Point of Connection Charges and Losses Computation May 2015 – June 2015 (Q1)

Meeting of the Validation Committee Date: 17th April, 2015

Venue: NLDC Conference Room, New Delhi

Assumptions

- As per CERC (Sharing of Inter-State Transmission Charges and Losses) (Third Amendment) Regulations, 2015.
- Maximum/Peak generation (based on SEM data) and Maximum/Peak load (based on CEA data) considered.

Contents

PoC Computation for Q1 Case (May'15-June'15)

Demand & Generation Projection

New Generation

Demand Generation Projection

- Demand and Generation Projection
 - Based on Last 3 years data.
- Generation Projection
 - Average of monthly maximum injection in the last three years.
 - Based on actual metered data available with RLDCs.
 - Increasing Trend: Last Year Average figure considered
 - In other cases : Average of last three years
 - States' generation in case of non-submission of data by states?
- □ New Generation: DOCO by 31st March 2015

Demand Generation Projection

- Demand Projection
 - Projection based on last 3 year's average of monthly peak demand met figures.
 - Projected all India peak demand met calculated.
 - Based on FORECAST function of MS-Excel
 - Data taken from monthly power supply position published by CEA.
 - Normalization factor: <u>Projected All India Peak Demand Met</u>

 Sum of projected met for all states

Load Generation Projection

| New Units | Plant Load Factor |
|--|-------------------|
| Thermal Units with DOCO from 1 st Jan to 31 st March | 70% |
| Hydro Units with DOCO 1st Jan to 31st March | 0% |
| Gas Units with DOCO 1 st Jan to 31 st March | 30% |

Demand and Generation

| | Q1 (May-Jun'15) (Based on Peak/Maximum Figures) | | | | | |
|-----------|---|--------------------|--|--|--|--|
| | Demand (MW) | Generation (MW) | | | | |
| NR | 46759 | | | | | |
| ER | 16494 | | | | | |
| WR | 43408 | | | | | |
| NER | 2139 | | | | | |
| SR | 36084 | | | | | |
| All India | 144884 | | | | | |

Demand Projection

- □ Northern Region
- □ Eastern Region
- □ Western Region
- □ North-Eastern Region
- □ Southern Region

Generation Projection (Including New Generation)

- □ Northern Region
- □ Eastern Region
- □ Western Region
- □ North-Eastern Region
- Southern Region

YTC Data received from Transmission Licensees

- Aravali Power Company Pvt. Ltd.
- Essar Power Transmission Company Ltd.
- Jaypee Powergrid Limited
- Parbati Koldam Trans. Co. Ltd
- **□** Jindal Power Ltd.
- Powerlinks Transmission Ltd.
- Torrent Power Grid Ltd.
- **□** Reliance Power Transmission Ltd.
- North East Transmission Company Limited
- **■** East North Inter-connection Ltd.
- Bhopal Dhule Transmission Company Ltd.
- **■** Raichur Sholapur Transmission company Ltd.
- Adani Power Limited
- **□** Jabalpur Transmission Company Ltd.

YTC Data not received from

■ Power Grid Corporation of India Limited.

Points for Discussion

3rd Amendment to PoC regulations: Points that need more clarification

- Definition of Approved Injection.
- Amendment to Regulation 7 of the Principal regulations (Page No. 4). Normalization of forecast generation w.r.t forecast All India Peak Demand Met.
- Amendment to Regulation 11 of the Principal Regulations (page No. 10). Treatment of HVDC charges.
- □ Sl. No. 3 at Page No. 16. Average cost of transmission assets for each ISTS Licensee.

Points for Discussion

3rd Amendment to PoC regulations: Points that need more clarification

- □ Page No.19, Last Paragraph. Approved Injection/Approved Withdrawal vs LTA+MTOA.
- Page No. 15 under sub-head 'For Generation Data'. In case of non-submission of injection data by SLDC, difference between peak met and withdrawal from ISTS based on actual metered data to be considered (for the time block corresponding to the block in which peak met occurred).

