|  |  |  |
| --- | --- | --- |
|  | **पंजीकृत कार्यालय :शक्ति सदन, कोटला रोड़, न्यू दिल्ली-110002**  (Regd. Office Shakti Sadan, Kotla Road, New Delhi-110002)  **कार्यालय उपमहाप्रबंधक (एस.ओ.)**  **Office of Dy. General Manager (SO)**  **एस एल डी सी बिल्डिंग, मिंटो रोड़, न्यू दिल्ली-110002**  SLDC Building, Minto Road, New Delhi-110002  Ph: 23221149 FAX No.23221012 | |
| **No. F./DTL/207/13-14/DGM(SO)/77** | | **Dated : 01.08.2013** | |

**Subject : Additional Agenda for 9th meeting of Grid Coordination Committee scheduled to be held on 06.08.2013 at 10.30hrs. at Amaltas” Habitat World, at IHC, Lodhi Road, New Delhi-110003.**

Dear Sir, / महोदय

The 9th meeting of the Grid Coordination Committee (GCC) is proposed to be held in on 06th August 2013 at 10.30hrs. at **Amaltas” Habitat World, at IHC, Lodhi Road, New Delhi-110003. (Entry from gate number 3 on Vardhman Marg).**

The main agenda of the meeting has already been forwarded vide our letter bearing no. No. F./DTL/207/13-14/DGM(SO)/63 dated 18.07.2013. Some of the stakeholders forwarded issues to be discussed in the meeting. The same are enclosed.

You are requested to make it convenient to attend the meeting

Thanking you,

भवदीय / Yours faithfully

Encl : As above

(**वी.वेणुगोपाल)/(V. Venugopal )**

**(उपमहाप्रबंधक (एस.ओ.)/**Dy. G. M. (SO)

Convener (GCC)

To

|  |  |
| --- | --- |
| 01 | **Sh. A. K. Halder, Chairperson, GCC**  Director (Operations), Delhi Transco Ltd, 1st floor, Shakti Sadan Building, Kotla Road, New Delhi-110002, Office-Phone- 011-23232715, Fax : 23232721 |
| 02 | **Sh. Bhupinder Nath**  **General Manager (Stores)**, Delhi Transco Ltd.  RPH Complex, RPH, Delhi |
| 03 | **Sh. Roop Kumar**  **General Manager (Planning)**, Delhi Transco Ltd.  Shakti Deep Building, Jhandewalan, Delhi-110055 |
| 04 | **Sh. Prem Parkash,**  **General Manager (O&M)-I,** DTL, 220kVParkstreet S/stn Building, Opp. Talkatora Stadium, Near RML Hospital, Park Street, New Delhi-1, Office Phone - 011-23366462 Fax: 011-23366160 |
| 05 | **Ms Kiran Saini**  **General Manager (Commercial & Regulatory Affairs),** Delhi Transco Ltd,  IP Estate Bldg, New Delhi-110002 |

|  |  |
| --- | --- |
| 06 | **Sh. Mukesh Kumar Sharma**  **General Manager (O&M)-II,** Delhi Transco Ltd.  Shakti Deep Building, Jhandewalan, Delhi-110055 |
| 07 | **Sh. P.K.Gupta**  **General Manager (SLDC),** SLDC Delhi  SLDC Building, 33kV Grid S/Stn Building, Minto Road, New Delhi-110002, Phone Office:011-23221091, Fax:011-23221069 |
| 08 | **Sh. H. Vyas,**  **General Manager (Project)-I,** Delhi Transco Ltd.  Shakti Deep Building, Jhandewalan, Delhi-110055 |
| 09 | **Sh. V.K.Gupta,**  **General Manager (Project)-II,** Delhi Transco Ltd.  Shakti Deep Building, Jhandewalan, Delhi-110055 |
| 10 | **Sh. S.K.Mishra,**  **General Manager (Civil)**  Delhi Transco Limited, 220kV Grid S/Stn., Lodhi Road  CGO Complex, New Delhi-110003 |
| 11 | **Sh. Ved Mitra**  **Chief Engineer, DMRC** |
|  | Inderlok Metro Station, Delhi  Ph. 9871165812 |
| 12 | **Sh. Sunder Singh**  **Dy. General Manager (SCADA),** SLDC Delhi  SLDC Building, 33kV Grid S/Stn Building, Minto Road, New Delhi-110002 |
| 13 | **General Manager (NRLDC),**  18-A, SJSS Marg, New Delhi-110016, Office Phone : 011-26537351, Fax: 011-26852747 |
| 14 | **Sh. Jagdish,**  **Director(Tech), IPGCL / PPCL**  Himadri Building, Rajghat Power House, New Delhi-110002. Office Phone : 011-23273544  Fax: 011-23270590 |
| 15 | **Sh. H.K. Chawla**  **Dy. G.M.(Market Operation), NRLDC**  18-A, SJSS Marg, Katwaria Sarai, New Delhi-110016,  Office Phone : 011-26537351, Fax: 011-26852747 |
| 16 | **Sh. A.K. Sharma**  **Head (O&M), BYPL**  Shakti Kiran Building, Karkardooma, Delhi |
| 17 | **Sh. Mukesh Dadhichi**  **Dy.G.M. (SO),** BYPL, Balaji Estate, New Delhi |
| 18 | **Sh. Sunil Kakkar**  **Asstt. VP,** BYPL, Shakti Kiran Building, Karkardooma, Delhi |
| 19 | **Sh. Chandra Mohan**  Sr. Consultant, BRPL, BSES Bhawan, Nehru Place, New Delhi |
| 20 | **Chief Engineer (Transmission System)**, BBMB  SLDC Complex, Sector-28, Industrial Area Phase-I, Chandigarh. |
| 21 | **Sh. Sanjay Banga,**  **HOD(PSC&A), TPDDL**  SCADA Building, Near Netaji Place Subash Place Metro Station, Pitampura, Delhi 34 Phone Office: 011- 27468027, Fax: 011-27468023 |

