



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: 27<sup>th</sup> Nov 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., डोंगतेह, 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 16<sup>th</sup> Nov-2020 to 22<sup>nd</sup> Nov-2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, 16 नवंबर -2020 से 22 नवंबर-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 16<sup>th</sup> Nov-2020 to 22<sup>nd</sup> Nov-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 (16 नवंबर 2020 से 22 नवंबर 2020 तक)

रिपोर्टिंग तिथि:- 27-Nov-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 | अधिकतम कमी | अधिकतम मांग आपूर्ति | अधिकतम कमी | अधिकतम मांग आपूर्ति | अधिकतम कमी | अधिकतम मांग आपूर्ति | अधिकतम कमी | अधिकतम मांग आपूर्ति | अधिकतम कमी | अधिकतम मांग आपूर्ति | अधिकतम कमी |
|            | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   | (मे०वा०)            | (मे०वा०)   |
| 16-11-2020 | 39468               | 1050       | 41846               |            | 34250               |            | 17501               |            | 2414                | 43         | 135479              | 1093       |
| 17-11-2020 | 42485               | 650        | 46633               |            | 36849               |            | 18208               |            | 2231                | 165        | 146406              | 815        |
| 18-11-2020 | 43418               | 548        | 48576               |            | 37751               |            | 18186               |            | 2433                | 6          | 150364              | 554        |
| 19-11-2020 | 43118               | 418        | 48866               |            | 38155               |            | 18345               |            | 2463                | 9          | 150947              | 427        |
| 20-11-2020 | 43168               | 350        | 48199               |            | 38349               |            | 17643               |            | 2472                | 10         | 149831              | 360        |
| 21-11-2020 | 43170               | 540        | 49756               |            | 38945               |            | 17650               |            | 2460                | 54         | 151981              | 594        |
| 22-11-2020 | 41881               |            | 47939               |            | 35061               |            | 16312               |            | 2329                | 75         | 143522              | 75         |

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)        |
| 16-11-2020     | 727            | 112             | 1015            | 23              | 747             | 74              | 345            | 48              | 41                 | 16              | 2874          | 273             |
| 17-11-2020     | 829            | 116             | 1107            | 24              | 774             | 74              | 349            | 49              | 41                 | 17              | 3099          | 279             |
| 18-11-2020     | 857            | 113             | 1151            | 33              | 807             | 77              | 357            | 52              | 41                 | 12              | 3213          | 288             |
| 19-11-2020     | 860            | 106             | 1172            | 35              | 832             | 74              | 360            | 55              | 42                 | 10              | 3266          | 281             |
| 20-11-2020     | 870            | 107             | 1167            | 34              | 855             | 88              | 357            | 46              | 42                 | 15              | 3290          | 290             |
| 21-11-2020     | 861            | 109             | 1164            | 36              | 855             | 85              | 349            | 46              | 42                 | 16              | 3271          | 292             |
| 22-11-2020     | 841            | 108             | 1151            | 24              | 814             | 82              | 336            | 42              | 40                 | 17              | 3181          | 274             |

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 |
| 16-11-2020 | 5.49      | 5.79      | 74.06      | 20.15     | 50.00     | 0.037     |
| 17-11-2020 | 2.73      | 2.73      | 81.23      | 16.04     | 50.00     | 0.026     |
| 18-11-2020 | 3.90      | 4.20      | 82.25      | 13.55     | 50.00     | 0.029     |
| 19-11-2020 | 4.19      | 4.19      | 83.13      | 12.69     | 50.00     | 0.024     |
| 20-11-2020 | 2.82      | 2.93      | 83.09      | 13.98     | 50.00     | 0.025     |
| 21-11-2020 | 5.61      | 5.61      | 78.04      | 16.34     | 50.00     | 0.032     |
| 22-11-2020 | 8.13      | 8.48      | 78.78      | 12.73     | 49.99     | 0.036     |