Points for Discussion

Other Issues

- YTC submitted by BDTCL.
 - Some elements are pre-requisite for declaring CoD of some other elements.
 - For example, CoD of 765kV Bhopal-Indore is conditional upon CoD of 765kV Jabalpur-Bhopal line.
 - Still, BDTCL has been claiming transmission tariff of 765 kV Bhopal-Indore line.
- Telangana State

Suggested Timeline for PoC Computations:

Ensuing Quarter: Application Period for which results are to be computed; For example: July to September

Present Quarter: Three months period during which the results will be computed for ensuing quarter; For example: April to June

.....Continued

Following dates of Present Quarter are suggested for executing various processes related to PoC Computation:

- By 10th of 1st month-Last Day for submission of tariff petitions by transmission licensees
- By 20th of 1st month- Submission of Node wise data by States/DICs
- By 30th of 1st month-Preparation of Basic network using nodal generation and nodal demand submitted by states/DICs
- □ **By 10**th **of 2**nd **month**-Provisional tariff orders by CERC
- By 10th of 2nd month-Validation Committee Meeting
- □ **By 15th of 2nd month**-Submission of Final YTC data to the Implementing Agency by Transmission Licensees
- By 10th of 3rd month-Submission of Final Result to CERC by the Implementing agency
- By 20th of 3rd month-Final order on PoC Charges and Losses by Central Electricity Regulatory Commission

Thank You!!

Demand Projection – Northern Region

| Entity | Q1(May-Jun'15) (MW) (Based on Peak Met figures) |
|----------------------|---|
| Chandigarh | |
| Delhi | |
| Haryana | |
| Himachal Pradesh | |
| Jammu & Kashmir | |
| Punjab | |
| Rajasthan | |
| Uttar Pradesh | |
| Uttarakhand | |
| Total | 46759 |
| Normalization Factor | 0.95 |

Demand Projection – Eastern Region

| Entity | Q1(May-Jun'15) (MW) (Based on Peak Met figures) |
|-------------|---|
| Bihar | |
| DVC | |
| Jharkhand | |
| Odisha | |
| West Bengal | |
| Sikkim | |
| Total | |

Demand Projection – Western Region

| Entity | Q1(May-Jun'15) (MW) (Based on Peak Met figures) |
|--------------------|---|
| Chhattisgarh | |
| Gujarat | |
| Madhya Pradesh | |
| Maharashtra | |
| Daman & Diu | |
| Dadra Nagar Haveli | |
| Goa | |
| ESIL Hazira | 500 |
| Total | 43408 |

Demand Projection – North-Eastern Region

| Back |
|------|
|------|

| Entity | Q1(May-Jun'15) (MW) (Based on Peak met Figures) |
|-------------------|---|
| Arunachal Pradesh | |
| Assam | |
| Manipur | |
| Meghalaya | |
| Mizoram | |
| Nagaland | |
| Tripura | |
| Total | |

Demand Projection – Southern Region

| Entity | Q1(May-Jun'15) (MW) (Based on Peak met Figures) |
|--------------------------|---|
| Andhra Pradesh+Telangana | |
| Karnataka | |
| Kerala | |
| Tamil Nadu | |
| Pondicherry | |
| Total | 36084 |

Generation Projection – Northern Region

| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL D=A+B+C | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|---------------------|--|---|--|------------------|---|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 1 | UP | | - | - | | - | - |
| 2 | Delhi | | <u>69</u> | - | | - | - |
| 3 | Haryana | | - | - | | As per email From CE(Comml) dtd. 16.04.15 | 3309 |
| 4 | Uttarakhand | | <u>14</u> | - | | - | - |
| 5 | Punjab | | <u>890</u> | 432 | | - | - |
| 6 | Rajasthan | | <u>554</u> | <u>393</u> | | - | - |
| 7 | Himachal Pradesh | | - | - | | - | - |
| 8 | Jammu & Kashmir | | - | - | | - | - |
| 9 | ВВМВ | 2371 | - | - | 2371 | - | - |

