबिजली उत्पादन (मि०यू०) |
| 27-07-2020 | 1428 | 355 | 1066 | 25 | 872 | 95 | 468 | 141 | 49 | 28 | 3883 | 644 |
| 28-07-2020 | 1450 | 352 | 1089 | 28 | 897 | 102 | 445 | 131 | 51 | 31 | 3931 | 643 |
| 29-07-2020 | 1390 | 348 | 1072 | 23 | 860 | 87 | 436 | 139 | 51 | 31 | 3810 | 628 |
| 30-07-2020 | 1274 | 345 | 1083 | 25 | 870 | 90 | 450 | 143 | 49 | 31 | 3725 | 635 |
| 31-07-2020 | 1301 | 348 | 1083 | 14 | 891 | 90 | 460 | 146 | 50 | 30 | 3785 | 628 |
| 01-08-2020 | 1288 | 351 | 1068 | 21 | 844 | 86 | 459 | 142 | 50 | 31 | 3709 | 631 |
| 02-08-2020 | 1293 | 348 | 1060 | 18 | 764 | 67 | 468 | 147 | 53 | 31 | 3638 | 610 |

3. आवृत्ति (प्रतिशत समय में)

| तिथि | 49.8-49.9 | <49.9 | 49.9-50.05 | >50.05 | Average | FVI |
|------------|-----------|-----------|------------|-----------|-----------|-----------|
| | ऑ० ई० गिड | ऑ० ई० गिड | ऑ० ई० गिड | ऑ० ई० गिड | ऑ० ई० गिड | ऑ० ई० गिड |
| 27-07-2020 | 6.61 | 6.93 | 84.25 | 8.82 | 50.01 | 0.034 |
| 28-07-2020 | 8.46 | 9.39 | 81.78 | 8.83 | 49.99 | 0.037 |
| 29-07-2020 | 2.15 | 2.15 | 83.13 | 14.72 | 49.99 | 0.021 |
| 30-07-2020 | 4.55 | 5.14 | 79.07 | 15.79 | 49.99 | 0.035 |
| 31-07-2020 | 6.86 | 7.56 | 87.62 | 4.83 | 49.99 | 0.034 |
| 01-08-2020 | 3.82 | 4.14 | 87.36 | 8.50 | 49.99 | 0.024 |
| 02-08-2020 | 6.30 | 6.39 | 77.62 | 16.00 | 50.01 | 0.034 |

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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| |
| |

