



**National Load Despatch Centre**  
**पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**

(A wholly owned subsidiary of POWERGRID)

CIN No.: U40105DL2009GO1188682

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

Ref:POSOCO/NLDC/SO/Weekly Report

Date: 23<sup>rd</sup> March 2016

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033  
General Manager, 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. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह , लापालंग, शिलोंग - 793006  
General Manager, 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 14<sup>th</sup> March to 20<sup>th</sup> March 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 14 मार्च से 20 मार्च 2016, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके 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 14<sup>th</sup> March to 20<sup>th</sup> March 2016, is available at the NLDC website, at the following link.

<http://www.nldc.in/attachments/article/267/Weekly%20140316%20to%20200316.pdf>

Thanking You.

Yours faithfully,

f. DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (07 मार्च से 13 मार्च - 2016 तक)

रिपोर्टिंग तिथि:- 23-Mar-16

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

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

| क्षेत्र    | उत्तरी क्षेत्र      |            | पश्चिमी क्षेत्र     |            | दक्षिणी क्षेत्र     |            | पूर्वी क्षेत्र      |            | पूर्वोत्तर क्षेत्र  |            | कुल                 |            |
|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|---------------------|------------|
|            | 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)   |
| 14-03-2016 | 33017               | 1386       | 40175               | 119        | 36148               | 400        | 16387               | 331        | 2199                | 120        | 127926              | 2356       |
| 15-03-2016 | 34414               | 1791       | 40931               | 100        | 35895               | 1443       | 17156               | 300        | 2228                | 107        | 130624              | 3741       |
| 16-03-2016 | 34543               | 1860       | 41312               | 99         | 36494               | 1200       | 16840               | 100        | 2067                | 267        | 131256              | 3526       |
| 17-03-2016 | 35245               | 1185       | 42475               | 99         | 36848               | 1200       | 17414               | 687        | 2145                | 177        | 134127              | 3348       |
| 18-03-2016 | 34094               | 2014       | 41348               | 209        | 36402               | 1791       | 17865               | 483        | 2325                | 115        | 132034              | 4612       |
| 19-03-2016 | 34845               | 1816       | 41424               | 116        | 36893               | 500        | 16564               | 200        | 2320                | 106        | 132046              | 2738       |
| 20-03-2016 | 32849               | 800        | 39546               | 126        | 34973               | 400        | 17524               | 200        | 2138                | 105        | 127030              | 1631       |

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)        |
| 14-03-2016     | 734            | 139             | 968             | 24              | 887             | 75              | 370            | 28              | 37                 | 4               | 2997          | 270             |
| 15-03-2016     | 764            | 126             | 995             | 19              | 898             | 76              | 363            | 24              | 38                 | 4               | 3058          | 249             |
| 16-03-2016     | 783            | 118             | 990             | 18              | 901             | 71              | 362            | 22              | 36                 | 4               | 3072          | 233             |
| 17-03-2016     | 787            | 122             | 1015            | 20              | 905             | 73              | 365            | 20              | 39                 | 4               | 3111          | 239             |
| 18-03-2016     | 795            | 135             | 1021            | 25              | 907             | 74              | 364            | 18              | 39                 | 4               | 3126          | 255             |
| 19-03-2016     | 808            | 134             | 1011            | 21              | 904             | 72              | 362            | 14              | 40                 | 3               | 3125          | 245             |
| 20-03-2016     | 778            | 136             | 992             | 16              | 868             | 53              | 368            | 23              | 38                 | 3               | 3043          | 231             |