|  |  |
| --- | --- |
| 22 | **Sh. Ajay Kumar, VP (PMG), BRPL,**  BSES Bhawan, Nehru Place**,** New Delhi–110019. Off. 39996052 Fax: 011- 3999605 |
| 23 | **Sh. N. K. Kothari,**  **General Manager,** NTPC, Badarpur BTPS, New Delhi-110044 Office Phone: 011- 26949523, Fax: 011- 26949532 |
| 24 | **Col. Ballaney R.N., CWE,**  CWE (Utilities), MES, Delhi Cantt, New Delhi – 110010. Phone Office: 011- 25692364  Fax: 011- 25687850 |
| 25 | **Sh. N.S.Sagar**  **Chief Engineer (Elect),NDMC**  Room No. 1701, 17th Floor, Palika Kendra, Sansad Marg, New Delhi-110001 |
| 26 | **Ms. Anjuli Chandra, Executive Director (Engg.), DERC**  DERC Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17 |
| 27 | **General Manager (Commercial), Aravali Power Company Pvt Ltd. (APCPL)**  1st Floor, Pawan Hans Towers C-14, Sec-1, Noida-201301 |
| 28 | **Sh. N.N. Sadasivan**  **A.G.M. (Commercial), Aravali Power Company Pvt Ltd. (APCPL)**  1st Floor, Pawan Hans Towers C-14, Sec-1, Noida-201301 |
| 29 | **Sh. Arvind Jhalani, Add. General Manager (Commercial)**, NTPC, NCR Headquarters, R&D Building, A8A, Setor-24, Noida-201301. Fax no. 0120-2410192 |
| 30 | **Sh. Pradeep Mittal**  G.M. , Timarpur – Okhla Waste Management Company Ltd, Jindal ITF Center, 28 Shivaji Marg New Delhi-110015, Ph. 45021983, Fax 45021982 |
| 31 | **Sh. R.K. Bhatnagar,**  **General Manager,** Indira Gandhi Super Thermal Power Station, Jharli, Jhajjar Distt. Haryana Pin-124141, Fax no. 01251-266202, Ph. 01251-266265 |
|  | **Sh. Surender Babbar** |
| 32 | Dy. General Manager (Finance-I), DTL, Shakti Sadan, New Delhi 110002 |
| 33 | **Sh. K.C. Gupta,**  Dy. Manager (Finance), SLDC |

Copy for favour of kind information to :-

* 1. Secretary, DERC, Viniyamak Bhawan, C-Block, Shivalik, New Delhi-17
  2. Chairman and Managing Director, DTL
  3. Chairperson, NDNC, Palika Kendra, Sansad Marg, New Delhi
  4. CEO, POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai New Delhi-110016
  5. Director (HR), DTL
  6. Director (Finance), DTL
  7. Member Secretary, NRPC, Katwaria Sarai, New Delhi-110016
  8. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
  9. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, New Delhi-92
  10. Managing Director, Tata Power Delhi Distribution Ltd.,33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009
  11. Chief Engineer(Utilities),CWE, MES, Kotwali Road, Near Gopi Nath Bazar, Delhi Cantt New Delhi-10
  12. Managing Director, Indraprastha Power Generation Company Ltd (Genco) / Pragati Power Corporation Ltd (PPCL), Himadri, Rajghat Power House, New Delhi-02
  13. Director (Finance), DTL, Shakti Sadan, New Delhi 110002
  14. CEO, JUIL/TOWMCL, JITF Urban, Infrastructure Ltd. Jindal ITF Centre, 28, Shivaji Marg, new Delhi-110015
  15. CEO, Aravali Power Company Pvt. Ltd (APCPL), Pawan Hans Tower, C-14, Sector-1,Noida-201301
  16. Member (Power Regulation), BBMB, Sector-19-B, Madhya Marg, Chandigarh

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**DELHI TRANSCO LTD.**

(Regd. Office : Shakti Sadan, Kotla Road, New Delhi 110002)

