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|---|--|--|--|--|--|--|---|
| <b>POWER SYSTEM OPERATION CORPORATION LIMITED</b>   |  |  |  |  |  |  |  |
| <b>NATIONAL LOAD DESPATCH CENTRE</b>  |  |  |  |  |  |  |   |
| <b>IMPLEMENTING AGENCY</b>  |  |  |  |  |  |  |   |
| <b>Transmission Charges as per existing method and PoC Charging Method</b><br>In compliance to CERC Order No. L-1/44/2010-CERC dated 30th December 2010 |  |  |  |  |  |  |   |


| Sl. No.                | Name of the Designated ISTS Customer | As per new PoC Charging Method |                             |                     |   |                        | As per existing method (Regional Postage Stamp)                              |                     |
|------------------------|--------------------------------------|--------------------------------|-----------------------------|---------------------|---|------------------------|--|---------------------|
|                        |                                      | LTA * (MW)                     | PoC Rates (Rs./MW/ Month) # | Total Charges (Rs.) | Charges Attributable on drawee utilities on account of Generators (Rs.) | Total PoC charges (Rs) | Total MW allocation (including all LTA) for Regional Tr. Charges Recovery ** | Total Charges (Rs.) |
|                        |                                      | A                              | B                           | C= A* B             | D   | E= C+D                 |  |                     |
| <b>Northern Region</b> |                                      |                                |                             |                     |   |                        |  |                     |
| 1                      | Chandigarh                           | 154.3                          | 67290                       | 10384329            | 12535472  | 22919800               | 161.2  | 20643160            |
| 2                      | Delhi                                | 3339.6                         | 80824                       | 269920092           | 229813853   | 499733945              | 3541.2   | 512135119           |
| 3                      | Haryana                              | 1232.9                         | 83871                       | 103403052           | 101787324   | 205190376              | 1295.0   | 180159844           |
| 4                      | Himachal Pradesh                     | 1376.4                         | 64323                       | 88533245            | 100171721   | 188704966              | 1404.3   | 179413557           |
| 5                      | Jammu & Kashmir                      | 1496.8                         | 60200                       | 90105755            | 120736930   | 210842685              | 1558.3   | 216951893           |
| 6                      | Punjab                               | 1953.5                         | 114021                      | 222739462           | 157672396   | 380411858              | 2050.9   | 290376449           |
| 7                      | Rajasthan                            | 1808.0                         | 99320                       | 179574996           | 147308698   | 326883694              | 1916.6   | 263159926           |
| 8                      | Uttar Pradesh                        | 4706.4                         | 86162                       | 405512279           | 385323372   | 790835651              | 4974.2   | 683132874           |
| 9                      | Uttarakhand                          | 685.0                          | 120217                      | 82349817            | 59812216  | 142162033              | 716.5  | 93649059            |
| 10                     | Railways                             | 97.0                           | 86162                       | 8357997             | 5575191   | 13933188               | 100.3  | 12603428            |
| 11                     | POWERGRID-NR                         | 1.6                            | 86162                       | 134164              | 112706  | 246870                 | 1.8  | 225061              |
| 12                     | AD Hydro                             | 192.0                          | 56487                       | 10845414            |   | 10845414               | 191.7  | 24083959            |
| <b>Sub-Total</b>       |                                      | <b>17043.5</b>                 |                             | <b>1471860601</b>   | <b>1320849880</b>   | <b>2792710481</b>      | <b>17912.0</b>   | <b>2476534328</b>   |
| 13                     | SINGRAULI STPS                       | 1845.0                         | 83825                       | 154657085           |   |                        |  |                     |
| 14                     | RIHAND-I STPS                        | 940.0                          | 92405                       | 86861050            |   |                        |  |                     |
| 15                     | RIHAND-II STPS                       | 940.0                          | 92405                       | 86861050            |   |                        |  |                     |
| 16                     | UNCHAHAR-I TPS                       | 384.3                          | 66316                       | 25485243            |   |                        |  |                     |
| 17                     | UNCHAHAR-II TPS                      | 384.3                          | 66316                       | 25485243            |   |                        |  |                     |
| 18                     | UNCHAHAR-III TPS                     | 192.2                          | 66316                       | 12742622            |   |                        |  |                     |
| 19                     | DADRI NCTPS-I                        | 764.4                          | 53679                       | 41032504            |   |                        |  |                     |
| 20                     | DADRI NCTPS-II                       | 916.3                          | 53679                       | 49186399            |   |                        |  |                     |
| 21                     | DADRI NCGPS                          | 805.1                          | 53679                       | 43217254            |   |                        |  |                     |
| 22                     | ANTA GPS                             | 406.4                          | 41874                       | 17018759            |   |                        |  |                     |
| 23                     | AURAIYA GPS                          | 643.1                          | 66316                       | 42648490            |   |                        |  |                     |
| 24                     | Narora Atomic PS                     | 387.2                          | 66316                       | 25677559            |   |                        |  |                     |
| 25                     | Rajasthan Atomic PP-B                | 387.2                          | 73912                       | 28618809            |   |                        |  |                     |
| 26                     | Rajasthan Atomic PP-C                | 387.2                          | 73912                       | 28618809            |   |                        |  |                     |
| 27                     | SALAL                                | 683.1                          | 85056                       | 58101819            |   |                        |  |                     |
| 28                     | CHAMERA-I HPS                        | 534.6                          | 89142                       | 47655095            |   |                        |  |                     |
| 29                     | CHAMERA-II HPS                       | 297.0                          | 95173                       | 28266439            |   |                        |  |                     |
| 30                     | TANAKPUR HPS                         | 93.1                           | 107418                      | 9996280             |   |                        |  |                     |
| 31                     | BAIRASIUL HPS                        | 178.2                          | 56487                       | 10065900            |   |                        |  |                     |
| 32                     | URI HPS                              | 475.2                          | 51354                       | 24403530            |   |                        |  |                     |
| 33                     | DHAULIGANGA                          | 277.2                          | 107418                      | 29776153            |   |                        |  |                     |
| 34                     | NATHPA JHAKRI                        | 1485.0                         | 72191                       | 107203861           |   |                        |  |                     |
| 35                     | DULHASTI                             | 386.1                          | 89142                       | 34417569            |   |                        |  |                     |
| 36                     | TEHRI STAGE-I                        | 990.0                          | 107418                      | 106343403           |   |                        |  |                     |
| 37                     | SEWA-II HEP                          | 118.8                          | 85056                       | 10104664            |   |                        |  |                     |
| 38                     | Baspa (HP)                           | 300.0                          | 56487                       | 16945959            |   |                        |  |                     |
| 39                     | Rihand Hydro + Matatila              | 55.0                           | 66316                       | 3647381             |   |                        |  |                     |
| <b>Sub Total</b>       |                                      | <b>15256.0</b>                 |                             | <b>1155038928</b>   |   |                        |  |                     |