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

| Region | Date | 27-07-2020 | | 28-07-2020 | | 29-07-2020 | | 30-07-2020 | | 31-07-2020 | | 01-08-2020 | | 02-08-2020 | |
|--------|-------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|
| | 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 | 12360 | 0 | 12782 | 0 | 12991 | 0 | 10283 | 0 | 11279 | 0 | 10642 | 0 | 10702 | 0 |
| | Haryana | 9324 | 40 | 9855 | 0 | 9751 | 0 | 8109 | 0 | 8801 | 0 | 8524 | 0 | 8722 | 0 |
| | Rajasthan | 11697 | 0 | 12255 | 0 | 12648 | 0 | 12380 | 0 | 11486 | 0 | 11354 | 0 | 10986 | 0 |
| | Delhi | 5410 | 0 | 6101 | 0 | 5938 | 0 | 4908 | 0 | 5128 | 0 | 5049 | 0 | 5449 | 0 |
| | UP | 22853 | 100 | 22039 | 0 | 20284 | 0 | 21121 | 0 | 21334 | 0 | 20820 | 0 | 21687 | 0 |
| | Uttarakhand | 1861 | 0 | 1826 | 0 | 1731 | 0 | 1771 | 0 | 1765 | 0 | 1817 | 0 | 1711 | 0 |
| | HP | 1147 | 6 | 1330 | 0 | 1323 | 0 | 1316 | 0 | 1359 | 0 | 1301 | 0 | 1259 | 0 |
| | J&K | 2017 | 504 | 2260 | 565 | 2130 | 533 | 2001 | 500 | 2217 | 554 | 1963 | 491 | 2032 | 508 |
| | Chandigarh | 339 | 0 | 360 | 0 | 327 | 0 | 259 | 0 | 289 | 0 | 234 | 0 | 273 | 0 |
| WR | Chhattisgarh | 4439 | 0 | 4382 | 0 | 4404 | 0 | 4569 | 0 | 4565 | 0 | 4477 | 0 | 4392 | 0 |
| | Gujarat | 14249 | 0 | 14329 | 0 | 14785 | 0 | 14752 | 0 | 14670 | 0 | 14062 | 0 | 14236 | 0 |
| | MP | 10109 | 0 | 10169 | 0 | 9535 | 0 | 9833 | 0 | 9961 | 0 | 9926 | 0 | 9737 | 0 |
| | Maharashtra | 17119 | 0 | 17653 | 0 | 17792 | 0 | 17594 | 0 | 17499 | 0 | 16692 | 0 | 16710 | 0 |
| | Goa | 426 | 0 | 421 | 0 | 437 | 0 | 406 | 0 | 413 | 0 | 479 | 0 | 407 | 0 |
| | DD | 237 | 0 | 252 | 0 | 254 | 0 | 257 | 0 | 259 | 0 | 239 | 0 | 217 | 0 |
| | DNH | 636 | 0 | 640 | 0 | 645 | 0 | 649 | 0 | 645 | 0 | 617 | 0 | 588 | 0 |
| | Essar steel | 834 | 0 | 851 | 0 | 852 | 0 | 756 | 0 | 780 | 0 | 781 | 0 | 769 | 0 |
| | Andhra Pradesh | 7498 | 0 | 8296 | 0 | 7954 | 0 | 7960 | 0 | 8074 | 0 | 7320 | 0 | 7278 | 0 |
| SR | Telangana | 10677 | 0 | 11177 | 0 | 10098 | 0 | 10588 | 0 | 11034 | 0 | 10351 | 0 | 9569 | 0 |
| | Karnataka | 8340 | 0 | 8565 | 0 | 8672 | 0 | 8364 | 0 | 8746 | 0 | 8115 | 0 | 7520 | 0 |
| | Kerala | 3199 | 0 | 3135 | 0 | 2631 | 0 | 2977 | 0 | 2787 | 0 | 2871 | 0 | 2556 | 0 |
| | Tamil Nadu | 12571 | 0 | 12598 | 0 | 12037 | 0 | 12242 | 0 | 12957 | 0 | 11961 | 0 | 10169 | 0 |
| | Pondy | 373 | 0 | 349 | 0 | 348 | 0 | 357 | 0 | 352 | 0 | 355 | 0 | 309 | 0 |
| | Bihar | 5623 | 0 | 5563 | 0 | 5504 | 0 | 5242 | 0 | 5555 | 0 | 5869 | 0 | 5834 | 0 |
| ER | DVC | 2807 | 0 | 2835 | 0 | 2852 | 0 | 2967 | 0 | 3008 | 0 | 3053 | 0 | 3078 | 0 |
| | Jharkhand | 1402 | 0 | 1361 | 0 | 1420 | 0 | 1464 | 0 | 1460 | 0 | 1480 | 0 | 1552 | 138 |
| | Odisha | 4191 | 0 | 4214 | 0 | 4408 | 0 | 4462 | 0 | 4633 | 0 | 4355 | 0 | 4212 | 0 |
| | West Bengal | 8199 | 0 | 7912 | 0 | 7992 | 0 | 8304 | 0 | 8568 | 0 | 8682 | 0 | 8981 | 0 |
| | Sikkim | 85 | 0 | 82 | 0 | 81 | 0 | 79 | 0 | 85 | 0 | 87 | 0 | 80 | 0 |
| NER | Arunachal Pradesh | 105 | 0 | 103 | 0 | 98 | 1 | 95 | 2 | 97 | 1 | 97 | 1 | 91 | 1 |
| | Assam | 1674 | 137 | 1780 | 61 | 1779 | 30 | 1703 | 10 | 1738 | 8 | 1817 | 25 | 1797 | 98 |
| | Manipur | 177 | 1 | 197 | 2 | 197 | 1 | 190 | 1 | 190 | 1 | 172 | 2 | 184 | 1 |
| | Meghalaya | 293 | 0 | 290 | 0 | 289 | 0 | 288 | 0 | 345 | 0 | 287 | 0 | 282 | 0 |
| | Mizoram | 98 | 0 | 94 | 0 | 95 | 2 | 92 | 1 | 95 | 1 | 95 | 1 | 86 | 1 |
| | Nagaland | 115 | 1 | 124 | 0 | 115 | 2 | 125 | 2 | 125 | 0 | 126 | 2 | 123 | 1 |
| | Tripura | 269 | 1 | 268 | 1 | 268 | 1 | 278 | 1 | 265 | 3 | 264 | 2 | 286 | 0 |

