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• Annual Accounts for FY2012-13 have been approved by the shareholders.
Latest Highlights

Indo-Bangladesh power exchange commenced

RGGVY works in UP under XII Plan and XI Plan

Smart Grid
- Consultancy works from 6 DISCOMs
  - Puducherry pilot project completed

Energy Efficiency: CARE BEE Grade 1 ESCO
POWERGRID Today – An Overview

A ‘NAVRATNA’ ENTERPRISE
CENTRAL TRANSMISSION UTILITY
LISTED COMPANY
PAYING DIVIDEND SINCE 1993-94
CONSISTENTLY RATED ‘EXCELLENT’ BY GoI

Vision
World Class, Integrated, Global Transmission Company With Dominant Leadership in Emerging Power Markets
Ensuring Reliability, Safety and Economy

Tr. Lines (as on 30-09-2013)
102,109 ckm
Inter-Regional capacity
31,850 MW

S/S & MVA (as on 30-09-2013)
172 Nos.
172,378 MVA

Operating Parameters (Q2FY14)
Availability: 99.90%
Reliability: 0.12 Trippings per line

Credit Ratings
- Domestic
  • AAA
  • Stable
- International
  • AAA
  • Stable

- CRISIL
  • AAA
  • Stable
- ICRA
  • AAA
  • Stable
- CARE
- S&P
  • BBB (-)
  • Negative Outlook
- Fitch
  • BBB (-)
  • Stable Outlook

One Nation One Grid
## Financial Performance: Q2 FY13-14

<table>
<thead>
<tr>
<th></th>
<th>Quarter ended</th>
<th>Half year ended</th>
<th>FY 2012-13</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Transmission Charges</td>
<td>3713</td>
<td>2960</td>
<td>7104</td>
</tr>
<tr>
<td>- Consultancy Income-</td>
<td>56</td>
<td>68</td>
<td>122</td>
</tr>
<tr>
<td>Services</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Consultancy Revenue</td>
<td>157</td>
<td>186</td>
<td>86</td>
</tr>
<tr>
<td>- Sale of Products</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Telecom</td>
<td>73</td>
<td>58</td>
<td>147</td>
</tr>
<tr>
<td>- Other Income</td>
<td>105</td>
<td>157</td>
<td>179</td>
</tr>
<tr>
<td><strong>Total Income</strong></td>
<td>4104</td>
<td>3243</td>
<td>7738</td>
</tr>
<tr>
<td><strong>Operating Expenses</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(including prior period adjustment)</td>
<td>617</td>
<td>403</td>
<td>1111</td>
</tr>
<tr>
<td><strong>EBITDA-Gross Margin</strong></td>
<td>3487</td>
<td>2840</td>
<td>6627</td>
</tr>
<tr>
<td><strong>Depreciation</strong></td>
<td>966</td>
<td>825</td>
<td>1930</td>
</tr>
<tr>
<td><strong>Interest</strong></td>
<td>801</td>
<td>529</td>
<td>1561</td>
</tr>
<tr>
<td><strong>Tax</strong></td>
<td>481</td>
<td>360</td>
<td>856</td>
</tr>
<tr>
<td><strong>Profit after Tax</strong></td>
<td>1239</td>
<td>1126</td>
<td>2280</td>
</tr>
</tbody>
</table>
# Financial Performance: Q2 FY 13-14

<table>
<thead>
<tr>
<th></th>
<th>As on 31.03.2013</th>
<th>As on 30.06.2013</th>
<th>As on 30.09.2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Fixed Assets</td>
<td>80600</td>
<td>83550</td>
<td>87107 (@)</td>
</tr>
<tr>
<td>Capital Work-in-Progress</td>
<td>40153</td>
<td>42300</td>
<td>47626(#)</td>
</tr>
<tr>
<td>Debt</td>
<td>66168</td>
<td>72094</td>
<td>77710</td>
</tr>
<tr>
<td>Net Worth</td>
<td>26213</td>
<td>27254</td>
<td>28493</td>
</tr>
<tr>
<td>Earning Per Share (₹)</td>
<td>9.15</td>
<td>2.25*</td>
<td>4.92*</td>
</tr>
<tr>
<td>Book Value per Share (₹)</td>
<td>56.62</td>
<td>58.87</td>
<td>61.54</td>
</tr>
</tbody>
</table>

