Fastest Growing Electric Utility in Asia
An S&P BSE SENSEX Company

Q1 FY 2016-17
Press & Analysts’ Meet

Mumbai
August 17, 2016
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- Annual Accounts for FY2015-16 are yet to be approved by the shareholders.
Transmission – A Paradigm Shift

POWERGRID Today

Performance (Q1FY17)
- Financial
- Operational

Performance (Q1FY17)
- Consultancy
- Telecom

Projects in FY17

Investment Programme & Outlook

Investors’ Response to Company’s Growth

Recent Accolades
PARADIGM SHIFT in Transmission

From Building Evacuation Systems to Market Enabler
Hon’ble PM on Independence Day referred

- **Importance of Transmission**
  - Expressed satisfaction over laying of 50,000 km of transmission lines

- **One Nation – One Grid – One Price**
  - Due to One Nation One Grid and availability of transmission, there is free flow of power from surplus to deficit zones
Power Delivery Chain

Inter-State
- POWEGRID, Pvt.
- Few Intra-State

Intra-State (STU)

DISCOMs

DISCOM 1,2......n

State-1

State-2

State-n
Need of Transmission

➢ Demand centers and sources of energy are polarised
  ▪ Uneven disposition of primary energy resources – coal (ER/Central India) & hydro (NER/NR)
  ▪ Demand at far-off locations in WR/SR/NR

➢ Transportation of coal difficult & costly, especially Indian coal have 30-40% ash content

➢ Laying of rail infrastructure difficult than laying transmission

➢ Provide reliability

➢ Integration of renewable energy sources

➢ Merchant power market

➢ Access to cheaper power
All-India Growth in Transmission - XII Plan (4 years)

As on Mar-12

<table>
<thead>
<tr>
<th>TL</th>
<th>257,481 ckm</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-fmn Cap.</td>
<td>411,001 MVA</td>
</tr>
<tr>
<td>I-R Cap.</td>
<td>27,750 MW</td>
</tr>
</tbody>
</table>

As on Mar-16

<table>
<thead>
<tr>
<th>TL</th>
<th>341,551 ckm</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-fmn Cap.</td>
<td>658,949 MVA</td>
</tr>
<tr>
<td>I-R Cap.</td>
<td>59,050# MW</td>
</tr>
</tbody>
</table>

765kV lines
5,250 ckm to 24,245 ckm
(4.6x in 4 years)

33% increase in Trans. Line (ckm)

60% increase in X-fmn Capacity (MVA)

150% increase in I-R Power Transfer Capacity (MW)

7% lines at 765kV

2% lines at 765kV

Source:
GEA Monthly Executive Summary Reports - for All-India data
POWERGRID - for POWERGRID data (incl. 132 & 66kV lines also which constitute less than 1% of total All-India ckm and only 2% of PG’s own assets)
Addition during XII Plan (4 yrs: Apr12-Mar16)

TL: 43%

X-fmn Cap.: 65%

I-R Cap.: 81%

ckm

84,070

36,373

MVA

2,47,948

1,61,798

I-R Capacity

31,900

25,700

Source:
CEA Monthly Executive Summary Reports - for All-India data
POWERGRID - for POWERGRID data (incl. 132 & 66kV lines also which constitute less than 1% of total All-India ckm and only 2% of PG's own assets)
## Trans. Growth – Enabling Cost Optimization

<table>
<thead>
<tr>
<th></th>
<th>FY12</th>
<th>FY16</th>
<th>Growth</th>
<th>CAGR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Generation (MU)</strong></td>
<td>876,888</td>
<td>1,107,386</td>
<td>230,498</td>
<td>6.01%</td>
</tr>
<tr>
<td><strong>I-R Energy Transfer (MU)</strong></td>
<td>58,999</td>
<td>117,000</td>
<td>58,001</td>
<td>18.67%</td>
</tr>
<tr>
<td><strong>I-R Energy Transfer as % of Generation</strong></td>
<td>6.73%</td>
<td>10.57%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STOA – Energy (MU)</strong></td>
<td>66,987</td>
<td>98,000</td>
<td>31,013</td>
<td>9.98%</td>
</tr>
<tr>
<td><strong>STOA (Energy) as % of Generation</strong></td>
<td>7.64%</td>
<td>8.85%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- I-R Power Transfer grew at ~19%
- Availability of Transmission encouraged enhanced market operations leading to reduced prices for buyers
Transmission- an Investment, not Cost