**[Office of Dy. General Manager (SO)]**

SLDC Building, Minto Road, New Delhi – 110 002

Phone No.23221149, 23221175, Fax 23221012, 59

**Additional Agenda for 9th Grid Coordination Committee meeting**

**Date : 06.08.2013 Time : 10.30hrs.**

**Venue : India Habitat Center, Lodhi Road, New Delhi-110003**

**1 POWER SUPPLY POSITION**

**A) SUMMER 2013**

The actual power position of Delhi upto July 2013 is as under :-

**Summer 2013**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Details** | **Jul-13** | **Jun-13** | | | **May-13** | **Apr-13** |
| Consumption in Mus | 2874.022 | 2762.186 | | | 2674.535 | 2075.841 |
| **Shedding due to Grid Restrictions in Mus** | | | | | | |
| Under Frequency Relay Operations at DTL Sub-Stations & NDPL System | 0.028 | | 0.020 | 0.028 | | 0.000 |
| Manual Shedding due to low frequency carried out by Discoms (NDPL, BYPL, BRPL, NDMC,MES) | 1.670 | | 1.188 | 1.225 | | 6.133 |
| Shedding carried out due to Transmission / Grid Constraints in Central Sector Stns. | 0.275 | | 1.905 | 0.000 | | 0.000 |
| Shedding carried due to ATC / TTC Violation in Northern Grid | 0.000 | | 0.000 | 0.000 | | 0.000 |
| **Total shedding due to Grid Restrictions** | **1.973** | | 3.113 | 1.253 | | 6.133 |
| **Shedding due to T&D Constraints in Mus** | | | | | | |
| **DTL** |  | |  |  | |  |
| BYPL | 1.424 | | 1.579 | 0.530 | | 0.065 |
| BRPL | 2.385 | | 0.802 | 2.977 | | 0.278 |
| NDPL | 0.314 | | 1.829 | 0.357 | | 0.108 |
| NDMC | 0.281 | | 0.000 | 0.043 | | 0.000 |
| MES | 0.000 | | 0.000 | 0.000 | | 0.000 |
| **TOTAL** | **4.404** | | 4.210 | 3.907 | | 0.451 |
| **DISCOMS** |  | |  |  | |  |
| BYPL | 0.376 | | 0.612 | 0.680 | | 0.326 |
| BRPL | 1.735 | | 5.340 | 1.673 | | 0.184 |
| NDPL | 0.475 | | 0.667 | 0.341 | | 0.066 |
| NDMC | 0.000 | | 0.008 | 0.000 | | 0.000 |
| **TOTAL** | **2.586** | | 6.627 | 2.694 | | 0.576 |
| **OTHER AGENCIES LIKE BBMB, GENCO ETC.** | | | | | | |
| BYPL | 0.924 | | 0.888 | 0.326 | | 0.000 |
| BRPL | 0.000 | | 0.061 | 0.063 | | 0.000 |
| NDPL | 0.031 | | 0.137 | 0.007 | | 0.000 |
| NDMC | 0.000 | | 0.000 | 0.000 | | 0.000 |
| **TOTAL** | **0.955** | | 1.086 | 0.396 | | 0.000 |
| **Details** | **Jul-13** | | **Jun-13** | **May-13** | | **Apr-13** |
| **Theft Prone Shedding** |  | |  |  | |  |
| BYPL | 0.000 | | 0.261 | 0.000 | | 0.000 |
| BRPL | 0.000 | | 0.000 | 0.000 | | 0.000 |
| NDPL | 0..017 | | 0.000 | 0.000 | | 0.000 |
| **TOTAL** | **0.017** | | 0.261 | 0.000 | | 0.000 |
| **Total shedding due to T&D Constraints in Delhi** | **7.962** | | 12.184 | 6.997 | | 1.027 |
| **Total Shedding during the month** | **9.935** | | 15.297 | 8.25 | | 7.16 |
| **Demand met in MW** | **5384** | | 5653 | 5315 | | 4190 |
| **Date & Time** | **04.07.13** | | 06.06.13 | 27.05.13 | | 30.04.13 |
| **15:13:52** | | 15:38:41 | 15:29:47 | | 15:36:53 |
| **Shedding at the time of peak demand** | **14 MW** | | 61 | 0 | | 0 |
| **Availability at the time of Peak** | **5449MW** | | 5298 | 5364 | | 4311 |
| **OD(+) / UD(-) at the time of Peak** | **-65 MW** | | 355 | -49 | | -121 |
| **Frequency at the time of peak in Hz.** | **50.3** | | 50.2 | 50.2 | | 50.1 |
| **Voltage at the time of peak** |  | |  |  | |  |
| **At 400kV Mandola (400kV voltage)** | **401** | | 396 | 403 | | 405 |
| **At 400kV Mandola (220kV voltage)** | **214** | | 212 | 214 | | 218 |
| **At BTPS (220kV voltage)** | **213** | | 212 | 215 | | 217 |

**Summer 2012**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Details** | **Jul-12** | **Jun-12** | **May-12** | **Apr-12** |
| Consumption in Mus | 2888.449 | 2945.912 | 2659.082 | 2053.099 |
| **Shedding due to Grid Restrictions in Mus** | | | | |
| Under Frequency Relay Operations at DTL Sub-Stations & NDPL System | 0.247 | 0.127 | 0.447 | 0.039 |
| Manual Shedding due to low frequency carried out by Discoms (NDPL, BYPL, BRPL, NDMC,MES) | 10.420 | 5.402 | 3.114 | 0.099 |
| Shedding carried out due to Transmission / Grid Constraints in Central Sector Stns. | 36.840 | 0.000 | 0.000 | 0.000 |
| Shedding carried due to ATC / TTC Violation in Northern Grid | 0.000 | 0.000 | 0.000 | 0.000 |
| **Total shedding due to Grid Restrictions** | **47.507** | 5.529 | 3.561 | 0.138 |
| **Shedding due to T&D Constraints in Mus** | | | | |
| **DTL** |  |  |  |  |
| BYPL | 0.952 | 0.290 | 0.999 | 1.066 |
| BRPL | 0.935 | 1.410 | 2.122 | 0.426 |
| NDPL | 0.482 | 0.377 | 0.715 | 0.205 |
| NDMC | 0.056 | 0.000 | 0.114 | 0.214 |
| MES | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **2.425** | 2.077 | 3.950 | 1.911 |
| **DISCOMS** |  |  |  |  |
| BYPL | 1.332 | 0.880 | 0.497 | 0.194 |
| BRPL | 2.946 | 4.642 | 1.775 | 0.152 |
| NDPL | 0.532 | 0.662 | 0.385 | 0.159 |
| NDMC | 0.003 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **4.813** | 6.184 | 2.657 | 0.505 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Details** | **Jul-12** | **Jun-12** | **May-12** | **Apr-12** |
| **OTHER AGENCIES LIKE BBMB, GENCO ETC.** | | | | |
| BYPL | 0.005 | 0.822 | 0.143 | 0.000 |
| BRPL | 0.000 | 0.032 | 0.197 | 0.000 |
| NDPL | 0.018 | 0.005 | 0.028 | 0.002 |
| NDMC | 0.000 | 0.000 | 0.000 | 0.000 |
| **TOTAL** | **0.023** | 0.859 | 0.368 | 0.002 |
| **Theft Prone Shedding** | | | | |
| BYPL | 0.000 | 0.000 | 0.000 | 0.000 |
| BRPL | 0.000 | 0.000 | 0.000 | 0.000 |
| NDPL | 0.444 | 0.536 | 0.750 | 0.659 |
| **TOTAL** | **0.444** | 0.536 | 0.750 | 0.659 |
| **Total shedding due to T&D Constraints in Delhi** | 7.705 | 9.656 | 7.725 | 3.077 |
| **Total Shedding during the month** | 55.212 | 15.185 | 11.286 | 3.215 |
| **Demand met in MW** | 5642 | 5389 | 5155 | 3779 |
| **Date & Time** | 05.07.12 | 26.06.12 | 30.05.12 | 10.04.12 |
| 15:10:14 | 15:56:34 | 15:23:40 | 15:46:48 |
| **Shedding at the time of peak demand in MW** | 85 | 57 | 38 | 0 |
| **Availability at the time of Peak in MW** | 5461 | 5341 | 5026 | 3860 |
| **OD(+) / UD(-) at the time of Peak in MW** | 181 | 48 | 129 | -81 |
| **Frequency at the time of peak in Hz.** | 49.8 | 50 | 49.9 | 50.2 |
| **Voltage at the time of peak** |  |  |  |  |
| **At 400kV Mandola (400kV voltage)** | 397 | 395 | 399 | 419 |
| **At 400kV Mandola (220kV voltage)** | 210 | 210 | 214 | 220 |
| **At BTPS (220kV voltage)** | **205** | 210 | 216 | 216 |