3. आवृत्ति (प्रतिशत समय में)

| तिथि       | 49.8-49.9   | <49.9       | 49.9-50.05  | >50.05      | Average     | FVI         |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            | ऑ० ई० ग्रिड | ऑ० ई० ग्रिड | ऑ० ई० ग्रिड | ऑ० ई० ग्रिड | ऑ० ई० ग्रिड | ऑ० ई० ग्रिड |
| 14-03-2016 | 6.38        | 7.94        | 70.32       | 21.74       | 50.00       | 0.050       |
| 15-03-2016 | 8.40        | 8.96        | 79.93       | 11.11       | 49.98       | 0.045       |
| 16-03-2016 | 4.29        | 4.72        | 75.74       | 19.54       | 50.00       | 0.038       |
| 17-03-2016 | 11.06       | 11.83       | 73.56       | 14.61       | 49.98       | 0.049       |
| 18-03-2016 | 9.77        | 12.06       | 67.43       | 20.51       | 49.99       | 0.059       |
| 19-03-2016 | 2.62        | 2.62        | 69.48       | 27.91       | 50.01       | 0.034       |
| 20-03-2016 | 2.95        | 3.17        | 67.07       | 29.76       | 50.02       | 0.041       |

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

|   |
|---|
| 1. 400 kV Patna-Kishanganj I & II first time charged at 0013 hrs on 15.3.16 and 2342 hrs on 14.3.16 respectively  |
| 2. LILO of 400 kV Binaguri-Purnea 3&4 at Kishanganj done at 1940 hrs and 2005 hrs respectively on 16.03.16  |
| 3. Power flow on 400 kV Surajmaninagar-Comilla (charged at 132 kV) commenced from 0039 hrs on 17.3.16   |
| 4. 765 kV Meerut-Greater Noida and 765 kV Agra-Greater Noida first time charged at 1935 hrs and 2055 hrs respectively on 17.3.16 (LILO of Agra-Meerut at Greater Noida) |
| 5. 400 kV Nellore PS - NCC line first time charged at 2208 hrs on 20.3.16   |