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

| Region     | Date              | 16-11-2020                     |                  | 17-11-2020                     |                  | 18-11-2020                     |                  | 19-11-2020                     |                  | 20-11-2020                     |                  | 21-11-2020                     |                  | 22-11-2020                     |                  |
|------------|-------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|
|            | 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            | 4669                           | 500              | 5060                           | 0                | 5151                           | 0                | 5217                           | 0                | 5033                           | 0                | 5357                           | 0                | 4953                           | 0                |
|            | Haryana           | 4883                           | 0                | 5432                           | 0                | 5752                           | 98               | 5705                           | 0                | 5748                           | 0                | 5680                           | 135              | 5305                           | 0                |
|            | Rajasthan         | 10804                          | 0                | 11680                          | 0                | 12008                          | 0                | 12406                          | 0                | 12293                          | 0                | 12445                          | 0                | 12219                          | 0                |
|            | Delhi             | 3116                           | 0                | 3115                           | 0                | 3371                           | 0                | 3350                           | 0                | 3566                           | 0                | 3302                           | 0                | 3373                           | 0                |
|            | UP                | 12896                          | 550              | 13742                          | 0                | 13795                          | 0                | 13742                          | 0                | 13652                          | 0                | 13659                          | 0                | 13265                          | 0                |
|            | Uttarakhand       | 1478                           | 0                | 1681                           | 0                | 1801                           | 0                | 1818                           | 0                | 1867                           | 0                | 1815                           | 0                | 1804                           | 0                |
|            | HP                | 1199                           | 0                | 1495                           | 0                | 1626                           | 0                | 1585                           | 0                | 1644                           | 0                | 1606                           | 0                | 1543                           | 18               |
|            | J&K               | 2038                           | 0                | 2405                           | 0                | 2683                           | 0                | 2503                           | 0                | 2339                           | 0                | 2433                           | 0                | 2461                           | 0                |
| Chandigarh | 173               | 0                              | 176              | 0                              | 181              | 0                              | 180              | 0                              | 188              | 0                              | 178              | 0                              | 168              | 0                              |                  |
| WR         | Chhattisgarh      | 3155                           | 0                | 3238                           | 0                | 3358                           | 0                | 3451                           | 0                | 3130                           | 0                | 3346                           | 0                | 3300                           | 0                |
|            | Gujarat           | 11615                          | 0                | 12749                          | 0                | 13417                          | 0                | 14268                          | 0                | 14713                          | 0                | 14585                          | 0                | 14714                          | 0                |
|            | MP                | 12656                          | 0                | 13277                          | 0                | 13402                          | 0                | 13111                          | 0                | 13422                          | 0                | 13724                          | 0                | 13572                          | 0                |
|            | Maharashtra       | 18851                          | 0                | 21212                          | 0                | 21812                          | 0                | 22751                          | 0                | 21482                          | 0                | 21557                          | 0                | 20931                          | 0                |
|            | Goa               | 509                            | 0                | 510                            | 0                | 510                            | 0                | 502                            | 0                | 516                            | 0                | 531                            | 0                | 454                            | 0                |
|            | DD                | 205                            | 0                | 304                            | 0                | 317                            | 0                | 328                            | 0                | 327                            | 0                | 329                            | 0                | 295                            | 0                |
|            | DNH               | 661                            | 0                | 753                            | 0                | 793                            | 0                | 785                            | 0                | 778                            | 0                | 792                            | 0                | 771                            | 0                |
|            | Essar steel       | 852                            | 0                | 779                            | 0                | 782                            | 0                | 901                            | 0                | 871                            | 0                | 855                            | 0                | 840                            | 0                |