Generation Projection – Northern Region ...(2)

| S. No. | Entity | Projections based on 3 Years Data (A) | during | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL D=A+B+C | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|--------------------|--|--------|---|------------------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 10 | Dadri Thermal | 1798 | - | - | 1798 | - | - |
| 11 | Rihand | 2888 | - | - | 2888 | - | - |
| 12 | Singrauli | 1950 | - | - | 1950 | - | - |
| 13 | Unchahar | 1016 | - | - | 1016 | - | - |
| 14 | Auraiya | 420 | - | - | 420 | - | - |
| 15 | Dadri CCPP | 570 | - | - | 570 | - | - |
| 16 | NAPS | 289 | - | - | 289 | - | - |
| 17 | Jhajjar | 1039 | - | - | 1039 | - | - |
| 18 | DHAULIGANGA | 263 | - | - | 263 | | |
| 19 | Tanakpur | 90 | - | - | 90 | | |
| 20 | Koteshwar | 374 | - | - | 374 | - | - |
| 21 | Tehri | 630 | - | - | 630 | - | - |
| 22 | Anta | 333 | - | - | 333 | - | - |
| 23 | RAAP B,C | 785 | - | - | 785 | - | - |
| 24 | AD Hydro | 223 | - | - | 223 | - | - |
| 25 | Everest | 106 | - | - | 106 | - | - |
| 26 | Karcham Wangtoo | 1223 | - | - | 1223 | - | - |

Generation Projection – Northern Region ...(3)

| | | | | | | | <u>Back</u> |
|-----------|---------------|--|---|--|----------------------|--|------------------------------|
| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL D=A+B+ C | Comments/ Comments From DICs (if any) | Figure as per Comments |
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 27 | Bairasul | 185 | - | - | 185 | | |
| 28 | Chamera 1 | 567 | - | - | 567 | | |
| 29 | Chamera 2 | 311 | - | - | 311 | | |
| 30 | Chamera 3 | 199 | - | - | 199 | | |
| 31 | Naptha Jhakri | 1623 | - | - | 1623 | - | |
| 32 | Lanco Budhil | 70 | - | - | 70 | - | |
| 33 | DULHASTI | 408 | - | - | 408 | | |
| 34 | Salal | 686 | - | - | 686 | | |
| 35 | Sewa-II | 130 | - | - | 130 | | |
| 36 | URI I HPS | 488 | - | - | 488 | | |
| 37 | URI II HPS | 249 | | - | 249 | | |
| 38 | Sree Cement | 287 | - | - | 287 | - | - |
| 39 | Parbati III | 355 | - | - | 355 | | |
| 40 | Rampur HEP | 260 | <u>54</u> | - | 314 | - | - |

Generation Projection – Eastern Region...(1)

| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | CoD from 1 st Jan' 2015 to | TOTAL D=A+B+ C | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|-------------------|--|---|---------------------------------------|----------------------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 41 | West Bengal | | - | <u>196</u> | | - | - |
| 42 | Odisha | | - | - | | | |
| 43 | Bihar | | - | - | | - | - |
| 44 | Jharkhand | | - | - | | - | - |
| 45 | Sikkim | | - | - | | - | - |
| 46 | Chujachan | 106 | - | - | 106 | - | - |
| 47 | DVC | | - | - | | | |
| 48 | Durgapur Steel | 1402 | - | - | 1402 | - | |
| 49 | Koderma TPP | | - | - | | - | |
| 50 | MPL | 848 | - | - | 848 | - | - |
| 51 | Sterlite | 1147 | - | - | 1147 | - | - |