Percentage increase in Summer 2013 w.r.t. Summer 2012

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Details** | **Jul-13** | **Jun-13** | **May-13** | **Apr-13** |
| Consumption | -0.50 | -6.24 | 0.58 | 1.11 |
| **Total shedding due to Grid Restrictions** | -95.85 | -43.70 | -64.81 | 4344.20 |
| **Shedding due to T&D Constraints** |  |  |  |  |
| **Load Shedding due constraints in DTL System** | 81.61 | 102.70 | -1.09 | -76.40 |
| **DISCOMS** | -46.27 | 7.16 | 1.39 | 14.06 |
| **Load Shedding due to constraints in the System of other utilities such as BBMB, GENCO, PGCIL etc.** | 4052.17 | 26.43 | 7.61 | -100.00 |
| **Theft Prone Shedding** | -96.17 | -51.31 | -100.00 | -100.00 |
| **Total shedding due to T&D Constraints** | 3.34 | 26.18 | -9.42 | -66.62 |
| **Total Shedding during the month** | -82.01 | 0.74 | -26.90 | 122.71 |
| **Demand met** | -4.57 | 4.90 | 3.10 | 10.88 |

**B) WINTER 2013-14**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BRPL** |  |  |  |  |  |  | **ALL FIGURES IN MW** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 1536 | 1560 | 1632 | 1517 |  | 1214 | 1377 | 1488 | 1290 |  |
| AVAILABILITY | 1551 | 1604 | 1670 | 1604 |  | 1569 | 1622 | 1689 | 1622 |  |
| SURPLUS (+) / SHORTAGE (-) | **15** | **44** | **38** | **87** |  | **356** | **245** | **201** | **332** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 837 | 1292 | 1355 | 1323 | 1129 | 728 | 1209 | 1294 | 1323 | 1063 |
| AVAILABILITY | 1489 | 1689 | 1569 | 1689 | 1489 | 1489 | 1689 | 1569 | 1689 | 1489 |
| SURPLUS (+) / SHORTAGE (-) | **653** | **397** | **214** | **366** | **361** | **762** | **480** | **275** | **366** | **426** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 856 | 1299 | 1342 | 1303 | 1066 | 808 | 1630 | 1442 | 1473 | 1366 |
| AVAILABILITY | 1566 | 1766 | 1646 | 1766 | 1566 | 1566 | 1766 | 1646 | 1766 | 1566 |
| SURPLUS (+) / SHORTAGE (-) | **710** | **467** | **304** | **463** | **501** | **758** | **136** | **203** | **293** | **200** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 882 | 1865 | 1608 | 1630 | 1214 | 839 | 1623 | 1497 | 1464 | 1218 |
| AVAILABILITY | 1562 | 1761 | 1642 | 1761 | 1562 | 1562 | 1761 | 1642 | 1761 | 1562 |
| SURPLUS (+) / SHORTAGE (-) | **679** | **-104** | **33** | **131** | **348** | **723** | **138** | **145** | **297** | **344** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 806 | 1527 | 1421 | 1388 | 1094 | 719 | 1388 | 1255 | 1283 | 1011 |
| AVAILABILITY | 1491 | 1691 | 1571 | 1691 | 1491 | 1449 | 1648 | 1529 | 1648 | 1449 |
| SURPLUS (+) / SHORTAGE (-) | **685** | **163** | **150** | **303** | **397** | **730** | **260** | **273** | **365** | **438** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 1344 | 1334 | 1323 | 1055 |  | 1292 | 1323 | 1384 | 1225 |  |
| AVAILABILITY | 1533 | 1586 | 1653 | 1586 |  | 1442 | 1495 | 1561 | 1495 |  |
| SURPLUS (+) / SHORTAGE (-) | **188** | **253** | **330** | **531** |  | **149** | **172** | **177** | **270** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BYPL** |  |  |  |  |  |  | ALL FIGURES IN MW |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | 22-24 |  |
| DEMAND | 960 | 975 | 1020 | 948 |  | 759 | 861 | 930 | 806 |  |
| AVAILABILITY | 1093 | 1126 | 1153 | 1112 |  | 1105 | 1138 | 1165 | 1124 |  |
| SURPLUS (+) / SHORTAGE (-) | **133** | **151** | **133** | **164** |  | **346** | **278** | **235** | **317** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 523 | 808 | 847 | 827 | 706 | 455 | 756 | 809 | 827 | 665 |
| AVAILABILITY | 1055 | 1180 | 1090 | 1165 | 1055 | 1055 | 1180 | 1090 | 1165 | 1055 |
| SURPLUS (+) / SHORTAGE (-) | **532** | **372** | **243** | **338** | **350** | **600** | **424** | **281** | **338** | **391** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 535 | 812 | 839 | 814 | 666 | 505 | 1019 | 902 | 921 | 854 |
| AVAILABILITY | 1106 | 1231 | 1140 | 1215 | 1106 | 1106 | 1231 | 1140 | 1215 | 1106 |
| SURPLUS (+) / SHORTAGE (-) | **571** | **419** | **301** | **400** | **440** | **601** | **212** | **238** | **294** | **252** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | **552** | **1166** | **1005** | **1019** | **759** | **524** | **1015** | **936** | **915** | **761** |
| AVAILABILITY | 1104 | 1228 | 1137 | 1212 | 1104 | 1104 | 1228 | 1137 | 1212 | 1104 |