## Key Financial Ratios

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Debt : Equity</td>
<td>72:28</td>
<td>73:27</td>
<td>73:27</td>
</tr>
<tr>
<td>Return on Net Worth</td>
<td>16.15%</td>
<td>3.82%*</td>
<td>7.83%*</td>
</tr>
</tbody>
</table>

* Not Annualized

(@) including FERV adjustment
(#) excluding FERV adjustment

*One Nation One Grid*
Billing & Realization – H1FY14

Billing
₹ 6,708 crore

Realization
₹ 6,738 crore

%age realization
101%

Avg. Monthly Billing: ₹ 1186 crore => 2mnths (60 days’) billing = ₹ 2372 crore

Balance due but not outstanding (<60 days allowed as per CERC) = ₹ 1,275 crore

<table>
<thead>
<tr>
<th>Description</th>
<th>₹ in crore</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outstanding &gt; 60 days (as on date)</td>
<td>476</td>
</tr>
<tr>
<td>Tied-Up payments (receiving in installments)</td>
<td>172</td>
</tr>
<tr>
<td>Held Up due to court cases</td>
<td>210 (*)</td>
</tr>
<tr>
<td>Undisputed Outstanding &gt; 60 days</td>
<td>94</td>
</tr>
</tbody>
</table>

(*) In line with the Interim Order issued by Hon’ble Delhi High Court on 30.07.2013 directing the respective constituents to make payments as per POC, all litigant constituents except one have started making payments as per POC and the outstanding dues are also being cleared in installments.

Outstanding (as on date) equivalent to ~ 2 days’ billing
Project Execution: H1 FY 13-14

- **Capitalisation** (₹ in crore): 6507*
  - As on date: ₹ 7075 cr.

- **Capex** (₹ in crore): 10895
  - As on date: ₹ 11500 cr.

- **X-formation Capacity (MVA)**
  - S/S: 5 Nos.: 7615
  - Total: 7615

- **Tr. Line (GW-ckm)**: 2849
  - Total: 3550

(*) including FERV adjustment
Projects Targeted for FY 14

Transmission Lines
~ 12,000 GW-ckm

Sub-Stations
17 Nos.
~ 40,000 MVA

Inter-Regional Capacity
4,200 MW

Major Lines
- Agra - Jhatikara
- Agra - Meerut
- Parbati Pooling-Amritsar
- Sasan - Satna II
- Behrampur-Bheramara (Indo-Bangladesh I/C line)
- Fatehpur - Agra II
- TPCIL – Nellore
- Raigarh (Kotra) PS – Raigarh
- Agra - Sikar
- Silchar – Imphal
- Silchar – Purba Kanchan Bari
- Raigarh (Kotra) – Raipur (Durg)
- Raigarh (Kotra) – Raigarh (Tamnar)
- Meerut - Bhiwani
- Balipara - Bong’gaon
- Raigarh - Champa PS - Raipur
- Satna – Gwalior
- Jabalpur PS - Bina
- Bina - Gwalior

Major Sub-stations
- Raigarh (Kotra)
- Indore
- Parbati PS
- Behrampur (for Bangladesh interconnection)
- New Wanpoh (J&K)
- Raigarh (Tamnar)
- Dharmjaygarh
- Jabalpur
- Raichur
- Kala (DNH)
- Magarwada (DD)

Inter-Regional
- Sasaram - Fatehpur II
- Raichur - Sholapur

Green Font indicates completed lines/ sub-stations

Indo-Bangladesh Inter-connection
Commissioned

Transnational link
POWERGRID Today
Financial Performance
Project Execution
Operations
Diversifications
New Initiatives
Investment Programme
Operations

Asset Management

Availability (Apr’13-Sep’13) 99.90%

Consistently improving operations

Grid Management\(^1\) (POSOCO)

Consistent increase in STOA Transactions and Inter-Regional Energy Transfer

REC Trading

Increase in Q2FY14 over Q1FY14

- 94% increase in no. of RECs issued
- 50% increase in no. of RECs traded

Aggregate Registered Capacity: 3817 MW (as on date)
Cumulative RECs issued till Sep’13: 77.63 lakh

One Nation One Grid

1- carried out through Power System Operation Corporation Limited, a wholly owned subsidiary of POWERGRID,
POWERGRID Today