| SR         | Andhra Pradesh    | 7314                           | 0                | 7414                           | 0                | 7516                           | 0                | 7772                           | 0                | 7940                           | 0                | 7933                           | 0                | 8192                           | 0                |
|            | Telangana         | 6768                           | 0                | 6823                           | 0                | 7075                           | 0                | 7199                           | 0                | 7202                           | 0                | 7119                           | 0                | 7038                           | 0                |
|            | Karnataka         | 8356                           | 0                | 8513                           | 0                | 9113                           | 0                | 9330                           | 0                | 10157                          | 0                | 10052                          | 0                | 9345                           | 0                |
|            | Kerala            | 3381                           | 0                | 3321                           | 0                | 3566                           | 0                | 3612                           | 0                | 3547                           | 0                | 3555                           | 0                | 3179                           | 0                |
|            | Tamil Nadu        | 10846                          | 0                | 11677                          | 0                | 12321                          | 0                | 12995                          | 0                | 12850                          | 0                | 13004                          | 0                | 11554                          | 0                |
|            | Pondy             | 344                            | 0                | 362                            | 0                | 353                            | 0                | 363                            | 0                | 351                            | 0                | 354                            | 0                | 322                            | 0                |
| ER         | Bihar             | 4380                           | 0                | 4551                           | 0                | 4459                           | 0                | 4270                           | 0                | 4171                           | 0                | 4104                           | 0                | 4218                           | 0                |
|            | DVC               | 3032                           | 0                | 3087                           | 0                | 3039                           | 0                | 3002                           | 0                | 2985                           | 0                | 3082                           | 0                | 3080                           | 0                |
|            | Jharkhand         | 1437                           | 0                | 1497                           | 0                | 1405                           | 0                | 1356                           | 0                | 1304                           | 0                | 1347                           | 0                | 1345                           | 0                |
|            | Odisha            | 3838                           | 0                | 3970                           | 0                | 3967                           | 0                | 3943                           | 0                | 3990                           | 0                | 3912                           | 0                | 3757                           | 0                |
|            | West Bengal       | 5991                           | 0                | 6302                           | 0                | 6322                           | 0                | 6547                           | 0                | 6606                           | 0                | 6196                           | 0                | 5439                           | 0                |
|            | Sikkim            | 76                             | 0                | 91                             | 0                | 105                            | 0                | 106                            | 0                | 112                            | 0                | 113                            | 0                | 97                             | 0                |
| NER        | Arunachal Pradesh | 117                            | 1                | 98                             | 1                | 109                            | 1                | 117                            | 2                | 119                            | 2                | 120                            | 2                | 113                            | 1                |
|            | Assam             | 1452                           | 21               | 1411                           | 51               | 1455                           | 3                | 1469                           | 3                | 1456                           | 6                | 1469                           | 7                | 1361                           | 35               |
|            | Manipur           | 197                            | 0                | 206                            | 0                | 215                            | 2                | 210                            | 1                | 222                            | 1                | 212                            | 2                | 206                            | 2                |
|            | Meghalaya         | 349                            | 2                | 323                            | 1                | 400                            | 0                | 349                            | 0                | 355                            | 0                | 350                            | 0                | 338                            | 0                |
|            | Mizoram           | 107                            | 1                | 109                            | 1                | 103                            | 2                | 102                            | 2                | 98                             | 2                | 99                             | 1                | 103                            | 1                |
|            | Nagaland          | 131                            | 0                | 135                            | 0                | 131                            | 1                | 123                            | 1                | 130                            | 2                | 123                            | 1                | 115                            | 1                |
| Tripura    | 237               | 2                              | 230              | 1                              | 217              | 2                              | 227              | 2                              | 224              | 3                              | 216              | 2                              | 214              | 0                              |                  |