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| <b>NATIONAL LOAD DESPATCH CENTRE</b>  |  |  |  |  |  |  |   |
| <b>IMPLEMENTING AGENCY</b>  |  |  |  |  |  |  |   |
| <b>Transmission Charges as per existing method and PoC Charging Method</b><br>In compliance to CERC Order No. L-1/44/2010-CERC dated 30th December 2010 |  |  |  |  |  |  |   |

| Sl. No.               | Name of the Designated ISTS Customer      | As per new PoC Charging Method |                             |                     |   |                        | As per existing method (Regional Postage Stamp)                              |                     |
|-----------------------|---|--------------------------------|-----------------------------|---------------------|---|------------------------|--|---------------------|
|                       |   | LTA * (MW)                     | PoC Rates (Rs./MW/ Month) # | Total Charges (Rs.) | Charges Attributable on drawee utilities on account of Generators (Rs.) | Total PoC charges (Rs) | Total MW allocation (including all LTA) for Regional Tr. Charges Recovery ** | Total Charges (Rs.) |
|                       |   | A                              | B                           | C= A* B             | D   | E= C+D                 |  |                     |
| <b>Eastern Region</b> |   |                                |                             |                     |   |                        |  |                     |
| 40                    | Bihar                                     | 1681.0                         | 85785                       | 144207331           | 171121266   | 315328597              | 1778.00  | 234259849           |
| 41                    | Jharkhand                                 | 506.5                          | 90352                       | 45765879            | 53157894  | 98923773               | 529.00   | 69736114            |
| 42                    | DVC                                       | 166.9                          | 104980                      | 17519157            | 20387494  | 37906651               | 168.00   | 22089609            |
| 43                    | Orissa                                    | 1020.6                         | 70669                       | 72127930            | 91716208  | 163844138              | 1084.00  | 142838980           |
| 44                    | West Bengal                               | 1229.4                         | 53435                       | 65692389            | 130928912   | 196621301              | 1275.00  | 167984790           |
| 45                    | Sikkim                                    | 143.6                          | 56259                       | 8076601             | 15868498  | 23945099               | 149.00   | 19670795            |
| 46                    | POWERGRID-ER                              | 1.2                            | 85785                       | 98653               | 133047  | 231700                 | 1.26   | 162815              |
| <b>Sub-Total</b>      |   | <b>4749.2</b>                  |                             | <b>353487941</b>    | <b>483313318</b>  | <b>836801259</b>       | <b>4984.3</b>  | <b>656742950</b>    |
| 47                    | DVC                                       | 596.0                          | 59746                       | 35608877            | <b>Attributed to the drawee utility</b>                                 |                        | <b>Charges Payable by Generators are not computed in the existing method</b> |                     |
| 48                    | Farakka                                   | 1489.0                         | 95589                       | 142331451           |   |                        |  |                     |
| 49                    | Kahalgaoon - I                            | 764.4                          | 116036                      | 88698286            |   |                        |  |                     |
| 50                    | Kahalgaoon - II                           | 1402.5                         | 116036                      | 162741165           |   |                        |  |                     |
| 51                    | Talcher                                   | 935.0                          | 67124                       | 62760509            |   |                        |  |                     |
| 52                    | Rangeet                                   | 59.4                           | 126387                      | 7507416             |   |                        |  |                     |
| 53                    | Teesta                                    | 503.9                          | 126387                      | 63684121            |   |                        |  |                     |
| 54                    | TALA                                      | 1020.0                         | 121738                      | 124173056           |   |                        |  |                     |
| 55                    | Chukha                                    | 270.0                          | 121738                      | 32869338            |   |                        |  |                     |
| 56                    | Kurichhu                                  | 60.0                           | 121738                      | 7304297             |   |                        |  |                     |
| 57                    | Hirakud                                   | 1.8                            | 239158                      | 435268              |   |                        |  |                     |