Financial Performance

Project Execution

Operations

Diversifications

New Initiatives

Investment Programme
**Consultancy- Highlights: Q2FY14**

### Domestic

- **Orders**
  - 4 New Orders
  - 1 Govt., 3 Private

- **Customer Satisfaction**
  - Reflected in repeat business

- **Under Execution**
  - 117 assignments
  - Project Cost (Balance) ₹ 10,800 crore (*)

- **Offers under consideration**
  - More than 40 Assignments
  - Project Cost: above ₹ 7000 crore

### International

- **Orders**
  - 2 Orders received
  - 2 New clients

- **Reach**
  - 14 Countries
  - 1 new country added

- **Under Execution**
  - 21 assignments

- **Offers under consideration**
  - 2 new countries

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(*) incl. Project work of more than Rs.8,000 cr. in NER, execution of which shall be taken up in phases

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**Clients**
- State Utilities (Govt.)
- Govt. Institutions
- CPSUs
- Private Sector

**Projects**
- Project Mgt. Unit established for WB-NER works
- HVDC assignment in Bangladesh completed

**Countries**
- Afghanistan
- Bangladesh
- Nepal
- Bhutan
- Sri Lanka
- Kenya
- Ethiopia
- Nigeria
- Myanmar
- Tajikistan
- UAE
- Kyrgyz Republic
- Pakistan
- Congo

**Offered Countries**
- Afghanistan
- Bangladesh
- Nepal
- Bhutan
- Sri Lanka
- Kenya
- Ethiopia
- Nigeria
- Myanmar
- Tajikistan
- UAE
- Kyrgyz Republic
- Pakistan
- Congo
Q2 Highlights

- 5 new clients added
  - 1 from Govt sector; 4 from Pvt. Sector
- Q2FY14 Income: ₹ 73.47 crore
  - ~26% increase over Q2FY13

MPLS (Multi Protocol Label Switching)

- Roll-out expected in FY14
- Empanelment of Partners in process
POWERGRID Today
Financial Performance
Project Execution
Operations
Diversifications
New Initiatives
Investment Programme
New Initiatives - Updates

Smart Grid/City

- Pilot Project in Puducherry completed
  - All major attributes covered integrated with Smart Grid Control Center
  - 1400 consumers integrated, net-metering, outage mgt. system, power quality mgt., solar powered electric vehicle, street light automation etc.
- Smart Energy Home Mgt. Systems
- Analytics development using PMU data for WAMS
- Participation in JV
  - Development of Smart Grid in Dholera (Guj.) under DMIC

Green Energy Corridors

- Integration of about 30-40GW renewable capacity envisaged
- Indo-German Co-operation
  - Loans of upto €1bn by KfW for Intra and Inter-State Transmission development
  - Technical Assistance for Renewable Control Centre
  - Process initiated for availing loans from KfW

Concept Plan for Desert Power India 2050 being evolved
New Initiatives - Updates (contd.)

**JVs with States**
- 2 JVs formed (Bihar & Odisha) - Project Cost ₹ 8800 crore
- NITs issued for Bihar projects

**Wire Business/Smart Grid**
- MOU signed with DMIC, GICC for Dholera Special Investment Region for T&D

**Energy Efficiency**
- 1st Order received for implementation of Energy Efficiency solution received
- Completed 9 Energy Audit assignments in varied infrastructure sectors

State of the art
‘POWERGRID RESEARCH & TECHNOLOGY CENTER’ being established
One Nation One Grid

Investment Programme – XII Plan

Projects/ Schemes (₹100,000 crore)

- IPPs: ₹48,000 cr
- CS Gen: ₹25,000 cr
- Grid Strengthening: ₹18,000 cr
- UMPP & Others: ₹9,000 cr

Capex Planned earlier

- FY13: ₹20,000 cr
- FY14: ₹20,000 cr
- FY15: ₹20,000 cr
- FY16: ₹20,000 cr
- FY17: ₹20,000 cr

Capex Anticipated now *

- FY13: ₹20,037 cr.
- FY14: ₹22,150 cr.
- (₹11,500 cr till date)
- FY15: ₹22,450 cr.
- FY16: ₹22,500 cr.
- FY17: ₹22,550 cr.

Projects/ Schemes anticipated now *

- ₹110,000 crore

3rd SPV (Vizag Transmission Ltd.) acquired under Tariff Based Competitive Bidding

(*) Additional Projects: Tariff Based Bidding Projects; Projects assigned by GoI; Green Energy Corridors; Intra-State Projects; Transnational Interconnections
Thank You