## 6. Energy Consumption in States (MUs)

| Region                 | States            | 16-11-2020    | 17-11-2020    | 18-11-2020    | 19-11-2020    | 20-11-2020    | 21-11-2020    | 22-11-2020    |
|------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| NR                     | Punjab            | 83.9          | 95.9          | 100.3         | 101.4         | 100.4         | 101.4         | 97.4          |
|                        | Haryana           | 84.6          | 101.2         | 109.2         | 110.7         | 111.5         | 111.8         | 106.3         |
|                        | Rajasthan         | 208.0         | 224.9         | 228.2         | 230.4         | 231.8         | 233.6         | 230.0         |
|                        | Delhi             | 54.0          | 58.2          | 59.7          | 61.4          | 61.8          | 59.0          | 58.7          |
|                        | UP                | 205.0         | 237.1         | 243.0         | 238.5         | 244.9         | 237.4         | 237.7         |
|                        | Uttarakhand       | 26.1          | 31.8          | 34.0          | 35.0          | 35.6          | 35.1          | 33.4          |
|                        | HP                | 21.9          | 27.3          | 29.5          | 30.2          | 30.5          | 29.8          | 27.8          |
|                        | J&K               | 40.2          | 49.5          | 50.3          | 49.4          | 50.3          | 50.2          | 46.9          |
|                        | Chandigarh        | 2.9           | 3.0           | 3.1           | 3.1           | 3.1           | 3.1           | 2.9           |
| WR                     | Chhattisgarh      | 68.6          | 71.7          | 72.8          | 74.5          | 73.1          | 71.8          | 71.9          |
|                        | Gujarat           | 244.5         | 273.5         | 292.1         | 306.1         | 314.0         | 312.9         | 312.2         |
|                        | MP                | 257.0         | 274.9         | 274.8         | 270.0         | 271.4         | 271.9         | 270.8         |
|                        | Maharashtra       | 397.7         | 436.1         | 457.6         | 467.0         | 451.5         | 452.5         | 442.3         |
|                        | Goa               | 10.1          | 10.8          | 10.8          | 10.9          | 11.2          | 10.8          | 10.1          |
|                        | DD                | 4.3           | 6.1           | 7.0           | 7.2           | 7.3           | 7.2           | 6.8           |
|                        | DNH               | 14.6          | 16.7          | 17.9          | 18.0          | 18.1          | 18.1          | 17.9          |
|                        | Essar steel       | 18.2          | 17.6          | 17.8          | 18.4          | 20.0          | 18.6          | 18.8          |
| SR                     | Andhra Pradesh    | 153.5         | 158.1         | 162.8         | 167.5         | 171.3         | 170.0         | 167.8         |
|                        | Telangana         | 140.6         | 143.2         | 145.9         | 148.3         | 149.6         | 149.0         | 144.2         |
|                        | Karnataka         | 154.8         | 164.3         | 177.6         | 181.5         | 189.6         | 189.9         | 181.5         |
|                        | Kerala            | 71.5          | 69.0          | 70.3          | 72.1          | 72.5          | 71.4          | 64.2          |
|                        | Tamil Nadu        | 219.6         | 232.6         | 243.9         | 255.3         | 264.7         | 267.1         | 249.4         |
|                        | Pondy             | 6.6           | 6.9           | 7.1           | 7.1           | 7.2           | 7.3           | 6.7           |
| ER                     | Bihar             | 75.5          | 74.5          | 76.4          | 76.4          | 73.3          | 69.2          | 72.1          |
|                        | DVC               | 63.0          | 63.7          | 64.8          | 64.6          | 62.2          | 62.8          | 63.7          |
|                        | Jharkhand         | 26.1          | 25.3          | 25.2          | 24.9          | 23.8          | 24.1          | 24.3          |
|                        | Odisha            | 71.4          | 73.5          | 74.8          | 74.2          | 74.6          | 74.4          | 73.3          |
|                        | West Bengal       | 108.0         | 110.3         | 114.4         | 118.5         | 121.7         | 116.8         | 100.7         |
|                        | Sikkim            | 1.1           | 1.3           | 1.3           | 1.5           | 1.6           | 1.6           | 1.3           |
| NER                    | Arunachal Pradesh | 1.9           | 1.8           | 2.0           | 1.9           | 2.1           | 2.0           | 2.0           |
|                        | Assam             | 23.2          | 23.2          | 22.9          | 24.0          | 24.6          | 24.5          | 22.7          |
|                        | Manipur           | 2.7           | 2.6           | 2.6           | 2.7           | 1.8           | 2.5           | 2.8           |
|                        | Meghalaya         | 5.4           | 5.5           | 5.7           | 5.9           | 6.2           | 6.1           | 6.0           |
|                        | Mizoram           | 1.7           | 1.7           | 1.7           | 1.6           | 1.7           | 1.7           | 1.4           |
|                        | Nagaland          | 2.0           | 2.0           | 2.2           | 2.1           | 2.1           | 2.0           | 2.1           |
|                        | Tripura           | 3.7           | 3.8           | 3.6           | 3.6           | 3.6           | 3.5           | 3.3           |
| <b>ALL INDIA TOTAL</b> |                   | <b>2873.8</b> | <b>3099.5</b> | <b>3212.9</b> | <b>3265.8</b> | <b>3290.4</b> | <b>3270.9</b> | <b>3181.4</b> |