Generation Projection – Eastern Region...(2)

| 20 | |
|----|--|
| au | |

| S. No. | Entity | Projection s based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|------------------------|--|---|--|------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 52 | Teesta | 531 | - | - | 531 | | |
| 53 | Kahalgaon | 2092 | - | - | 2092 | | |
| 54 | Farakka | 1927 | - | - | 1927 | | |
| 55 | Talcher | 960 | - | - | 960 | | |
| 56 | Rangeet | 69 | - | - | 69 | | |
| 57 | Corporate Power | - | - | - | - | | |
| 58 | Adhunik Power | - | - | - | - | - | - |
| 59 | Barh | 284 | - | - | 284 | - | - |
| 60 | Kamalanga TPP (GMR) | 545 | - | - | 545 | - | - |
| 61 | JITPL | 561 | | <u>393</u> | 953 | - | - |
| 62 | Bhutan | 1357 | - | - | 1357 | - | - |
| | | | | | | | |

Generation Projection – Western Region...(1)

| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | IOIAL | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|---------------------|--|---|---|-------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 63 | MP | | <u>556</u> | <u>393</u> | | | |
| 64 | Maharashtra | | <u>1309</u> | <u>177</u> | | | |
| 65 | Chattisgarh | | <u>327</u> | <u>16</u> | | | |
| 66 | Gujarat | | <u>97</u> | - | | | |
| 67 | Goa | | - | - | | | |
| 68 | D&D | | - | - | | | |
| 69 | DNH | | - | - | | | |
| 70 | Vindhyachal | 3055 | - | - | 3055 | | |
| 71 | Ratnagiri Dabhol | 767 | - | - | 767 | | |
| 72 | TAPS (1,2,3,4) | 1051 | - | - | 1051 | - | - |
| 73 | JINDAL | 365 | - | - | 365 | -As per data given by Jindal | - |
| 74 | LANCO | 289 | - | - | 289 | - | - |
| 75 | NSPCL Bhilai | 483 | - | - | 483 | - | - |
| 76 | Korba | 2535 | - | - | 2535 | - | - |

Generation Projection – Western Region ... (2)

| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 | TOTAL D=A+B+C | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|----------------|--|--|--|------------------|--|------------------------------|
| | | | (B) | (C) | | | |
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 77 | SIPAT | 2566 | - | - | 2566 | - | - |
| 78 | CGPL | 3086 | - | - | 3086 | - | - |
| 79 | Mauda | 690 | <u>330</u> | - | 1020 | - | - |
| 80 | Gandhar | 532 | - | - | 532 | - | - |
| 81 | Kawas | 541 | - | - | 541 | - | - |
| 82 | KAPS | 401 | - | - | 401 | - | - |
| 83 | Essar Mahan | 171 | - | - | 171 | - | - |
| 84 | BALCO | 92 | - | - | 92 | - | - |
| 85 | KSK Mahanadi | 299 | <u>393</u> | - | 692 | - | - |
| 86 | Vandana Vidyut | - | <u>88</u> | <u>88</u> | 177 | - | - |
| 87 | Sasan UMPP | 2491 | 432 | <u>-</u> | 2923 | - | - |
| 88 | Tamnar TPP | 465 | | | 465 | -As per data given by | - |

Generation Projection – Western Region ... (3)

| | | | | | | | <u>Back</u> |
|-----------|-----------------------|--|------------|---|------------------|--|----------------------------------|
| S. No. | Entity | Projections based on 3 Years Data (A) | during | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL D=A+B+C | Comments/ Comments From DICs (if any) | Figure as per Comment s |
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 89 | DGEN | - | <u>524</u> | | 524 | - | - |
| 90 | DB Power | - | <u>393</u> | - | 393 | - | - |
| 91 | Korba West | - | <u>393</u> | - | 393 | 393 - | |
| 92 | Dhariwal | - | <u>-</u> | - | - | - | - |
| 93 | Raikheda TPP (GMR) | - | - | 448 | 448 | | |
| 94 | JP Nigrie | - | 432 | - | 432 | <u>-</u> | - |