| SURPLUS (+) / SHORTAGE (-) | **552** | **62** | **132** | **193** | **345** | **579** | **213** | **201** | **297** | **342** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 504 | 955 | 888 | 868 | 684 | 449 | 868 | 785 | 802 | 632 |
| AVAILABILITY | 1056 | 1180 | 1091 | 1166 | 1056 | 1027 | 1152 | 1064 | 1138 | 1027 |
| SURPLUS (+) / SHORTAGE (-) | **552** | **226** | **203** | **298** | **372** | **578** | **284** | **279** | **336** | **395** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 840 | 834 | 827 | 659 |  | 808 | 827 | 865 | 765 |  |
| AVAILABILITY | 1080 | 1113 | 1141 | 1100 |  | 1025 | 1059 | 1085 | 1044 |  |
| SURPLUS (+) / SHORTAGE (-) | **239** | **279** | **314** | **440** |  | **218** | **232** | **221** | **278** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NDPL** |  |  |  |  |  |  | ALL FIGURES IN MW |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 1029 | 1045 | 1093 | 1015 |  | 813 | 922 | 996 | 864 |  |
| AVAILABILITY | 1313 | 1349 | 1393 | 1349 |  | 1325 | 1361 | 1406 | 1361 |  |
| SURPLUS (+) / SHORTAGE (-) | **285** | **304** | **301** | **334** |  | **513** | **439** | **409** | **497** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 560 | 865 | 907 | 886 | 756 | 487 | 810 | 867 | 886 | 712 |
| AVAILABILITY | 1272 | 1406 | 1325 | 1406 | 1272 | 1272 | 1406 | 1325 | 1406 | 1272 |
| SURPLUS (+) / SHORTAGE (-) | **712** | **540** | **418** | **520** | **516** | **785** | **596** | **459** | **520** | **560** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 573 | 870 | 899 | 872 | 713 | 541 | 1091 | 966 | 986 | 915 |
| AVAILABILITY | 1277 | 1655 | 1330 | 1655 | 1277 | 1277 | 1655 | 1330 | 1655 | 1277 |
| SURPLUS (+) / SHORTAGE (-) | **703** | **786** | **431** | **783** | **563** | **735** | **564** | **364** | **669** | **362** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 591 | 1249 | 1077 | 1091 | 813 | 562 | 1087 | 1002 | 980 | 816 |
| AVAILABILITY | 1246 | 1624 | 1299 | 1624 | 1246 | 1246 | 1624 | 1299 | 1624 | 1246 |
| SURPLUS (+) / SHORTAGE (-) | **655** | **375** | **222** | **533** | **433** | **684** | **537** | **297** | **644** | **430** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 540 | 1023 | 951 | 929 | 732 | 481 | 929 | 840 | 859 | 677 |
| AVAILABILITY | 1199 | 1453 | 1253 | 1453 | 1199 | 1172 | 1425 | 1225 | 1425 | 1172 |
| SURPLUS (+) / SHORTAGE (-) | **660** | **430** | **302** | **524** | **467** | **690** | **496** | **385** | **566** | **495** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 900 | 893 | 886 | 706 |  | 865 | 886 | 926 | 820 |  |
| AVAILABILITY | 1302 | 1337 | 1382 | 1337 |  | 1030 | 1066 | 1110 | 1066 |  |
| SURPLUS (+) / SHORTAGE (-) | **402** | **445** | **496** | **631** |  | **165** | **180** | **184** | **246** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NDMC** |  |  |  |  |  | ALL FIGURES IN MW |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 240 | 280 | 215 | 180 |  | 230 | 250 | 200 | 150 |  |
| AVAILABILITY | 248 | 248 | 262 | 262 |  | 252 | 252 | 267 | 267 |  |
| SURPLUS (+) / SHORTAGE (-) | **8** | **-32** | **47** | **82** |  | **22** | **2** | **67** | **117** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 100 | 200 | 200 | 180 | 120 | 100 | 190 | 190 | 180 | 120 |
| AVAILABILITY | 252 | 252 | 267 | 267 | 252 | 252 | 252 | 267 | 267 | 252 |
| SURPLUS (+) / SHORTAGE (-) | **152** | **52** | **67** | **87** | **132** | **152** | **62** | **77** | **87** | **132** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 100 | 180 | 180 | 170 | 120 | 110 | 220 | 200 | 180 | 130 |
| AVAILABILITY | 278 | 278 | 294 | 294 | 278 | 278 | 278 | 294 | 294 | 278 |
| SURPLUS (+) / SHORTAGE (-) | **178** | **98** | **114** | **124** | **158** | **168** | **58** | **94** | **114** | **148** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 140 | 180 | 270 | 220 | 180 | 140 | 230 | 230 | 200 | 170 |
| AVAILABILITY | 278 | 278 | 294 | 294 | 278 | 278 | 278 | 294 | 294 | 278 |
| SURPLUS (+) / SHORTAGE (-) | **138** | **98** | **24** | **74** | **98** | **138** | **48** | **64** | **94** | **108** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 120 | 210 | 200 | 180 | 150 | 120 | 180 | 180 | 170 | 140 |
| AVAILABILITY | 227 | 227 | 241 | 241 | 227 | 213 | 213 | 227 | 227 | 213 |
| SURPLUS (+) / SHORTAGE (-) | **107** | **17** | **41** | **61** | **77** | **93** | **33** | **47** | **57** | **73** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 180 | 200 | 175 | 140 |  | 200 | 225 | 190 | 150 |  |