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

साप्ताहिक रिपोर्ट (16 नवंबर 2020 से 22 नवंबर 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              | 16-11-2020 | 17-11-2020 | 18-11-2020 | 19-11-2020 | 20-11-2020 | 21-11-2020 | 22-11-2020 |
|---------------------|------------|------------|------------|------------|------------|------------|------------|
| East to North       | -36.1      | -62.5      | -70.4      | -65.6      | -78.8      | -73.7      | -76.1      |
| East to West        | 54.8       | 36.6       | 27.0       | 34.8       | 39.2       | 38.6       | 40.3       |
| East to South       | -99.8      | -99.3      | -96.1      | -94.8      | -99.8      | -108.6     | -106.4     |
| East to North-East  | -6.4       | -4.1       | -7.1       | -13.6      | -7.3       | -8.7       | -9.6       |
| North-East to North | -10.9      | -8.6       | -7.3       | -10.5      | -9.8       | -10.9      | -10.9      |
| West to North       | -147.0     | -203.5     | -217.1     | -227.5     | -216.9     | -215.3     | -188.8     |
| West to South       | -70.5      | -72.0      | -64.9      | -52.4      | -69.8      | -70.6      | -65.7      |

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

**साप्ताहिक रिपोर्ट (16 नवंबर 2020 से 22 नवंबर 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) |
| 16-11-2020  | 14.2            | 591              | 0.1             | -36           | 4                | -19.6                 | -1023         | -815             |
| 17-11-2020  | 14.1            | 589              | -0.5            | -214          | -21              | -19.5                 | -1028         | -810             |
| 18-11-2020  | 13.1            | 545              | -0.7            | -193          | -29              | -19.2                 | -1010         | -800             |
| 19-11-2020  | 13.1            | 548              | -0.9            | -120          | -39              | -19.0                 | -1008         | -793             |
| 20-11-2020  | 13.4            | 557              | -0.8            | -173          | -32              | -14.6                 | -807          | -608             |
| 21-11-2020  | 12.8            | 535              | -0.6            | -234          | -25              | -13.9                 | -767          | -578             |
| 22-11-2020  | 12.8            | 535              | -1.5            | -317          | -64              | -14.6                 | -740          | -607             |
| कुल Total   | 93.6            |                  | -4.9            |               |                  | -120.3                |               |                  |