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

| Region | Date              | 14-03-2016                     |                  | 15-03-2016                     |                  | 16-03-2016                     |                  | 17-03-2016                     |                  | 18-03-2016                     |                  | 19-03-2016                     |                  | 20-03-2016                     |                  |
|--------|-------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|--------------------------------|------------------|
|        | 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            | 3721                           | 0                | 3979                           | 0                | 4008                           | 0                | 3902                           | 0                | 3954                           | 0                | 3935                           | 0                | 3690                           | 0                |
|        | Haryana           | 5611                           | 0                | 5317                           | 0                | 5750                           | 0                | 5592                           | 0                | 5451                           | 0                | 5821                           | 0                | 5374                           | 0                |
|        | Rajasthan         | 8786                           | 0                | 8993                           | 0                | 8954                           | 0                | 8993                           | 0                | 8972                           | 0                | 9098                           | 0                | 8873                           | 0                |
|        | Delhi             | 3122                           | 0                | 3226                           | 0                | 3228                           | 0                | 3122                           | 0                | 3372                           | 6                | 3236                           | 0                | 3007                           | 0                |
|        | UP                | 10302                          | 1690             | 10501                          | 1305             | 11186                          | 1630             | 11687                          | 1565             | 11523                          | 550              | 11619                          | 435              | 11745                          | 300              |
|        | Uttarakhand       | 1628                           | 0                | 1704                           | 0                | 1677                           | 0                | 1715                           | 0                | 1715                           | 0                | 1759                           | 0                | 1571                           | 0                |
|        | HP                | 1319                           | 0                | 1412                           | 0                | 1428                           | 0                | 1402                           | 0                | 1339                           | 0                | 1350                           | 0                | 1318                           | 0                |
|        | J&K               | 1922                           | 481              | 2059                           | 515              | 2080                           | 520              | 1977                           | 494              | 1953                           | 488              | 1986                           | 497              | 1926                           | 481              |
|        | Chandigarh        | 175                            | 0                | 182                            | 0                | 181                            | 0                | 184                            | 0                | 183                            | 0                | 176                            | 0                | 157                            | 0                |
| WR     | Chhattisgarh      | 3132                           | 0                | 3221                           | 96               | 3155                           | 96               | 3556                           | 96               | 3207                           | 0                | 2947                           | 96               | 3336                           | 0                |
|        | Gujarat           | 13239                          | 0                | 13193                          | 0                | 12973                          | 0                | 13304                          | 0                | 13574                          | 0                | 13663                          | 0                | 13130                          | 0                |
|        | MP                | 7127                           | 0                | 7687                           | 0                | 7797                           | 0                | 7691                           | 0                | 7983                           | 0                | 7938                           | 0                | 7904                           | 0                |
|        | Maharashtra       | 18940                          | 3                | 19304                          | 4                | 19295                          | 3                | 19618                          | 4                | 19275                          | 0                | 19363                          | 0                | 18476                          | 0                |
|        | Goa               | 425                            | 0                | 447                            | 0                | 453                            | 0                | 457                            | 0                | 467                            | 0                | 450                            | 0                | 403                            | 0                |
|        | DD                | 303                            | 0                | 304                            | 0                | 292                            | 0                | 305                            | 0                | 309                            | 0                | 311                            | 0                | 298                            | 0                |
|        | DNH               | 724                            | 0                | 718                            | 0                | 718                            | 0                | 732                            | 0                | 720                            | 0                | 728                            | 0                | 711                            | 0                |
|        | Essar steel       | 547                            | 0                | 598                            | 0                | 589                            | 0                | 547                            | 0                | 511                            | 0                | 545                            | 0                | 544                            | 0                |
| SR     | Andhra Pradesh    | 7016                           | 0                | 6919                           | 0                | 7075                           | 0                | 7050                           | 0                | 7234                           | 0                | 7075                           | 0                | 7087                           | 0                |
|        | Telangana         | 6252                           | 0                | 6415                           | 0                | 6255                           | 0                | 6419                           | 0                | 6590                           | 0                | 6493                           | 0                | 6447                           | 0                |
|        | Karnataka         | 9163                           | 600              | 8694                           | 1200             | 9037                           | 700              | 8985                           | 1000             | 8588                           | 1200             | 9009                           | 1500             | 8677                           | 400              |
|        | Kerala            | 3741                           | 0                | 3615                           | 0                | 3715                           | 0                | 3737                           | 0                | 3762                           | 0                | 3734                           | 0                | 3633                           | 125              |
|        | Tamil Nadu        | 14236                          | 0                | 14449                          | 0                | 14295                          | 0                | 14519                          | 0                | 14374                          | 0                | 14183                          | 0                | 13236                          | 0                |
|        | Pondy             | 332                            | 0                | 332                            | 0                | 339                            | 0                | 335                            | 0                | 333                            | 0                | 333                            | 0                | 298                            | 0                |
| ER     | Bihar             | 2875                           | 150              | 2997                           | 150              | 2672                           | 0                | 3129                           | 0                | 3081                           | 0                | 3189                           | 200              | 3311                           | 200              |
|        | DVC               | 2546                           | 0                | 2562                           | 0                | 2577                           | 0                | 2476                           | 0                | 2618                           | 0                | 2572                           | 0                | 3142                           | 0                |
|        | Jharkhand         | 961                            | 0                | 1034                           | 0                | 981                            | 0                | 949                            | 0                | 1020                           | 0                | 960                            | 0                | 899                            | 0                |
|        | Odisha            | 3617                           | 0                | 3982                           | 0                | 4144                           | 0                | 3529                           | 0                | 3942                           | 0                | 3909                           | 0                | 3882                           | 0                |
|        | West Bengal       | 6960                           | 31               | 6987                           | 0                | 6839                           | 0                | 6986                           | 0                | 7308                           | 0                | 6349                           | 0                | 6557                           | 0                |
|        | Sikkim            | 100                            | 0                | 115                            | 0                | 95                             | 0                | 106                            | 0                | 112                            | 0                | 111                            | 0                | 101                            | 0                |
| NER    | Arunachal Pradesh | 106                            | 2                | 108                            | 2                | 94                             | 1                | 94                             | 1                | 111                            | 0                | 107                            | 0                | 104                            | 1                |
|        | Assam             | 1282                           | 73               | 1343                           | 43               | 1220                           | 169              | 1272                           | 110              | 1320                           | 79               | 1293                           | 90               | 1298                           | 52               |
|        | Manipur           | 143                            | 2                | 146                            | 2                | 149                            | 1                | 144                            | 1                | 154                            | 0                | 125                            | 1                | 124                            | 1                |
|        | Meghalaya         | 301                            | 0                | 282                            | 0                | 285                            | 0                | 285                            | 0                | 277                            | 0                | 302                            | 0                | 265                            | 0                |
|        | Mizoram           | 78                             | 3                | 79                             | 1                | 84                             | 1                | 83                             | 2                | 82                             | 0                | 79                             | 3                | 73                             | 3                |
|        | Nagaland          | 98                             | 2                | 98                             | 1                | 96                             | 4                | 93                             | 2                | 98                             | 0                | 91                             | 0                | 89                             | 1                |
|        | Tripura           | 227                            | 2                | 222                            | 8                | 229                            | 1                | 218                            | 17               | 318                            | 1                | 336                            | 0                | 232                            | 0                |