| AVAILABILITY | 213 | 213 | 227 | 227 |  | 252 | 252 | 267 | 267 |  |
| SURPLUS (+) / SHORTAGE (-) | **33** | **13** | **52** | **87** |  | **52** | **27** | **77** | **117** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MES** |  |  |  |  |  |  | **ALL FIGURES IN MW** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 35 | 40 | 40 | 40 |  | 35 | 40 | 35 | 40 |  |
| AVAILABILITY | 44 | 44 | 44 | 44 |  | 35 | 35 | 35 | 35 |  |
| SURPLUS (+) / SHORTAGE (-) | **9** | **4** | **4** | **4** |  | **0** | **-5** | **0** | **-5** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 30 | 35 | 40 | 35 | 40 | 30 | 35 | 40 | 35 | 40 |
| AVAILABILITY | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| SURPLUS (+) / SHORTAGE (-) | **5** | **0** | **-5** | **0** | **-5** | **5** | **0** | **-5** | **0** | **-5** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 35 | 40 | 40 | 40 | 35 | 35 | 40 | 40 | 40 | 35 |
| AVAILABILITY | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| SURPLUS (+) / SHORTAGE (-) | **13** | **8** | **8** | **8** | **13** | **13** | **8** | **8** | **8** | **13** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 35 | 40 | 40 | 40 | 35 | 35 | 45 | 35 | 40 | 35 |
| AVAILABILITY | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| SURPLUS (+) / SHORTAGE (-) | **13** | **8** | **8** | **8** | **13** | **13** | **3** | **13** | **8** | **13** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 30 | 35 | 40 | 35 | 40 | 30 | 35 | 40 | 35 | 40 |
| AVAILABILITY | 48 | 48 | 48 | 48 | 48 | 35 | 35 | 35 | 35 | 35 |
| SURPLUS (+) / SHORTAGE (-) | **18** | **13** | **8** | **13** | **8** | **5** | **0** | **-5** | **0** | **-5** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 35 | 40 | 40 | 40 |  | 35 | 40 | 35 | 40 |  |
| AVAILABILITY | 35 | 35 | 35 | 35 |  | 35 | 35 | 35 | 35 |  |
| SURPLUS (+) / SHORTAGE (-) | **0** | **-5** | **-5** | **-5** |  | **0** | **-5** | **0** | **-5** |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DELHI AS A WHOLE** | | |  |  |  |  |  |  |  |  |
| **MONTH** | **1st Fortnight** | | | | | **2nd fortnight** | | | | |
| **OCTOBER 2013** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 3800 | 3900 | 4000 | 3700 |  | 3050 | 3450 | 3650 | 3150 |  |
| AVAILABILITY | 4249 | 4371 | 4524 | 4371 |  | 4287 | 4409 | 4562 | 4409 |  |
| SURPLUS (+) / SHORTAGE (-) | **449** | **471** | **524** | **671** |  | **1237** | **959** | **912** | **1259** |  |
| **NOVEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 2050 | 3200 | 3350 | 3250 | 2750 | 1800 | 3000 | 3200 | 3250 | 2600 |
| AVAILABILITY | 4104 | 4562 | 4287 | 4562 | 4104 | 4104 | 4562 | 4287 | 4562 | 4104 |
| SURPLUS (+) / SHORTAGE (-) | **2054** | **1362** | **937** | **1312** | **1354** | **2304** | **1562** | **1087** | **1312** | **1504** |
| **DECEMBER 2013** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 2100 | 3200 | 3300 | 3200 | 2600 | 2000 | 4000 | 3550 | 3600 | 3300 |
| AVAILABILITY | 4275 | 4978 | 4458 | 4978 | 4275 | 4275 | 4978 | 4458 | 4978 | 4275 |
| SURPLUS (+) / SHORTAGE (-) | **2175** | **1778** | **1158** | **1778** | **1675** | **2275** | **978** | **908** | **1378** | **975** |
| **JANUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 2200 | 4500 | 4000 | 4000 | 3000 | 2100 | 4000 | 3700 | 3600 | 3000 |
| AVAILABILITY | 4237 | 4940 | 4420 | 4940 | 4237 | 4237 | 4940 | 4420 | 4940 | 4237 |
| SURPLUS (+) / SHORTAGE (-) | **2037** | **440** | **420** | **940** | **1237** | **2137** | **940** | **720** | **1340** | **1237** |
| **FEBRUARY 2014** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** | **00-06** | **06-12** | **12-18** | **18-22** | **22-24** |
| DEMAND | 2000 | 3750 | 3500 | 3400 | 2700 | 1800 | 3400 | 3100 | 3150 | 2500 |
| AVAILABILITY | 4021 | 4599 | 4204 | 4599 | 4021 | 3896 | 4474 | 4079 | 4474 | 3896 |
| SURPLUS (+) / SHORTAGE (-) | **2021** | **849** | **704** | **1199** | **1321** | **2096** | **1074** | **979** | **1324** | **1396** |
| **MARCH 2014** | **00-10** | **10-18** | **18-22** | **22-24** |  | **00-10** | **10-18** | **18-22** | **22-24** |  |
| DEMAND | 3300 | 3300 | 3250 | 2600 |  | 3200 | 3300 | 3400 | 3000 |  |
| AVAILABILITY | 4163 | 4285 | 4438 | 4285 |  | 3784 | 3906 | 4059 | 3906 |  |
| SURPLUS (+) / SHORTAGE (-) | **863** | **985** | **1188** | **1685** |  | **584** | **606** | **659** | **906** |  |