8). Major Grid Incidences (Provisional):-

| Sl. No. | Region | Name of Element<br>(Slipout/Minutely opened)                                                                                                                                                                                                                                                                                                                                                                      | Owner / Agency | Outage    |       | Revised   |       | Outage Duration | Cause<br>(As reported)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Generation<br>(Lack/MW) | Load loss(MW) | Category as per ITR<br>Grid Losses |
|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|-------|-----------|-------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|------------------------------------|
|         |        |                                                                                                                                                                                                                                                                                                                                                                                                                   |                | Date      | Time  | Date      | Time  |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |               |                                    |
| 1       | NR     | 1) 400 KV Akhanda GV(LUPC) Vishnuprayag(P) (LUP) Ckt-1 & 400 KV Akhanda GV(LUPC) Srinagar(LUK) Ckt-1 tripped due to over voltage. At the same time Akhanda(LUP) Unit-1 also tripped. As per PMU, no fault is observed. In antecedent condition, 400 KV Akhanda(LUPC) Vishnuprayag(P) (LUP) Ckt-1, 400 KV Akhanda GV(LUPC) Srinagar(LUK) Ckt-1 & Akhanda GV(LUPC) Unit-1 carrying 19MW, 10MW & 7.2MW respectively. | UTTAR PRADESH  | 16-Nov-20 | 04:45 | 16-Nov-20 | 08:01 | 03:16           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 71                      | 0             | GD-1                               |
| 2       | NR     | 1) 220 KV AD Hydro(AD) Phozal(P) (ADHP) Ckt-1<br>2) 220 KV Phozal(P) Nallagar(PG) (ADHP) Ckt-1<br>3) 220 KV AD Hydro(AD) Nallagar(PG) (ADHP) Ckt-1                                                                                                                                                                                                                                                                | BIHAR PRADESH  | 19-Nov-20 | 13:47 | 19-Nov-20 | 15:13 | 01:26           | 220 KV Phozal(P) Nallagar(PG) tripped due to B-N fault. Fault Current: 1.5 KA and fault distance: 170km from Nallagar towards Phozal end. At the same time, 220 KV AD Hydro(AD) Phozal(P) & 220 KV AD Hydro(AD) Nallagar(PG) tripped due to over voltage. As per PMU, V-B fault is observed. In antecedent condition, 220 KV AD Hydro(AD) Phozal(P) & 220 KV AD Hydro(AD) Nallagar(PG) carrying 6MW each.                                                                                                                           | 0                       | 0             | GD-2                               |
| 3       | NR     | 1) 800 KV HVDC Kurukshetra(PG) Pole-03<br>2) 800 KV HVDC Kurukshetra(PG) Pole-04<br>3) 800 KV HVDC Kurukshetra(PG) Pole-2                                                                                                                                                                                                                                                                                         | HARYANA        | 21-Nov-20 | 13:09 | 21-Nov-20 | 14:30 | 01:21           | 800 KV HVDC Kurukshetra(PG) Pole-2,3 & 4 blocked due to control mal-operation during power ramp down (from 3000 MW to 1700 MW). During power ramp-down AC Bus voltage soared up to the level of around 45kV. At this voltage TDC operated and one AC filter switched out. At the same time Pole-3 blocked due to control mal-operation. As per PMU, no fault is observed. In antecedent condition, 800KV HVDC Kurukshetra(PG) Pole-2,3 & 4 carrying 1750MW each.                                                                    | 0                       | 0             | GD-2                               |
| 4       | WR     | Tripping of 1.800 kv HVDC Champa Kurukshetra Poles 2,3&4                                                                                                                                                                                                                                                                                                                                                          | WR             | 21-Nov-20 | 13:10 | 21-Nov-20 | 13:59 | 00:49           | At 13:10 Hrs, on 21st Nov 2020, 800 KV Champa Kurukshetra Poles 3&4 blocked on Category A protection operation due to filter switch-in inhibit at Kurukshetra end. At the same time Pole 2 blocked on Category B protection operation initiated by Pole 4 as the Neutral Bus Switch (NBS) failed to open at Champa end                                                                                                                                                                                                              | -                       | -             | GD-2                               |
| 5       | ER     | 220 KV Sasaram Dehri S/C                                                                                                                                                                                                                                                                                                                                                                                          | Dehri          | 24-Nov-20 | 18:38 | 24-Nov-20 | 19:11 | 00:43           | 220 KV Sasaram Dehri S/C was under shutdown prior to the event. On 24th November 2020 at 18:28 hrs, tripping of 220 KV Sasaram - Dehri S/C resulted in total power failure at Dehri, Birkanganj, Banjari, Kudra, Keera, Tiro areas.                                                                                                                                                                                                                                                                                                 | 0                       | 154           | GD-1                               |
| 6       | SR     | i. 220KV Kochi Kalamashery line-1 and 2<br>ii. 220KV/110KV Transtam-1, 2, 3 and 4                                                                                                                                                                                                                                                                                                                                 | TAMIL NADU     | 25-Nov-20 | 22:53 | 26-Nov-20 | 03:22 | 4 hr 30 min     | Complete Outage of 220KV Kalamashery SS of KSB. During antecedent conditions, due to outage of 220KV Karamashery (K) line 1 and 2, 220KV Kalamashery (K) user category feed from 400KV/220KV Kochi, PG SS and flow in 220KV Kochi, PG Kalamashery line-1 and 2 were around 155MW each respectively. As per the report submitted, tripping incident was B phase to Earth fault in 220KV Kochi, PG Kalamashery line-1. After the tripping of 220KV Kochi, PG Kalamashery line-1, 220KV Kochi, PG Kalamashery line-2 was also tripped. | 0                       | 70            | GD-1                               |