Transmission Growth has led to:

- Reduced power prices for buyers
  (Discoms, Distribution Open Access Customers)
- Net gains for Buyers - even after buying power from distant sources and paying for transmission
- Cheaper power sourced from far away places, economically
- Consistent Reduction in congestion
Trans. Growth – Enabling Cost Optimization

Movement of Weighted Average Prices

<table>
<thead>
<tr>
<th></th>
<th>Through Traders</th>
<th>Power Exchange (IEX)</th>
<th>Deviation Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INR / kWh</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug-08</td>
<td>7.00</td>
<td>8.00</td>
<td>6.00</td>
</tr>
<tr>
<td>Dec-08</td>
<td>7.50</td>
<td>8.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Apr-09</td>
<td>8.00</td>
<td>9.00</td>
<td>7.00</td>
</tr>
<tr>
<td>Aug-09</td>
<td>8.50</td>
<td>9.50</td>
<td>7.50</td>
</tr>
<tr>
<td>Dec-09</td>
<td>9.00</td>
<td>10.00</td>
<td>8.00</td>
</tr>
<tr>
<td>Apr-10</td>
<td>9.50</td>
<td>10.50</td>
<td>8.50</td>
</tr>
<tr>
<td>Aug-10</td>
<td>10.00</td>
<td>11.00</td>
<td>9.00</td>
</tr>
<tr>
<td>Dec-10</td>
<td>10.50</td>
<td>11.50</td>
<td>9.50</td>
</tr>
<tr>
<td>Apr-11</td>
<td>11.00</td>
<td>12.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Aug-11</td>
<td>11.50</td>
<td>12.50</td>
<td>10.50</td>
</tr>
<tr>
<td>Dec-11</td>
<td>12.00</td>
<td>13.00</td>
<td>11.00</td>
</tr>
<tr>
<td>Apr-12</td>
<td>12.50</td>
<td>13.50</td>
<td>11.50</td>
</tr>
<tr>
<td>Aug-12</td>
<td>13.00</td>
<td>14.00</td>
<td>12.00</td>
</tr>
<tr>
<td>Dec-12</td>
<td>13.50</td>
<td>14.50</td>
<td>12.50</td>
</tr>
<tr>
<td>Apr-13</td>
<td>14.00</td>
<td>15.00</td>
<td>13.00</td>
</tr>
<tr>
<td>Aug-13</td>
<td>14.50</td>
<td>15.50</td>
<td>13.50</td>
</tr>
<tr>
<td>Dec-13</td>
<td>15.00</td>
<td>16.00</td>
<td>14.00</td>
</tr>
<tr>
<td>Apr-14</td>
<td>15.50</td>
<td>16.50</td>
<td>14.50</td>
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<tr>
<td>Aug-14</td>
<td>16.00</td>
<td>17.00</td>
<td>15.00</td>
</tr>
<tr>
<td>Dec-14</td>
<td>16.50</td>
<td>17.50</td>
<td>15.50</td>
</tr>
<tr>
<td>Apr-15</td>
<td>17.00</td>
<td>18.00</td>
<td>16.00</td>
</tr>
<tr>
<td>Aug-15</td>
<td>17.50</td>
<td>18.50</td>
<td>16.50</td>
</tr>
<tr>
<td>Dec-15</td>
<td>18.00</td>
<td>19.00</td>
<td>17.00</td>
</tr>
<tr>
<td>Apr-16</td>
<td>18.50</td>
<td>19.00</td>
<td>17.50</td>
</tr>
</tbody>
</table>