Distribution companies are requested to firm up the disposal of surplus power as expeditiously as possible. CERC has already floated the amended UI Regulations which may be made effective from any time wherein there is a heavy penalty for over drawal below 49.95Hz frequency and heavy penalty of under drawal for more than 150MW. The salient features of proposed amendment of UI Regulations are as under :-

**Proposed**

|  |  |  |
| --- | --- | --- |
| **Frequency in Hz.** | | **Charges** |
| Below | Not Below | Paise/ KWH |
|  | 50.05 | 0 |
| 50.05 | 50.04 | 35.60 |
| 50.04 | 50.03 | 71.20 |
| 50.03 | 50.02 | 106.80 |
| 50.02 | 50.01 | 142.40 |
| 50.01 | 50.00 | 178.00 |
| **50.00** | **49.99** | **333.40** |
| 49.99 | 49.98 | 488.80 |
| 49.98 | 49.97 | 644.20 |
| 49.97 | 49.96 | 799.60 |
| 49.96 | 49.95 | 955.00 |
| 49.95 |  | 1110.40 |

**Existing**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Frequency in Hz.** | | **Charges** | **Frequency in Hz.** | | **Charges** |
| Below | Not Below | Paise/ KWH | Below | Not Below | Paise/ KWH |
|  | 50.20 | 0 |  |  |  |
| 50.20 | 50.18 | 16.50 | 49.84 | 49.82 | 421.50 |
| 50.18 | 50.16 | 33.00 | **49.82** | **49.80** | **450.00** |
| 50.16 | 50.14 | 49.50 | 49.80 | 49.78 | 478.13 |
| 50.14 | 50.12 | 66.00 | 49.78 | 49.76 | 506.25 |
| 50.12 | 50.10 | 82.50 | 49.76 | 49.74 | 534.38 |
| 50.10 | 50.08 | 99.00 | 49.74 | 49.72 | 562.50 |
| 50.08 | 50.06 | 115.50 | 49.72 | 49.70 | 590.63 |
| 50.06 | 50.04 | 132.00 | 49.70 | 49.68 | 618.75 |
| 50.04 | 50.02 | 148.50 | 49.68 | 49.66 | 646.88 |
| 50.02 | 50.00 | 165.00 | 49.66 | 49.64 | 675.00 |
| 50.00 | 49.98 | 193.50 | 49.64 | 49.62 | 703.13 |
| 49.98 | 49.96 | 222.00 | 49.62 | 49.60 | 731.25 |
| 49.96 | 49.94 | 250.50 | 49.60 | 49.58 | 759.38 |
| 49.94 | 49.92 | 279.00 | 49.58 | 49.56 | 787.50 |
| 49.92 | 49.90 | 307.50 | 49.56 | 49.54 | 815.63 |
| 49.90 | 49.88 | 336.00 | 49.54 | 49.52 | 843.75 |
| 49.88 | 49.86 | 364.50 | 49.52 | 49.50 | 871.88 |
| 49.86 | 49.84 | 393.00 | 49.50 |  | 900.00 |

**Comparison of existing and new UI regulations in TPDDL’s case study**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Existing Regulations** | **Draft Regulations** | **Impact** |
| 1 | Each 0.02 Hz step is equivalent to:   * 16.50 Ps / KWH in the band of 50.2 to 50.0 Hz. * 28.50 Ps. / KWH in the band of 50 to 49.8 Hz. * 28.12 Ps/KWH in the band of 49.8 to 49.5 Hz | Each 0.01 Hz step is equivalent to :   * 35.60Ps/ KWH in the band of 50.05 to 50.00 Hz * 155.40 Ps/ KWH in the band of 50 to 49.95 Hz | Each step has a higher impact in monetary terms considering overdraw/ underdraw. |
| 2 | **Scenario- TPDDL underdraws**  Cap rate for under drawals by buyer/ beneficiary in excess of 250 MW ( comes to 64 MW for TPDDL) shall be same as the charges for U.I. corresponding to frequency interval of below 49.82 Hz and not below 49.80 Hz which comes as 450 Ps/KWH. (Example if TPDDL under draws 100 MW , then it gets 64 MW @ actual frequency rate and remaining 36 MW @ Rs.4.50/- only) if frequency is 49.80 Hz. | 64 MW changed to 40 MW as the cap rate changed from 250 MW to 200 MW for Delhi.  Cap rate reduced from 450Ps/KWH to 333.40 Ps/KWH  (Example If TPDDL under draws 100 MW , then 40 MW is paid @ 333.40/- and for remaining 60 MW the charges are zero) if frequency is below 49.99 Hz. | Huge Impact if underdraw exceeds more than 40 MW. No payment for underdrawals beyond 40 MW, earlier for which we were getting Rs.4.50/- per unit.  If Frequency is 49.70 Hz Amount realized reduced from 64MW\* 5.90 + 36 MW\* 4.50/- = **5.39 lakhs to** 40MW\* 3.33/-= **1.33 lakhs in 1 hour.** |

**Comparison of existing and new draft UI regulations (Scenario TPDDL overdraws at frequency above 49.95 Hz)**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Existing Regulations** | **Draft Regulations** | **Impact** |
| 3 | Scenario- **TPDDL overdraws 100 MW at frequency above 49.95 Hz say at 50 Hz.**   * 100 MW payable at actual frequency rate. * Net payable if frequency is 50 Hz: (100MW\* 1.65/-= 1.65 Lakhs | TPDDL overdraws 100 MW at frequency above 49.95 Hz.   * 40 MW payable at actual frequency rate i.e.1.78/- (Based on the cap rate (150 MW to 200 MW for Delhi) * 13 MW payable at additional 20% of the deviation charges at 49.95 Hz.(20% of Rs.11/- = Rs.2.22/ + 1.78/-= 4/-) . Based on cap rate of 200 MW * 13 MW payable at 40% of the deviation charge s at 49.95 Hz (40% of Rs.11/-=Rs.4.40/ + 1.78/-= 6.18/-). Based on cap rate of 250 MW * 35 MW payable at 100% of the deviation charges at 49.95 Hz (100% of Rs.11/-= Rs.11/+ 1.78/-)= 12.78/- . Based on cap rate of over 250 MW. * Net Payable if frequency is 50 Hz : ( 40MW\*1.78 + 12 MW\* 4/+ 13 MW\* 6.18/+ 35 MW \* 12.78/ = 6.46 lakhs | Impact increases to almost 4 times for overdraw at frequency above 49.95 Hz. **Payable amount increases to 4 times.** |

**Comparison of existing and new draft UI regulations (Scenario TPDDL overdraws at frequency below 49.95 Hz)**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Existing Regulations** | **Draft Regulations** | **Impact** |
| 3 | Scenario a - TPDDL overdraws 100 MW at frequency above 49.50 Hz and below 49.70 Hz (Frequency is 49.60 Hz)  100 MW payable at (7.31/+ 20% of 9/-) = 9.11 lakhs  Scenario b - TPDDL overdraws 100 MW at frequency above 49.20 Hz and below 49.50 Hz ( Frequency is 49.40 Hz)  100 MW payable at ( Rs .9+ 40% of 9/-)= 12.60 lakhs  Scenario c- TPDDL overdraws 100 MW at frequency below 49.20 Hz  100 MW payable at (Rs.9 +100% of Rs.9 = 18 lakhs | Scenario a- TPDDL overdraws 100 MW at frequency below 49.95 Hz say 49.6 Hz  100 MW payable at (11.10/ + 100% of 11.10/-) = 22.22 lakhs | 2.5 times increase in the charges. |

GCC may deliberate.