| <b>Sub-Total</b>      |   | <b>7102.0</b>                  |                             | <b>728113784</b>    |   |                        |  |                     |
| <b>Western Region</b> |   |                                |                             |                     |   |                        |  |                     |
| 58                    | Gujarat                                   | 2187.2                         | 62616                       | 136954021           | 171362995   | 308317016              | 2337.2   | 322251903           |
| 59                    | Madhya Pradesh (includes MPAKVNL, Indore) | 2457.8                         | 79229                       | 194725115           | 195755314   | 390480429              | 2540.5   | 365878095           |
| 60                    | Chattisgarh                               | 514.3                          | 68082                       | 35014992            | 45795171  | 80810164               | 552.8  | 76026252            |
| 61                    | Maharashtra (Includes HWB,DAE)            | 3120.7                         | 99324                       | 309964431           | 247861602   | 557826033              | 3203.1   | 435816676           |
| 62                    | Goa-WR                                    | 315.6                          | 67017                       | 21153659            | 25533253  | 46686912               | 339.6  | 44176143            |
| 63                    | Daman & Diu                               | 244.1                          | 55195                       | 13474279            | 22691740  | 36166019               | 254.5  | 33359045            |
| 64                    | Dadra & Nagar Haveli                      | 514.1                          | 55195                       | 28377916            | 44574285  | 72952201               | 539.5  | 70566824            |
| 65                    | HVDC Bhadrwati                            | 2.3                            | 99324                       | 227769              | 217090  | 444859                 | 2.5  | 328318              |
| 66                    | HVDC Vindhyachal                          | 0.7                            | 79229                       | 54795               | 65471   | 120266                 | 0.8  | 98202               |
| 67                    | JINDAL                                    | 500.0                          | 83262                       | 41630956            |   | 41630956               | 500.0  | 65043351            |
| 68                    | PTC (LANCO Amarkantak)                    | 300.0                          | 88053                       | 26416015            |   | 26416015               | 300.0  | 39026011            |
| 69                    | Adani Power Mundra ##                     | 200.0                          | 50124                       | 10024742            |   | 10024742               | 200.0  | 26017340            |
| 70                    | Torrent Power                             | 500.0                          | 50124                       | 25061854            |   | 25061854               | 500.0  | 65043351            |
| <b>Sub-Total</b>      |   | <b>10856.9</b>                 |                             | <b>843080545</b>    | <b>753856921</b>  | <b>1596937466</b>      | <b>11270.4</b>   | <b>1543631512</b>   |
| 71                    | Korba STPS                                | 1948.5                         | 84045                       | 163761514           | <b>Attributed to the drawee utility</b>                                 |                        | <b>Charges Payable by Generators are not computed in the existing method</b> |                     |
| 72                    | Vindhyachal STPS-STG-I                    | 1146.6                         | 94667                       | 108544798           |   |                        |  |                     |
| 73                    | Vindhyachal STPS-STG-II                   | 935.0                          | 94667                       | 88513331            |   |                        |  |                     |
| 74                    | Vindhyachal STPS-STG-III                  | 935.0                          | 94667                       | 88513331            |   |                        |  |                     |
| 75                    | KAWAS                                     | 643.1                          | 50124                       | 32233354            |   |                        |  |                     |
| 76                    | GANDHAR                                   | 644.2                          | 50124                       | 32291808            |   |                        |  |                     |
| 77                    | SIPAT                                     | 935.0                          | 97490                       | 91153536            |   |                        |  |                     |
| 78                    | Kakrapar Atomic PS                        | 404.8                          | 50124                       | 20290077            |   |                        |  |                     |
| 79                    | Tarapur Atomic PS 3&4                     | 982.8                          | 46538                       | 45737276            |   |                        |  |                     |
| 80                    | NTPC-SAIL PCL Bhilai                      | 170.0                          | 144861                      | 24626416            |   |                        |  |                     |
| <b>Sub-Total</b>      |   | <b>8745.0</b>                  |                             | <b>695665443</b>    |   |                        |  |                     |