| 7       | SR     | i. LBS at Srilatham RB<br>ii. 220KV Dindri line<br>iii. 220KV Komayyappalli line<br>iv. 220KV Mykkur line<br>v. 220KV Pochil line                                                                                                                                                                                                                                                                                 | ANDHRA PRADESH | 16-Nov-20 | 20:26 | 16-Nov-20 | 21:13 | 47 min          | Tripping of 220KV Bus-2 at Srilatham RB of APGENCO. Tripping incident was failure of CB of LBS at Srilatham RB. LBS operated resulting in the tripping of all the elements connected to Bus-2 at Srilatham RB. There was no generation at Srilatham RB during antecedent conditions.                                                                                                                                                                                                                                                | 0                       | 0             | GD-1                               |
| 8       | SR     | i. 230KV/110KV Transformer-1, 2 and 3<br>ii. 230KV Alanbur line-1 and 2<br>iii. 230KV Jamburthapuram                                                                                                                                                                                                                                                                                                              | TAMIL NADU     | 17-Nov-20 | 00:01 | 17-Nov-20 | 00:52 | 51 min          | Tripping of Bus-1 at 230KV Trichy TN SS of TANTRANSO. Tripping incident was B-N fault in 230KV Trichy TN Alanbur line-1. Due to non opening of breaker at 230KV Trichy TN end, LBS operated resulting in the tripping of all the elements connected to Bus-1 at 230KV Trichy TN SS.                                                                                                                                                                                                                                                 | 0                       | 0             | GD-1                               |
| 9       | NER    | 132 KV Ballpara - Tanga line                                                                                                                                                                                                                                                                                                                                                                                      | Andhra Pradesh | 17-Nov-20 | 14:00 | 17-Nov-20 | 14:10 | 00:10           | Khugi area of Andhra Pradesh Power System was connected with the rest of NER Grid through 132 KV Ballpara - Tanga line. At 14:00 Hrs on 17.11.2020, 132 KV Ballpara - Tanga line tripped. Due to tripping of this element, Khugi area of Andhra Pradesh Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Restoration Details: Power supply was extended to 132 KV Khugi Substation by charging of 132 KV Ballpara - Tanga line at 14:03 Hrs on 17.11.2020.            | 0                       | 18            | GD-4                               |
| 10      | NER    | 132 KV Ballpara - Tanga line                                                                                                                                                                                                                                                                                                                                                                                      | Andhra Pradesh | 17-Nov-20 | 14:41 | 17-Nov-20 | 22:34 | 07:53           | Khugi area of Andhra Pradesh Power System was connected with the rest of NER Grid through 132 KV Ballpara - Tanga line. At 14:41 Hrs on 17.11.2020, 132 KV Ballpara - Tanga line tripped. Due to tripping of this element, Khugi area of Andhra Pradesh Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Restoration Details: Power supply was extended to 132 KV Khugi Substation by charging of 132 KV Ballpara - Tanga line at 22:34 Hrs on 17.11.2020.            | 0                       | 17            | GD-4                               |
| 11      | NER    | BgTPP Unit-1                                                                                                                                                                                                                                                                                                                                                                                                      | Assam          | 18-Nov-20 | 18:41 | 18-Nov-20 | 20:30 | 01:49           | BgTPP Unit-1 tripped at 18:41 Hrs on 18.11.2020 due to tripping of Koller. Revision done from Block No.83 on 18-11-2020.                                                                                                                                                                                                                                                                                                                                                                                                            | 391                     | 0             | GD-2                               |
| 12      | NER    | Kemung Unit-2                                                                                                                                                                                                                                                                                                                                                                                                     | Andhra Pradesh | 20-Nov-20 | 08:59 | 20-Nov-20 | 09:00 | 00:01           | Kemung Unit-2 tripped at 08:59 Hrs on 20.11.20 due to tripping of GT. Revision done from Block No.15 on 20-11-2020.                                                                                                                                                                                                                                                                                                                                                                                                                 | 148                     | 0             | GD-2                               |
| 13      | NER    | Paklata Unit ST-1                                                                                                                                                                                                                                                                                                                                                                                                 | Tripura        | 21-Nov-20 | 04:22 | 21-Nov-20 | 06:00 | 01:38           | Paklata Unit ST-1 tripped at 04:22 Hrs on 21.11.20 due to Staker Earth Fault. Revision done from Block No.29 on 21.11.2020.                                                                                                                                                                                                                                                                                                                                                                                                         | 161                     | 0             | GD-2                               |
| 14      | NER    | Kemung Unit 2                                                                                                                                                                                                                                                                                                                                                                                                     | Andhra Pradesh | 22-Nov-20 | 22:09 | 23-Nov-20 | 01:00 | 01:51           | Kemung Unit 2 tripped at 22:09 Hrs on 22.11.20 due to operation of Generating Transformer Bushbar Relay. Revision done from Block No.05 on 23-11-2020.                                                                                                                                                                                                                                                                                                                                                                              | 127                     | 0             | GD-2                               |