Generation Projection - North-Eastern Regieration

| S. No. | Entity | Projections based on 3 Years Data (A) | during | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL D=A+B+C | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|--------------------------|--|-----------|--|------------------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 95 | AGTPP, NEEPCO | 79 | - | - | 79 | - | - |
| 96 | Doyang, NEEPCO | 47 | - | - | 47 | - | - |
| 97 | Kopili, NEEPCO | 187 | - | - | 187 | - | - |
| 98 | Khandong, NEEPCO | 36 | - | - | 36 | - | - |
| 99 | Ranganadi, NEEPCO | 414 | - | - | 414 | - | - |
| 100 | Kathalguri | 225 | - | - | 225 | - | - |
| 101 | Loktak, NHPC | 104 | - | - | 104 | | |
| 102 | Palatana GBPP | 346 | - | - | 346 | - | - |
| 103 | Arunachal Pradesh | - | - | - | - | - | - |
| 104 | Assam | - | - | - | - | - | - |
| 105 | Manipur | - | - | - | - | - | - |
| 106 | Meghalaya | - | <u>20</u> | - | - | - | - |
| 107 | Nagaland | - | - | - | - | - | - |
| 108 | Tripura | - | - | - | - | - | - |
| 109 | Mizoram | - | - | - | - | - | - |

| G | eneratio | on Proj | ection | – Sout | hern | Regio | n(1) |
|-----------|----------------|--|---|---|-------|--|---------------|
| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL | Comments / Comments From DICs (if any) | Figure as ner |
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 110 | Andhra Pradesh | | - | <u>524</u> | | - | - |

| | | Projections | addition | COD trom T | | Comments | |
|-----|--------|--------------------|-------------------------|----------------------|--------|-----------|----------|
| | | riojections | audition | Jan' 2015 to | ΤΩΤΔΙ | / | |
| S. | _ | based on 3 | during | _ | | ' | Figure a |
| | Entity | | | 31 st Mar | D=A+B+ | Comments | • |
| No. | 1 | Years Data | 1° July'14 – | '2015 | | | Comm |
| | | / A \ | 31 st Dec'14 | 2013 | C | From DICs | |
| | | (A) | 21 Dec 14 | | | /:£\ | |

Karnataka

Kerala

Tamil Nadu

Pondy

Ramagundam

Simhadri

SEPL

Lanco

Kondapalli

Generation Projection – Southern Region...(2)

| S. No. | Entity | Projections based on 3 Years Data (A) | Generation addition during 1 st July'14 – 31 st Dec'14 (B) | Generation CoD from 1 st Jan' 2015 to 31 st Mar '2015 (C) | TOTAL | Comments/ Comments From DICs (if any) | Figure as per Comments |
|-----------|------------------------|--|---|---|-------|--|------------------------------|
| | | (MW) | (MW) | (MW) | (MW) | | (MW) |
| 119 | Kaiga | 695 | - | - | 695 | - | - |
| 120 | NEYVELI (EXT) TPS | 561 | - | - | 561 | - | - |
| 121 | NEYVELI TPS-II | 749 | - | - | 749 | - | - |
| 122 | NEYVELI TPS-II EXP | 397 | - | - | 397 | - | - |
| 123 | MAPS | 249 | - | - | 249 | - | - |
| 124 | Vallur | 771 | - | <u>327</u> | 1098 | - | - |
| 125 | Thermal Powertech | - | - | <u>432</u> | 432 | | |
| 126 | Meenakhshi | 227 | - | - | 227 | - | - |
| 127 | Coastal Energen | - | <u>386</u> | - | 386 | | |
| 128 | Kudankulam | 893 | | - | 893 | - | - |
| 129 | Import from Talcher | 1819 | - | - | 1819 | - | - |