## 6. Energy Consumption in States (MUs)

| Region                 | States            | 14-03-2016    | 15-03-2016    | 16-03-2016    | 17-03-2016    | 18-03-2016    | 19-03-2016    | 20-03-2016    |
|------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| NR                     | Punjab            | 74.3          | 80.1          | 81.4          | 81.6          | 83.4          | 83.5          | 75.4          |
|                        | Haryana           | 95.6          | 99.5          | 101.9         | 103.8         | 103.2         | 110.0         | 97.1          |
|                        | Rajasthan         | 193.1         | 194.4         | 197.7         | 190.7         | 196.8         | 200.5         | 190.7         |
|                        | Delhi             | 59.6          | 60.4          | 61.4          | 59.6          | 64.7          | 62.3          | 59.3          |
|                        | UP                | 212.3         | 228.2         | 238.4         | 247.3         | 242.1         | 255.4         | 255.0         |
|                        | Uttarakhand       | 31.4          | 32.7          | 32.5          | 33.3          | 34.3          | 33.2          | 31.6          |
|                        | HP                | 24.9          | 25.8          | 25.1          | 25.8          | 24.6          | 24.9          | 25.3          |
|                        | J&K               | 39.9          | 39.1          | 41.4          | 41.7          | 42.1          | 35.3          | 40.3          |
|                        | Chandigarh        | 3.2           | 3.3           | 3.4           | 3.3           | 3.3           | 3.3           | 3.0           |
| WR                     | Chhattisgarh      | 69.8          | 75.7          | 70.9          | 79.7          | 80.0          | 72.6          | 80.4          |
|                        | Gujarat           | 291.6         | 292.0         | 292.0         | 299.6         | 304.0         | 300.5         | 290.0         |
|                        | MP                | 157.7         | 165.6         | 167.1         | 171.1         | 171.4         | 170.0         | 169.8         |
|                        | Maharashtra       | 406.8         | 417.8         | 417.9         | 421.8         | 424.3         | 425.1         | 409.7         |
|                        | Goa               | 9.7           | 9.6           | 9.2           | 9.0           | 9.3           | 9.2           | 8.3           |
|                        | DD                | 6.6           | 6.8           | 6.5           | 6.8           | 7.0           | 6.9           | 6.6           |
|                        | DNH               | 15.1          | 15.2          | 15.3          | 15.5          | 15.1          | 15.6          | 16.4          |
|                        | Essar steel       | 11.1          | 12.4          | 11.2          | 11.6          | 10.3          | 11.2          | 11.0          |
| SR                     | Andhra Pradesh    | 151.5         | 154.6         | 155.6         | 159.1         | 157.5         | 158.8         | 155.3         |
|                        | Telangana         | 143.9         | 145.4         | 143.0         | 146.2         | 150.0         | 149.0         | 143.8         |
|                        | Karnataka         | 205.5         | 199.3         | 200.9         | 198.7         | 194.3         | 197.7         | 195.1         |
|                        | Kerala            | 74.0          | 73.5          | 73.0          | 73.6          | 74.5          | 75.0          | 70.3          |
|                        | Tamil Nadu        | 305.1         | 318.4         | 321.0         | 320.3         | 323.6         | 316.1         | 296.7         |
|                        | Pondy             | 6.8           | 7.1           | 7.1           | 7.1           | 7.2           | 7.1           | 6.6           |
| ER                     | Bihar             | 57.0          | 57.1          | 58.9          | 62.1          | 62.7          | 61.8          | 64.0          |
|                        | DVC               | 57.0          | 58.7          | 59.5          | 60.9          | 61.4          | 62.6          | 61.9          |
|                        | Jharkhand         | 19.6          | 22.8          | 22.8          | 22.2          | 22.1          | 22.0          | 20.6          |
|                        | Odisha            | 85.6          | 79.0          | 78.9          | 78.1          | 75.7          | 74.1          | 75.5          |
|                        | West Bengal       | 149.2         | 144.6         | 141.2         | 140.9         | 140.4         | 140.2         | 144.7         |
|                        | Sikkim            | 1.3           | 1.0           | 1.1           | 1.3           | 1.4           | 1.4           | 1.4           |
| NER                    | Arunachal Pradesh | 1.9           | 1.9           | 1.7           | 1.9           | 2.0           | 2.0           | 2.0           |
|                        | Assam             | 21.3          | 22.1          | 20.2          | 22.0          | 23.1          | 23.3          | 21.6          |
|                        | Manipur           | 2.3           | 2.3           | 2.3           | 2.6           | 2.3           | 1.9           | 2.0           |
|                        | Meghalaya         | 5.1           | 4.9           | 4.7           | 4.4           | 4.4           | 4.3           | 4.3           |
|                        | Mizoram           | 1.2           | 1.4           | 1.4           | 1.3           | 1.3           | 1.4           | 1.3           |
|                        | Nagaland          | 1.9           | 2.0           | 2.0           | 2.0           | 2.0           | 1.9           | 1.9           |
|                        | Tripura           | 3.5           | 3.5           | 3.4           | 4.5           | 4.0           | 4.8           | 4.8           |
| <b>ALL INDIA TOTAL</b> |                   | <b>2996.4</b> | <b>3058.2</b> | <b>3072.1</b> | <b>3111.2</b> | <b>3125.6</b> | <b>3124.9</b> | <b>3043.5</b> |