6. Energy Consumption in States (MUs)

| Region | States | 27-07-2020 | 28-07-2020 | 29-07-2020 | 30-07-2020 | 31-07-2020 | 01-08-2020 | 02-08-2020 |
|------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| NR | Punjab | 278.4 | 292.2 | 291.2 | 230.1 | 244.8 | 239.6 | 234.7 |
| | Haryana | 202.1 | 216.7 | 211.4 | 170.0 | 182.8 | 187.1 | 186.2 |
| | Rajasthan | 250.7 | 266.5 | 273.8 | 260.7 | 244.7 | 242.9 | 242.0 |
| | Delhi | 112.7 | 117.5 | 111.9 | 101.7 | 105.7 | 98.5 | 101.6 |
| | UP | 469.1 | 443.9 | 388.7 | 399.3 | 403.8 | 406.7 | 415.3 |
| | Uttarakhand | 41.1 | 39.8 | 37.8 | 37.7 | 38.7 | 37.6 | 37.7 |
| | HP | 23.3 | 25.3 | 28.8 | 30.1 | 30.7 | 30.0 | 28.9 |
| | J&K | 44.2 | 41.2 | 40.5 | 39.0 | 43.6 | 40.5 | 41.5 |
| | Chandigarh | 6.5 | 6.6 | 6.2 | 5.5 | 5.7 | 5.0 | 4.9 |
| WR | Chhattisgarh | 104.6 | 102.4 | 101.9 | 108.1 | 109.7 | 105.9 | 107.0 |
| | Gujarat | 308.3 | 320.8 | 323.9 | 322.8 | 316.8 | 311.9 | 311.3 |
| | MP | 231.4 | 231.9 | 215.5 | 219.0 | 226.8 | 226.5 | 222.8 |
| | Maharashtra | 376.6 | 385.9 | 384.8 | 386.9 | 383.9 | 378.9 | 374.7 |
| | Goa | 8.6 | 8.8 | 8.9 | 8.7 | 8.4 | 8.7 | 9.0 |
| | DD | 5.0 | 5.4 | 5.4 | 5.5 | 5.5 | 5.3 | 4.9 |
| | DNH | 14.3 | 14.3 | 14.6 | 14.7 | 14.4 | 14.1 | 13.6 |
| | Essar steel | 17.5 | 19.4 | 17.3 | 16.8 | 17.6 | 17.2 | 17.1 |
| SR | Andhra Pradesh | 160.6 | 167.2 | 163.5 | 167.1 | 170.5 | 161.1 | 155.1 |
| | Telangana | 209.4 | 211.9 | 197.2 | 208.3 | 215.3 | 200.6 | 187.8 |
| | Karnataka | 156.9 | 165.1 | 163.9 | 161.2 | 164.8 | 156.6 | 140.7 |
| | Kerala | 65.4 | 66.0 | 60.3 | 59.7 | 58.7 | 59.4 | 54.6 |
| | Tamil Nadu | 272.2 | 279.2 | 268.2 | 266.1 | 274.3 | 258.2 | 219.5 |
| | Pondy | 7.7 | 7.6 | 7.2 | 7.3 | 7.7 | 7.6 | 6.5 |
| ER | Bihar | 115.1 | 99.4 | 105.4 | 103.2 | 105.6 | 109.6 | 115.1 |
| | DVC | 62.8 | 63.0 | 61.6 | 63.4 | 63.1 | 62.3 | 64.2 |
| | Jharkhand | 26.6 | 27.1 | 27.7 | 27.6 | 27.3 | 27.5 | 27.4 |
| | Odisha | 88.4 | 87.6 | 88.3 | 89.7 | 91.0 | 90.4 | 88.1 |
| | West Bengal | 174.1 | 167.1 | 152.5 | 164.9 | 172.3 | 168.6 | 172.3 |
| | Sikkim | 1.1 | 0.9 | 1.0 | 1.0 | 1.0 | 0.9 | 0.9 |
| NER | Arunachal Pradesh | 1.9 | 2.1 | 2.0 | 1.7 | 1.5 | 1.4 | 1.7 |
| | Assam | 30.4 | 32.1 | 31.9 | 30.2 | 31.9 | 32.6 | 34.3 |
| | Manipur | 2.7 | 2.6 | 2.6 | 2.7 | 2.6 | 2.6 | 2.8 |
| | Meghalaya | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.0 | 5.1 |
| | Mizoram | 1.5 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 |
| | Nagaland | 2.4 | 2.4 | 2.4 | 2.5 | 2.2 | 2.2 | 2.3 |
| | Tripura | 4.8 | 4.6 | 4.5 | 4.8 | 4.8 | 4.9 | 5.0 |
| ALL INDIA TOTAL | | 3883.3 | 3931.1 | 3809.5 | 3724.9 | 3784.8 | 3709.4 | 3637.7 |