Expected Generation addition – Northern Region (1)

| | | | | | | | | | Bac | <u> </u> |
|-------------|---------------------|----------------------|-----------------------|---------------------------|--|-------------------|-------------|-----------------------|--------------------|----------|
| | Generation <i>i</i> | After 1 ^s | t July '14 ti | ill 31 st Dec' | Generation declared Commercial from 1 st Jan' 2015 to 31 st Mar '2015 | | | | | |
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) |
| Delhi | Pragati CCGT-III | 2 | 250 | 69 | 69 | | | | | |
| | Bhilangana | 1 | 8 | 5 | | | | | | |
| Uttarakhand | Bhilangana | 2 | 8 | 5 | 14 | | | | | |
| | Bhilangana | 3 | 8 | 5 | | | | | | |
| Punjab | Rajpura TPP | 2 | 700 | 458 | 890 | Talwandi Saboo | 2 | 660 | 432 | 432 |
| runjab | Talwandi Saboo | 1 | 660 | 432 | 830 | | | | | |
| Pajasthan | Chhabra-II | 4 | 250 | 161 | 554 | Kalisindh | 2 | 600 | 393 | 393 |
| Rajasthan | Kalisindh | 1 | 600 | 393 | 554 | | | | | |

Expected Generation addition – Northern Region...(2)

| | D . | | 5 I. | _ |
|--|------------|-----|------|---|
| | | 211 | | |
| | | МΝ | | |

| | Generatio | on After 1 | st July '14 till | Generation | | ed Comme o 31 st Mar | rcial from 1 ⁵ '2015 | st Jan' | | |
|------------|------------|------------|-----------------------------|--------------------|-------|------------------------------------|------------------------------------|-----------------------|--------------------|-------|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) |
| | Rampur HEP | 4 | 69 | 27 | 54 | | | | | |
| Rampur HEP | Rampur HEP | 6 | 69 | 27 | 34 | | | | | |
| | | | | | | | | | | |

Expected Generation addition – Eastern Region

| | B | a | C | k | |
|--|---|---|---|---|--|
| | | | | | |

| | | | | | | <u> Baek</u> | | | | | |
|-------------|--|---------|--------------------------|---------------------------|----------------|--------------|------------------------------------|--------------------|-----------------|------|--|
| | Generation | After 1 | st July '14 † | till 31 st Dec | Generation dec | | ommercial ^t Mar '201 | | n' 201 5 | | |
| Entity | Bus Name Unit Installed Gen. No. Capacity considered | | | | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | | |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) | |
| West Bengal | | | | | | Haldia TPP | 1 | 300 | 196 | 196 | |
| JITPL | | | | | | JITPL | 2 | 600 | 393 | 393 | |

Expected Generation addition – Western Region...(1)

| | Generation A | fter 1 st | July '14 til | l 31 st Dec'1 | Generatio | ration declared Commercial from 1 st Jan' 2015 to 31 st Mar '2015 | | | | | | |
|-------------|--------------------------------|----------------------|-----------------------|--------------------------|-----------|--|----------|-----------------------|--------------------|-------|--|--|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | | |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) | | |
| MP | Satpura TPP Extn | 11 | 250 | 164 | 556 | Malwa | 2 | 600 | 393 | 393 | | |
| IVIF | Malwa | 1 | 600 | 393 | 330 | Widiwd | | 000 | 393 | 333 | | |
| | Vidarbha Power Ltd. | 2 | 300 | 196 | | Amravati (Indiabulls) | 3 | 270 | 177 | 177 | | |
| | Bela TPP | 1 | 270 | 177 | | | | | | | | |
| Maharashtra | Bhusawal II | 2 | 500 | 327 | 1309 | | | | | | | |
| | Nasik(Sinner) (india-bulls) | 1 | 270 | 177 | | | | | | | | |
| | Tirora TPP Ph-II | 2 | 660 | 432 | | | | | | | | |