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| <b>POWER SYSTEM OPERATION CORPORATION LIMITED</b>   |  |  |  |  |  |  |  |
| <b>NATIONAL LOAD DESPATCH CENTRE</b>  |  |  |  |  |  |  |   |
| <b>IMPLEMENTING AGENCY</b>  |  |  |  |  |  |  |   |
| <b>Transmission Charges as per existing method and PoC Charging Method</b><br>In compliance to CERC Order No. L-1/44/2010-CERC dated 30th December 2010 |  |  |  |  |  |  |   |

| Sl. No.                     | Name of the Designated ISTS Customer | As per new PoC Charging Method |                             |                     |   |                        | As per existing method (Regional Postage Stamp)                              |                     |
|-----------------------------|--------------------------------------|--------------------------------|-----------------------------|---------------------|---|------------------------|--|---------------------|
|                             |                                      | LTA * (MW)                     | PoC Rates (Rs./MW/ Month) # | Total Charges (Rs.) | Charges Attributable on drawee utilities on account of Generators (Rs.) | Total PoC charges (Rs) | Total MW allocation (including all LTA) for Regional Tr. Charges Recovery ** | Total Charges (Rs.) |
|                             |                                      | A                              | B                           | C= A* B             | D   | E= C+D                 |  |                     |
| <b>Southern Region</b>      |                                      |                                |                             |                     |   |                        |  |                     |
| 81                          | Andhra Pradesh                       | 1781.7                         | 62990                       | 112228265           | 154671390   | 266899655              | 1916.0   | 307768758           |
| 82                          | Karnataka                            | 1433.0                         | 72006                       | 103181146           | 131396882   | 234578028              | 1542.2   | 247714984           |
| 83                          | Kerala                               | 943.5                          | 126753                      | 119585591           | 80332832  | 199918423              | 1012.2   | 162593529           |
| 84                          | Tamilnadu                            | 2307.1                         | 113392                      | 261605345           | 235376200   | 496981544              | 2353.1   | 417134827           |
| 85                          | Puducherry                           | 346.1                          | 61573                       | 21309942            | 32814402  | 54124344               | 360.3  | 62259197            |
| 86                          | Goa-SR                               | 92.8                           | 69430                       | 6439844             | 6855901   | 13295745               | 100.0  | 16056562            |
| 87                          | HVDC Gazuwaka                        | 2.1                            | 62990                       | 135017              | 158435  | 293451                 |  |                     |
| 88                          | HVDC Talcher                         | 1.9                            | 72006                       | 134651              | 121220  | 255871                 | 6.3  | 1013575             |
| 89                          | HVDC Kolar                           | 1.9                            | 72006                       | 134651              | 121220  | 255871                 |  |                     |
| 90                          | Lanco Kondapalli                     | 350.0                          | 87088                       | 30480740            |   | 30480740               | 350.0  | 56220456            |
| <b>Sub-Total</b>            |                                      | <b>7259.9</b>                  |                             | <b>655235191</b>    | <b>641848482</b>  | <b>1297083673</b>      | <b>7640.0</b>  | <b>1270761888</b>   |
| 91                          | NTPC,Ramagundam STG I &II            | 1948.6                         | 73916                       | 144031534           |   |                        |  |                     |
| 92                          | NTPC,Ramagundam STG III              | 467.5                          | 73916                       | 34555623            |   |                        |  |                     |
| 93                          | NTPC ,TALCHER STG II                 | 1870.0                         | 64824                       | 121220086           |   |                        |  |                     |
| 94                          | Neyveli LC TPS II- STG I             | 567.0                          | 128633                      | 72935166            |   |                        |  |                     |