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

साप्ताहिक रिपोर्ट (27 जुलाई 2020 से 02 अगस्त 2020 तक)

| (आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत) | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|
| 7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-)] | | | | | | | |
| दिनांक | 27-07-2020 | 28-07-2020 | 29-07-2020 | 30-07-2020 | 31-07-2020 | 01-08-2020 | 02-08-2020 |
| East to North | -110.8 | -116.7 | -107.9 | -103.2 | -116.2 | -113.2 | -109.2 |
| East to West | 22.0 | 23.4 | 23.2 | 33.5 | 27.0 | 27.9 | 49.8 |
| East to South | -88.6 | -103.7 | -105.5 | -102.0 | -99.6 | -94.4 | -80.7 |
| East to North-East | -3.5 | -4.5 | -9.2 | -7.8 | -8.4 | -8.5 | -9.2 |
| North-East to North | -12.1 | -14.3 | -16.9 | -17.3 | -17.0 | -16.8 | -17.1 |
| West to North | -243.9 | -228.4 | -212.0 | -166.7 | -180.1 | -190.4 | -192.4 |
| West to South | -36.0 | -70.3 | -59.0 | -45.6 | -42.6 | -19.5 | 8.5 |

**भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (27 जुलाई 2020 से 02 अगस्त 2020 तक)

| 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) |
| 27-07-2020 | 49.8 | 2076 | -1.6 | -228 | -66 | -26.1 | -1107 | -1089 |
| 28-07-2020 | 50.4 | 2101 | -2.3 | -202 | -96 | -25.8 | -1105 | -1076 |
| 29-07-2020 | 49.3 | 2054 | -0.5 | -132 | -19 | -25.6 | -1112 | -1068 |
| 30-07-2020 | 50.1 | 2086 | -0.9 | -218 | -37 | -25.8 | -1089 | -1075 |
| 31-07-2020 | 49.9 | 2081 | -1.7 | -65 | -69 | -25.8 | -1096 | -1075 |
| 01-08-2020 | 49.0 | 2043 | -0.5 | -71 | -19 | -23.6 | -1092 | -982 |
| 02-08-2020 | 53.1 | 2213 | -1.9 | -147 | -80 | -25.7 | -1086 | -1071 |
| कुल Total | 351.7 | | -9.3 | | | -178.5 | | |