Expected Generation addition – Western Region (2)

| | Generation A | After 1 st | July '14 till | 31 st Dec'1 | | on declared Commercial from 1 st Jan' 2015 to 31 st Mar '2015 | | | | |
|----------------|-----------------------|-----------------------|-----------------------|------------------------|-------|--|-------------|-----------------------|--------------------|-------|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) |
| Chhattisgarh | Marwa TPS | 1 | 500 | 327 | 327 | Swastik TPP | 1 | 25 | 16 | 16 |
| Gujarat | Pipavav | Block 1 | 351 | 97 | 97 | | | | | |
| Mauda | Mauda | 2 | 500 | 330 | 330 | | | | | |
| KSK Mahanadi | KSK Mahanadi | 2 | 600 | 393 | 393 | | | | | |
| Vandana Vidyut | Vandana Vidyut TPP | 1 | 135 | 88 | 88 | Vandana Vidyut TPP | 2 | 135 | 88 | 88 |

Expected Generation addition – Western Region (3)Back

| | Generation | After 1 st J | uly '14 till | Generation declared Commercial from 1 st Jan' 2015 to 31 st Mar '2015 | | | | | | |
|---------------|--------------|-------------------------|-----------------------|---|-------|------------|-------------|-----------------------|--------------------|-------|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) |
| Sasan UMPP | Sasan UMPP | 3 | 660 | 432 | 432 | | | | | |
| Tamnar TPP | Tamnar TPP | 1 | 600 | 393 | 786 | Tamnar TPP | 3 | 600 | 393 | 393 |
| | Tamnar TPP | 2 | 600 | 393 | | | | | | |
| DGEN | DGEN | 1 | 400 | 262 | 524 | | | | | |
| DGEN | DGEN | 2 | 400 | 262 | 324 | | | | | |
| DB Power Ltd. | DB Power Ltd | 1 | 600 | 393 | 393 | | | | | |
| Korba West | Korba West | 1 | 600 | 393 | 393 | | | | | |
| Raikedha TPP | Raikedha TPP | 1 | 685 | 448 | 448 | | | | | |
| JP Nigrie | JP Nigrie | 1 | 660 | 432 | 432 | | | | | |

Expected Generation addition – Southern Region

| | Generation A | fter 1 | st July '14 | till 31 st Dec | | | ared Commercial from 1 st Jan' 5 to 31 st Mar '2015 | | | | |
|-----------------------|-----------------------|-------------|-----------------------|---------------------------|---------------|----------|--|-----------------------|--------------------|-------|--|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | |
| | (MW) | | | | | | | (MW) | (MW) | (MW) | |
| Andhra Pradesh | Andhra Pradesh | | | | | | 1 | 800 | 524 | 524 | |
| Thermal Power Tech | Thermal Power Tech | 1 | 660 | 432 | 432 | | | | | | |
| Vallur | | | | | Vallur TPP II | 3 | 500 | 327 | 327 | | |
| Coastal Energen | Coastal Energen | 1 | 600 | 386 | | | | | | | |

Expected Generation addition –North Eastern Region

| | D | _ | | |
|--|---|----------|----------|---|
| | D | <u>a</u> | <u>C</u> | K |

| | Generation <i>i</i> | After 1 st | July '14 til | l 31 st Dec' | Generation declared Commercial from 1 st Jai 2015 to 31 st Mar '2015 | | | | | |
|-----------|----------------------------|-----------------------|-----------------------|-------------------------|---|----------|-------------|-----------------------|------------------------|-------|
| Entity | Bus Name | Unit No. | Installed Capacity | Gen. considered | Total | Bus Name | Unit No. | Installed Capacity | Gen. consider ed | Total |
| | | | (MW) | (MW) | (MW) | | | (MW) | (MW) | (MW) |
| Meghalaya | Meghalaya Power Limited | 2 | 45 | 20 | 20 | | | | | |