| 95                          | Neyveli LC TPS II- STG II            | 756.0                          | 128633                      | 97246888            |   |                        |  |                     |
| 96                          | Neyveli LC TPS I- EXPANSION          | 380.1                          | 128633                      | 48893574            |   |                        |  |                     |
| 97                          | NPC,Madras Atomic PS                 | 396.0                          | 163996                      | 64942542            |   |                        |  |                     |
| 98                          | NPC ,Kaiga GS UNITS-1&2              | 380.0                          | 100057                      | 38021759            |   |                        |  |                     |
| 99                          | NPC ,Kaiga GS UNITS-3                | 198.0                          | 100057                      | 19811338            |   |                        |  |                     |
| <b>Sub-Total</b>            |                                      | <b>6963.2</b>                  |                             | <b>641658511</b>    |   |                        |  |                     |
| <b>North Eastern Region</b> |                                      |                                |                             |                     |   |                        |  |                     |
| 100                         | Arunachal Pradesh                    | 123.4                          | 98135                       | 12105421            | 14649290  | 26754711               | 125.3  | 14903946            |
| 101                         | Assam                                | 717.9                          | 98135                       | 70447296            | 72287182  | 142734478              | 927.9  | 125417434           |
| 102                         | Manipur                              | 115.7                          | 98135                       | 11355398            | 11471525  | 22826924               | 117.3  | 13341052            |
| 103                         | Meghalaya                            | 189.5                          | 98135                       | 18592423            | 19102935  | 37695358               | 234.2  | 31680224            |
| 104                         | Mizoram                              | 64.4                           | 98135                       | 6323416             | 6648409   | 12971825               | 65.4   | 7438829             |
| 105                         | Nagaland                             | 93.8                           | 98135                       | 9204104             | 9106770   | 18310874               | 146.0  | 18756415            |
| 106                         | Tripura                              | 97.3                           | 98135                       | 9543827             | 9766891   | 19310719               | 98.6   | 11217539            |
| <b>Sub-Total</b>            |                                      | <b>1401.9</b>                  |                             | <b>137571885</b>    | <b>143033002</b>  | <b>280604887</b>       | <b>1714.6</b>  | <b>222755439</b>    |
| 107                         | Assam GBPP, NEEPCO                   | 282.3                          | 81153                       | 22907092            |   |                        |  |                     |
| 108                         | Agartala GTPP, NEEPCO                | 83.2                           | 81153                       | 6748694             |   |                        |  |                     |
| 109                         | Doyang, NEEPCO                       | 74.3                           | 81153                       | 6025619             |   |                        |  |                     |
| 110                         | Kopili, NEEPCO                       | 198.0                          | 81153                       | 16068318            |   |                        |  |                     |
| 111                         | Kopili-2, NEEPCO                     | 24.8                           | 81153                       | 2008540             |   |                        |  |                     |
| 112                         | Khandong, NEEPCO                     | 49.5                           | 81153                       | 4017080             |   |                        |  |                     |
| 113                         | Ranganadi, NEEPCO                    | 401.0                          | 143144                      | 57393470            |   |                        |  |                     |
| 114                         | Loktak, NHPC                         | 89.4                           | 81153                       | 7252655             |   |                        |  |                     |
| <b>Sub-Total</b>            |                                      | <b>1202.3</b>                  |                             | <b>122421468</b>    |   |                        |  |                     |