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

साप्ताहिक रिपोर्ट (07 मार्च से 13 मार्च - 2016 तक) [2]  
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

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

| दिनांक              | 14-03-2016 | 15-03-2016 | 16-03-2016 | 17-03-2016 | 18-03-2016 | 19-03-2016 | 20-03-2016 |
|---------------------|------------|------------|------------|------------|------------|------------|------------|
| East to North       | -24.4      | -21.9      | -36.3      | -32.0      | -28.0      | -7.0       | -2.0       |
| East to West        | -0.3       | 7.0        | 1.0        | -9.0       | -3.0       | 6.0        | 10.0       |
| East to South       | -66.2      | -68.0      | -61.0      | -59.0      | -61.0      | -56.0      | -55.0      |
| East to North-East  | 6.6        | 4.0        | 7.0        | 3.0        | 1.0        | -18.0      | -20.0      |
| North to North-East | -7.7       | 0.0        | -9.9       | -12.0      | -8.4       | 10.2       | 11.6       |
| West to North       | -72.2      | -89.6      | -90.2      | -93.7      | -90.5      | -76.9      | -74.8      |
| West to South       | -77.2      | -68.2      | -73.2      | -70.3      | -78.6      | -77.4      | -76.7      |

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

**साप्ताहिक रिपोर्ट (07 मार्च से 13 मार्च - 2016 तक) 2**

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 (In MU) | Day Average (MW) | Energy Exchange (In MU) | Day Peak (MW) | Day Average (MW) | Energy Exchange (In MU) | Day Peak (MW) | Day Average (MW) |
| 14-03-2016       | 1.2                     | 49               | -6.2                    | -294          | -257             | -11.1                   | -467          | -464             |
| 15-03-2016       | 0.8                     | 35               | -6.5                    | -27           | -272             | -11.0                   | -468          | -459             |
| 16-03-2016       | 3.1                     | 128              | -6.6                    | -31           | -274             | -10.7                   | -464          | -444             |
| 17-03-2016       | 2.1                     | 88               | -6.6                    | -302          | -275             | -11.1                   | -475          | -462             |
| 18-03-2016       | 1.4                     | 60               | -7.0                    | -306          | -290             | -11.1                   | -468          | -463             |
| 19-03-2016       | -0.1                    | -4               | -6.5                    | -318          | -271             | -11.2                   | -467          | -465             |
| 20-03-2016       | -0.2                    | -8               | -6.7                    | -296          | -280             | -11.1                   | -468          | -462             |
| <b>कुल Total</b> | <b>8.3</b>              |                  | <b>-46.1</b>            |               |                  | <b>-77.2</b>            |               |                  |

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

| S.No. | Region            | Name of Elements   | Owner / Agency      | Outage     |       | Revival    |       | Outage Duration | Event  | Generation Loss(MW) | Load Loss(MW) | Category as per CEA Grid |
|-------|-------------------|--|---------------------|------------|-------|------------|-------|-----------------|--|---------------------|---------------|--------------------------|
|       |                   |  |                     | Date       | Time  | Date       | Time  |                 |  |                     |               |                          |
| 1     | SR                | 1) 400kV NTPL-Tuticoron<br>2) 400kV NTPL-Coastal<br>3) 400kV Tuticoron-Coastal<br>4) NTPL Unit-I & II<br>5) Coastal Unit-I                           | PG/Coastal/<br>NTPL | 14.03.2016 | 01:36 | 14.03.2016 | 02:36 | 01:00           | An attempt of charging of NTPL-Tuticoron was done at 01:36. While charging NTPL-Tuticoron line, Breaker Y-ph pole was not closed at NTPL and hence the NTPL-Tuticoron line tripped on pole discrepancy. During that time, Tuticoron-Coastal line sensed the fault in Zone-4 at Tuticoron pooling station and Tuticoron-Coastal line tripped on a suspected mal-operation. In view of tripping of all the evacuation lines, all the running units, i.e, two units of NTPL (870MW) and one unit of Coastal (560MW) tripped.  | 1430                |               | GD-I                     |