Major Grid Incidence (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 | | | | | |
| 1 | NR | 1) 400 KV Singrauli(NT)-Lucknow(UP) (PG) Ckt-1 2) 400/220 kv 500 MVA ICT 1 at Lucknow(UP) 3) 400 KV Ummao-Lucknow (UP) Ckt-1 4) 400KV Bus 1 at Lucknow(UP) 5) 400/220 kv 500 MVA ICT 2 at Lucknow(UP) 6) 400KV Bus 2 at Lucknow(UP) 7) 400 KV Lucknow_(IPG) Lucknow(UP) (PG) Ckt-1 8) 400 KV Lucknow(UP)-Bareilly(PG) (PG) Ckt-1 9) 50 MVAR Bus Reactor No 1 at 400KV Lucknow(UP) | POWERGRID, UPPTCL | 28-Jul-20 | 17:38 | 28-Jul-20 | 18:58 | 01:20 | 400kv bus bar protection operated at 400/220KV Lucknow(UP) due to falling of kite wire on 400kv bus-coupler which caused operation of 400kv bus bar protection and tripped the associated elements. As per PMU, R-B fault is observed in the system. In antecedent conditions, 400/220 kv 500 MVA ICT 1 & 500 MVA ICT 2 at Lucknow(UP) carrying 226MW & 231MW respectively. | 0 | 0 | GI-2 |
| 2 | NR | 1) 220 kv Bhadia-Basp 2) 220 kv Bhadia-Badoid 3) 220 kv Bhadia-Saurya Urja Ckt-1 4) 220 kv Bhadia-Saurya Urja Ckt-2 | RRVPL | 29-Jul-20 | 16:01 | 29-Jul-20 | 16:35 | 00:34 | tripping of 220KV Bhadia(RS)-Badoid, 220kv Bhadia(RS)-Saurya Urja (Ckt 1&2) and 220kv Bhadia-Basp transmission lines lead to a generation loss of approximately 500MW. Supply failed due to snapping of jumper between Main Bus-1 and Main Bus-1 isolator at 220KV Bhadia. As per PMU, B-N fault is observed in the system. | 500 | 0 | GD-1 |
| 3 | NR | 1) 130 MW Parbati III HEP - UNIT 3 2) 130 MW Parbati III HEP - UNIT 2 3) 400 KV Parbati_2(NH)-Parbati Pooling Banala(PG) (PKTCL) Ckt-1 4) 130 MW Parbati III HEP - UNIT 4 5) 130 MW Parbati III HEP - UNIT 1 6) 400 KV Parbati_2(NH)-Sainj(JHP) (UNDEF) Ckt-1 7) Parbati II HEP - UNIT 2 8) 200 MW Parbati II HEP - UNIT 4 9) 50 MW Sainj HEP - UNIT 1 10) 50 MW Sainj HEP - UNIT 2 | HP, NHPC, PSTCL | 29-Jul-20 | 23:11 | 30-Jul-20 | 00:54 | 01:43 | Fire incident occurred at Bus Duct at Parbati II station leading to tripping of 400 KV Parbati_2(NH)-Parbati Pooling Banala(PG) (PKTCL) Ckt-1 and units at 400KV Parbati II, 400KV Parbati III & 400KV Sainj. Hydro generation loss of 700 MW (approx.) occurred at Parbati III(520MW), Parbati II(72MW) and Sainj(108MW). As per PMU, R-N fault with delayed clearance is observed in the system. In antecedent conditions, 400 KV Parbati_2(NH)-Parbati Pooling Banala(PG) (PKTCL) is carrying 212MW. | 700 | 0 | GD-1 |
| 4 | NR | 1) 220 kv Akal-Amarsagar 2) 220KV Akal-Mada 3) 220KV Amar Sagar-Mada | RRVPL | 31-Jul-20 | 19:47 | 31-Jul-20 | 19:52 | 00:05 | R-Phase jumper of 220KV Amar Sagar-Akal line broken leading to tripping of 220KV Amar Sagar-Akal, 220KV Akal-Mada & 220KV Amar Sagar-Mada. As per PMU, R-N fault is observed in the system. 220KV Amar Sagar-Akal, 220KV Akal-Mada & 220KV Amar Sagar-Mada carrying 198MW, 215MW & 180MW respectively. Wind generation loss of around 700MW is observed(as per SCADA data). | 700 | 0 | GD-1 |