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| <b>POWER SYSTEM OPERATION CORPORATION LIMITED</b>                                |  |
| <i>NATIONAL LOAD DESPATCH CENTRE</i>   |   |
| <i>IMPLEMENTING AGENCY</i>   |   |
| <b>Transmission Charges as per existing method and PoC Charging Method</b>       |   |
| <b>In compliance to CERC Order No. L-1/44/2010-CERC dated 30th December 2010</b> |   |

| Sl. No.            |   | As per new PoC Charging Method |                                   |                           |   |                              | As per existing method<br>(Regional Postage Stamp)   |                                   |
|--------------------|---|--------------------------------|-----------------------------------|---------------------------|---|------------------------------|--|-----------------------------------|
|                    |   | LTA *<br>(MW)                  | PoC Rates<br>(Rs./MW/<br>Month) # | Total<br>Charges<br>(Rs.) | Charges<br>Attributable<br>on drawee<br>utilities on<br>account of<br>Generators<br>(Rs.) | Total PoC<br>charges<br>(Rs) | Total MW<br>allocation<br>(including all<br>LTA) for<br>Regional Tr.<br>Charges<br>Recovery ** | Total Charges<br>(Rs.)            |
|                    |   | A                              | B                                 | C= A* B                   | D   | E= C+D                       |  |                                   |
| 1                  | <b>Total</b>  | 41311.3                        |                                   | 3461236163                | 3342901603  | 6804137766                   | 43521.3  | 6170426118                        |
| 2                  | RPC Certified Lines   |                                |                                   |                           |   | Included in<br>above figure  |  | 436470056                         |
| 3                  | Miscellaneous Adjustments<br>(Refer Note 4 & 5 Below)                           |                                |                                   |                           |   | 47823616                     |  | NA                                |
| 4                  | Charges of dedicated assets<br>of POWERGRID (Refer<br>Assumptions & Note 2 & 3) |                                |                                   |                           |   | -245065208                   |  | Excluded from the<br>computations |
| <b>Grand Total</b> |   | <b>41311.3</b>                 |                                   |                           |   | <b>6606896174</b>            | <b>43521.3</b>   | <b>6606896174</b>                 |

\* Ex-Bus Long Term Allocations (Excluding Normative Auxillary Consumptions)

Based on the Weighted Average allocation of December 2010

# Subject to approval of the Validation Committee and Honorable Commission

\*\* Gross Long Term Allocations based on the Regional Energy Account of December 2010

## As APL, Mundra is an embedded entitiy, charges payable by APL Mundra would be billed to Gujarat in the new methodology.

Note:

1) Charges for RPC Certified Lines included in the PoC Charging Method.

However the same has not been included in the computations done as per existing mechanism

2) Charges of certain dedicated assets included in the data provided by POWERGRID.

3) Charges of dedicated assets (Bilateral Charges) are excluded from the computations carried out as per exisitng mechanism

4) PoC Rates were calculated based on the allocations as on 1st November 2010

(As per the decision of the Implementation Committee).

5) Calculation of charges is based on the weighted average allocations of December 2010

6) Withdarwal PoC Rate is indicated in B for drawee entities and Injection PoC Rate is mentioned for injecting entities.