**2 OUTSTANDING DUES**

**DTL’s agenda**

A substantial amount of payment is due to Delhi Transco Limited from BRPL and BYPL. The details of outstanding dues on both the Discoms as on 30.06.2013 are as under:-

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Utility** | **Paying utilities** | | **(Rs. in Crore)** | **Remarks** |
| BRPL | BYPL | Total |
| DTL | **710.14** | **489.26** | **1199.40** | **Include Surcharge upto 30.06.2013 for BYPL of Rs. 63.19 Crores and BRPL of Rs. 94.67 Crores.** |

Outstanding dues are due to TPDDL and NDMC on account of Pension Trust, Income tax, Power purchase Liability and tabulated here as under:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Utility** | **Paying utilities** | | **(Rs. in Crore)** | **Remarks** |
| TPDDL | NDMC | Total |  |
| DTL | **101.65** | **32.35** | **134.00** | **Include Surcharge upto 30.06.2013 also** |

**NDMC’s agenda**

NDMC has intimated that a sum of Rs. 72.40503 Lacs is pending as Reactive Energy Charges as on 30.06.2013 including interest. The details are as under :-

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Invoice No** | **Date** | **Billing Period** | **Due Date** | **Balance in Rs.** |
| 6 | DTL/NDMC/RE/24 | 07.10.11 | 01.08.11 to 31.08.11 | 17.10.11 | 126683 |
| 7 | DTL/NDMC/RE/29 | 09.11.11 | 01.09.11 to 30.09.11 | 19.11.11 | 178815 |
| 8 | DTL/NDMC/RE/34 | 14.12.11 | 01.10.11 to 31.10.11 | 24.12.11 | 401510 |
| 9 | DTL/NDMC/RE/39 | 27.12.11 | 01.11.11 to 30.11.11 | 06.01.12 | 643482 |
| 10 | DTL/NDMC/RE/44 | 21.02.12 | 01.12.11 to 31.12.11 | 01.03.12 | 59210 |
| 11 | DTL/NDMC/RE/49 | 19.03.12 | 01.01.12 to 31.01.12 | 29.03.12 | 421386 |
| 12 | DTL/NDMC/RE/54 | 10.04.12 | 01.02.12 to 29.02.12 | 20.04.12 | 832692 |
| 13 | DTL/NDMC/RE/59 | 25.04.12 | 01.03.12 to 31.03.12 | 05.05.12 | 832115 |
| 14 | DTL/NDMC/12-13/04 | 30.05.12 | 01.04.12 to 30.04.12 | 09.06.12 | 623414 |
| 15 | DTL/NDMC/12-13/29 | 05.11.12 | 01.09.12 to 30.09.12 | 15.11.12 | 436315 |
| 16 | DTL/NDMC/12-13/34 | 19.12.12 | 01.10.12 to 31.10.12 | 29.12.12 | 480744 |
| 17 | DTL/NDMC/12-13/39 | 08.01.13 | 01.11.12 to 30.11.12 | 18.01.13 | 628243 |
| 18 | DTL/NDMC/12-13/44 | 04.02.13 | 01.12.12 to 31.12.12 | 14.02.13 | 191488 |
| 19 | DTL/NDMC/12-13/49 | 13.03.13 | 01.01.13 to 31.01.13 | 23.03.13 | 277376 |
| 20 | DTL/NDMC/12-13/54 | 09.04.13 | 01.02.13 to 28.02.13 | 19.04.13 | 272514 |
| 21 | DTL/NDMC/12-13/59 | 25.04.13 | 01.03.13 to 31.03.13 | 04.05.13 | 337612 |
| 22 | DTL/NDMC/13-14/04 | 04.06.13 | 01.04.13 to 30.04.13 | 14.06.13 | 496904 |
|  |  |  | Total in Rs. |  | 7240503 |

GCC may deliberate.

**3 DISCOM WISE SCHEDULING OF VARIOUS SOURCES**

**(BRPL agenda)**

SLDC Delhi aggregate requirement for all Discom then carry out common schedule of power plants. Since availability of power is different for all Discom and then shortage/surplus are also different. It is causing uncertainty in prudent management of resources.

The Distribution licensees of Delhi are representing on the issue for quite some time. TPDDL has taken up the issue at NRPC level at 77th OOC meeting on 20.07.12 where in it was decided to take up the matter in Commercial Sub-Committee meeting of NRPC. The MOM of meeting are that Delhi SLDC agreed to implement the Discom wise scheduling for Delhi Gencos but it was informed that RLDC does not accept the Discom wise scheduling for Central Sector Generating

Then the MOM were amended in 79th meeting of NRPC OCC held on 14.09.12 and NRLDC and Delhi SLDC along with Delhi Discoms ware directed to arrange a meeting at the earliest to find out an amicable solution and it was decided that for the time being, till the issue is resolved, detailed sheet containing Discom wise allocation/ schedule energy In the ratio given by State Govt./ SERC would be continued in the monthly REA issued by NRPC. Further the matter was also put up in 7th GCC meeting of Delhi on 31.10.12

In previous MOM dated 07.12.12, conclusion was, Director (O) DTL requested NRLDC to provide logistics support for Discom wise requirement based on Web Based real time scheduling so that trial run of Discom wise scheduling can be started from 01.01.13 and the regular scheduling can be started from 01.04.13. In case any commercial arrangement is required he assured that the same can also be done for success of the system. The distribution licences and SLDC Delhi also supported the request of the Chair to NRLDC. NRLDC representatives agreed to take up the matter with their management in this regard and revert back.

Due to common scheduling Discom does not have any control on power being scheduled and billed to them although it has major financial impact on functioning of Discom.

* As the power plants are shared and in case any Discom is in surplus and other Discom is having shortage then SLDC finds it difficult to back down the power plant. UI rates are negligible and exchange rates are also much lower than variable rates of costly plants.
* Further load profile and power arrangements of each Discoms are different which cannot be efficiently managed by common scheduling.

**GCC may deliberate.**