| 2     | SR                | 1) 400kV NTPL-Tuticoron<br>2) 400kV NTPL-Coastal<br>3) NTPL Unit-I   | PG/Coastal/<br>NTPL | 15.03.2016 | 03:39 | 15.03.2016 | 03:51 | 00:12           | 400kV NTPL-Tuticoron line tripped on R-N fault at 02:02hrs. A/R operation was successful at Tuticoron end and failed at NTPL end, which led to three phase tripping. During that time, a transient R-N fault was observed in 400kV NTPL-Coastal line and A/R operation was successful at both ends. 400kV NTPL-Coastal line tripped on R-N fault at 03:39hrs. A/R operation was successful at Coastal end and failed at NTPL end, which led to three phase tripping. During that time, there was one unit running at NTPL. As all evacuation lines got tripped, unit-1 of NTPL (415MW) tripped   | 415                 |               | GD-I                     |
| 3     | SR                | 1) ICT-I & II at Hoody   | KPTCL               | 15.03.2016 | 16:44 | 15.03.2016 | 16:59 | 00:15           | ICT-1 and ICT-3 tripped due to operation of Grp-B relays which was due to suspected DC earth fault.  |                     | 400           | GD-I                     |
| 4     | SR                | 1) 220kV Peenya-Nelamangala-II, III & IV   | KPTCL               | 16.03.2016 | 11:39 | 16.03.2016 | 11:58 | 00:19           | 220kV Peenya-Nelamangala-III tripped on B-N fault at both ends. At the same time 220kV Peenya-Nelamangala-IV tripped on R-Y fault at Nelamangala end only but not at Peenya end. Due to tripping of these two lines, 220kV Peenya-Nelamangala-II tripped on overcurrent protection. Peenya, NRS, EDC and A-stations were the affected 220kV stations.  |                     | 510           | GD-I                     |
| 5     | ER/NER/B<br>hutan | 1) 400/220 kV ICT-I & II Binaguri<br>2) 400/220 kV ICT-I at Bongaigaon<br>3) 220 kV Azara-Agia and Azara -Boko<br>4) Rangit Units<br>5) Chukha Units | utan/Assam/         | 16.03.2016 | 18:17 | 16.03.2016 | 21:00 | 01:19           | At 18:15 Hr Dalkhola bus coupler was again closed to reduce loading of the Binaguri ICT - 2. However, the ICT – II at Binaguri tripped at 18:17 hrs due to the resulting over-load (as can be seen from the figure above). Due to the tripping of these two ICTs, the load being met by these ICTs shifted to the 400/220 kV ICT at Bongaigaon. The ICT which was already loaded to around 250 MW further over-loaded and tripped at 18:09 hrs. This caused a loss of connection between 400 kV & 220 kV levels at Binaguri S/S. Thereby the load connected at Dalkhola, Siliguri, Birpara, New Jalpaiguri, Rangit, North Bengal University and Sikkim(except Gangtok) was affected. | 85                  | 750           | GD-I                     |
| 6     | ER                | 1) 400 KV Sterlite -Meramundali I &II<br>2) Sterlite unit II   | PG/SEL              | 18.03.2016 | 20:57 | 18.03.2016 | 22:36 | 02:19           | Due to B-N fault in 400 KV Sterlite -Meramundali I, Ckt -I, tripped and 400 KV Sterlite -Meramundali-II was charged only through the tie of 400 KV Sterlite -Meramundali-I at sterlite end so Ckt II also opened from Sterlite end only . As there is Bus segregation at Sterlite S/S where at Bus-I the elements connected are 400 Kv Sterlite -Meramundali I, &II and Sterlite Unit II. So as both the circuits tripped ,Unit 2 also tripped due to loss of evacuation path .  | 400                 |               | GD-I                     |
| 7     | SR                | 1) 230 KV Madurai-Sembatti S/C<br>2) 230 KV Madurai-Thini S/C<br>3) Madurai ICT-I & II   | PG                  | 19.03.2016 | 14:04 | 19.03.2016 | 14:34 | 00:30           | During fault in 230kV Sembatti TANTRANSKO line, LBB operated and 230kV side CBs of ICT-1 & 2 tripped.  |                     | 400           | GD-I                     |