| 5 | WR | Tripping of 1,220/66 kv 100MVA Kharadpada ICTs 2&3 2,66 kv Kharadpada-Athal | DNH | 28-Jul-20 | 13:13 | 28-Jul-20 | 13:22 | 00:09 | At 220/66 kv Kharadpada substation, 66 kv Kharadpada-Athal tripped on B-E fault. At the same time, 220/66 kv Kharadpada ICTs 2&3 tripped on Directional Earth fault protection operation. Due to the tripping of the ICTs, 142 MW load at 66 kv side got affected. | Nil | 142 | GI-1 |
| 6 | WR | Tripping of 1,400 kv Mapusa Bus 1 2,400 kv Kolhapur-Mapusa 1 | PGCL | 28-Jul-20 | 18:47 | 28-Jul-20 | 19:26 | 00:39 | At 400 kv Mapusa substation, 400 kv Mapusa Bus 1 tripped on LBB operation of 400 kv Kolhapur 1 Main bay during the R-E fault on 400 kv Kolhapur-Mapusa 1. LBB timer was found faulty during testing and the same was replaced. | Nil | Nil | GI-2 |
| 7 | NER | Kongba area of Manipur Power System | MSPL | 29-Jul-20 | 10:58 | 29-Jul-20 | 11:18 | 00:20 | Kongba area of Manipur Power System was connected with the rest of NER Grid through 132 kv Yiangangpokpi - Kongba line. 132 kv Kakching - Kongba line kept open for system requirement. At 10:58 Hrs on 29.07.2020, 132 kv Yiangangpokpi - Kongba line tripped. Due to tripping of this element, Kongba area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area. | 0 | 23 | GD 1 |
| 8 | NER | 132 kv Ningthoukhong - Churachandpur D/C | MSPL | 31-Jul-20 | 09:46 | 31-Jul-20 | 10:02 | 00:16 | Churachandpur Area of Manipur Power System was connected with the rest of NER Grid through 132 kv Ningthoukhong - Churachandpur D/C. 132 kv Kakching - Kongba line kept open for system requirement. At 09:46 Hrs on 31.07.2020, 132 kv Ningthoukhong - Churachandpur D/C tripped. Due to tripping of these elements, Churachandpur Area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area. | 0 | 24 | GD 1 |
| 9 | NER | 132 kv New Umtru - Umtru line 132 kv New Umtru - EPIP II line 132 kv Umium III-Umium IV ckt I 132 kv Umium III-Umium IV ckt II 132 kv Umium IV- Umtru ckt I 132 kv EPIP II-EPIP I ckt I 132 kv EPIP II-EPIP I ckt II. | MePTCL | 31-Jul-20 | 18:36 | 31-Jul-20 | 18:45 | 00:09 | New Umtru Area of Meghalaya Power System was connected with the rest of NER Grid through 132 kv New Umtru - Umtru line and 132 kv New Umtru - EPIP II line. At 18:36 Hrs on 31.07.2020, 132 kv New Umtru - Umtru line and 132 kv New Umtru - EPIP II line tripped. Due to tripping of these elements, New Umtru Area of Meghalaya Power System consisting of New Umtru HEP U-I and New Umtru HEP U-II was separated from rest of NER Grid and subsequently collapsed due to load-generation mismatch. At the same time, the following transmission lines tripped: 132 kv Umium III-Umium IV ckt I, 132 kv Umium III-Umium IV ckt II, 132 kv Umium IV- Umtru ckt I, 132 kv EPIP II-EPIP I ckt I, 132 kv EPIP II-EPIP I ckt II. At the same time, the following generations tripped: Umiam Stage 1 U-I, Umiam Stage 1 U-II, Umiam Stage 1 U-III, Umiam Stage 1 U-IV, Umiam Stage 2 U-I, Umiam Stage 2 U-II, thus giving a total of 96 MW (including New Umtru HEP U-I and New Umtru HEP U-II) generation loss in Meghalaya Power System | 96 | 0 | GD 1 |