7) Generator Charges are apportioned to the drawee entities in the ratio of their entitlements as per the clause 8(6) of the regulation

## **Assumptions in Computation of Transmission Charges**

### **1. Load Generation balance for the representative case.**

#### i) Representative Injection by DICs for 2010-11

Average of annual energy injection of DICs in the last three years (2007-08, 2008-09, and 2009-10) has been used for arriving at the MW injection for the year 2010-11. Injection by new generation commissioned in 2009-10 was also considered by assuming Plant Load Factor of 80 % for thermal stations and 40 % for hydro stations. Normative auxiliary consumption has also been factored-in for computing the ex-bus generation.

#### ii) Representative Demand of DICs

The growth rate of annual energy consumption of DICs in the last three years (2007-08, 2008-09, and 2009-10) was computed and applied on the energy consumption of 2009-10 to obtain the forecasted energy consumption in 2010-11. The forecasted average MW demand for the year 2010-11 has been computed by using the forecasted energy consumption. Demand increase on account of generation augmentation by State was duly considered. The total demand in the different regions has been suitably moderated to obtain a representative power flow on inter regional links.

### **2. Commercial Data**

Yearly Transmission Charges were submitted by POWERGRID, POWERLINKS and Reliance Power Transmission Limited. The assumptions as taken by POWERGRID while computing the Yearly Transmission Charges are mentioned hereunder.

- i) Transmission Assets with DOCO upto 1<sup>st</sup> Jan 2011, as furnished by ISTS licensees were considered in the computation of average transmission charges.
- ii) Average Transmission Charges at each voltage level and conductor configuration are computed based on the indicative cost level provided by CTU and ckm of each voltage level and conductor type provided by each transmission licensee.
- iii) Charges of dedicated transmission systems indicated by POWERGRID have not been considered in the pooled YTC as suggested by the Implementation Committee. Treatment of the same shall be as per present practice.
- iv) Approved transmission charges of RPC certified lines were not received from the respective owners. However for the purpose of PoC Charge computation, average Monthly Transmission Charge computed for POWERGRID & POWERLINKS assets was considered for these lines also as per the suggestion of Implementation Committee.
- v) Monthly Transmission Charges of HVDCs connecting NEW and SR Grid have been apportioned as suggested by the implementation committee i.e. 50% of Monthly Transmission Charges of HVDC Back to Back stations at Bhadrawati and Gazuwaka have been apportioned to the DICs of SR and 50% to the DICs of NEW Grid respectively.
- vi) The charges of Talcher-Kolar Bipole have been apportioned to nodes of the Southern Region as per the provisions of the regulation.

### **3. Computation of applicable PoC charges for Demand and Generation Zones**

- i) Total Charges Payable by each DIC have been computed by multiplying Approved Injection / Withdrawal with the PoC rate of the respective zone. The approved injection /withdrawal has been arrived at by deducting normative auxiliary consumption from gross installed capacity. Long Term Allocation figures of December 2010 have been used for computing transmission charges of DICs.
- ii) The Zonal PoC rates (Rs/MW/Month) were scaled to recover the total monthly charges.

### **4. Computation of Uniform Charges**

- i) As suggested by the Implementation committee, Approved Injection / Approved Withdrawal has been computed by summation of approved long term access and existing medium term open access (LTA/MTOA) separately for NEW and SR grid for December 2010.
- ii) In case of Merchant Plants, Long Term Access approved by CTU has been considered.

### **5. Computation of Charges as per existing mechanism**

- i) The computation of charges as per existing mechanism was done on the basis of allocations in ISGS as per REA of December 2010.
- ii) The total monthly charges at present are less than the actual charges to be recovered by ISTS licensees, as the tariff for some of the lines is either yet to approved or the tariff petitions are yet to be filed before the Commission as per CERC (Terms and Condition of Tariff), Regulations 2009.
- iii) The total charges to be recovered as per existing mechanism and for the new methodology have been brought to the same level, except for following:
  - a. The charges of RPC certified lines have not been included in the charges computed as per existing mechanism.
  - b. Charges for certain dedicated assets were included in the data provided by POWERGRID.