| S.No. | Region | Name of Elements   | Owner / Agency | Outage     |       | Revival    |       | Outage Duration | Event   | Generation Loss(MW) | Load Loss(MW) | Category as per CEA Grid |
|-------|--------|--|----------------|------------|-------|------------|-------|-----------------|---|---------------------|---------------|--------------------------|
|       |        |  |                | Date       | Time  | Date       | Time  | Time            |   |                     |               |                          |
| 8     | ER     | 1) 220 kV Kasba –Jeerat –II<br>2) 220 kV Kasba-Jeerat –I<br>3) 220 kV Kasba –Subasgram(WB) D/C<br>4)220 kV Subasgram(PG)-Bantala | WBSEB          | 19.03.2016 | 16:53 | 19.03.2016 | 17:30 | 01:30           | 220 KV Kasba –Jeerat –II tripped on B-N fault.At the same time 220 kv Kasba-Jeerat –I,220 kv Kasba –Subasgram(WB) D/C ,220 kv Subasgram(PG)-Bantala also tripped. At the same time, CESC got separated from kasba point (later synchronised at Howrah point at 17:03 hrs). Load loss was 20 MW at Sonarpur area ,downstream of 220 kv Kasba. Inclement weather reported around Kasba. |                     | 20            | GD-I                     |