XII Plan commences
SR-NEW Grid connected

Source: CERC MMC Data
## Consistent Reduction in Congestion

### Electricity that could not be cleared due to congestion as % of total electricity generated

<table>
<thead>
<tr>
<th></th>
<th>Total Electricity Generated (BU)</th>
<th>Electricity that could not be cleared due to congestion (BU)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY14</td>
<td>967</td>
<td>5.59</td>
</tr>
<tr>
<td>FY15</td>
<td>1,048</td>
<td>3.14</td>
</tr>
<tr>
<td>FY16</td>
<td>1,107</td>
<td>2.16</td>
</tr>
</tbody>
</table>

- **FY14**: 0.58%
- **FY15**: 0.30%
- **FY16**: 0.20%
Continued momentum in Transmission Development

- Rising need for flexibility in the grid
- Optimal utilisation of uneven distribution of energy resources
- About 20-21GW of excess capacity available – lot of potential to access of cheaper power; demands Inter- regional links
- Demand levelling
Congestion Management - Capacity Augmentation

WR - NR
- Present: 7,900 MW
- Envisaged by 2020: 20,000 MW

NEW Grid – SR
- Present: 5,900 MW
- Envisaged by 2020: 18,400 MW
New Technology in Transmission

Adoption of Higher Voltages

- 765kV
- ±800kV HVDC
- 1200kV UHVAC

- STATCOM
- Smart Grid (WAMS-PMU)
- Reconductoring
Use of New Technology in Transmission

Use of Unmanned Aerial Vehicles (Drones)

Aerial Patrolling using Helicopters
Use of New Technology in Transmission

Hot Line Maintenance

Emergency Restoration System (ERS)
POWERGRID Today
POWERGRID Today

- A ‘NAVRATNA’ ENTERPRISE
- CENTRAL TRANSMISSION UTILITY
- LISTED COMPANY since 2007
- GOVT. SHAREHOLDING 57.90%
- PAYING DIVIDEND SINCE 1993-94
- Market Capitalization ₹ 92,887 crore

✓ >90% ISTS Transmission Network owned by POWERGRID

✓ Trans. Lines: 1055 Nos. - 131,728 ckm

✓ Sub-stations: 213 Nos. - 265,663 MVA

✓ State-of-the-art technologies like HVDC, SVC, FACTS etc.

✓ >45% power generated in India transmitted through POWERGRID

CREDIT RATINGS

- Domestic
  - AAA
  - Stable
  - CRISIL
  - AAA
  - Stable
  - ICRA
  - AAA
  - Stable
  - CARE

- International
  - BBB (-)
  - Stable Outlook
  - S&P
  - BBB (-)
  - Stable Outlook
  - Fitch

Physical parameters as on 31st July, 2016

1- Based on BSE Closing Price of ₹ 177.55 per share on 16.08.2016
Performance in Q1FY17 (Apr16-Jun16)
## Performance - Financial (Q1FY17)

(₹ in crore)

<table>
<thead>
<tr>
<th>Description</th>
<th>Year ended 31.03.2016 as per IGAAP</th>
<th>Quarter ended 30.06.2015 As per Ind AS</th>
<th>Quarter ended 30.06.2016 As per Ind AS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Transmission Charges</td>
<td>19,945</td>
<td>4,513</td>
<td>5,889</td>
</tr>
<tr>
<td>- Consultancy Income: Services</td>
<td>465</td>
<td>89</td>
<td>120</td>
</tr>
<tr>
<td>- Telecom</td>
<td>392</td>
<td>88</td>
<td>111</td>
</tr>
<tr>
<td>- Other Income</td>
<td>479</td>
<td>103</td>
<td>139</td>
</tr>
<tr>
<td><strong>Total Income</strong></td>
<td>21,281</td>
<td>4,793</td>
<td>6,259</td>
</tr>
<tr>
<td><strong>Operating Expenses (including prior period adjustment)</strong></td>
<td>2,456</td>
<td>555</td>
<td>700</td>
</tr>
<tr>
<td><strong>EBITDA - Gross Margin</strong></td>
<td>18,825</td>
<td>4,238</td>
<td>5,559</td>
</tr>
<tr>
<td><strong>Depreciation</strong></td>
<td>6,183</td>
<td>1,378</td>
<td>1,757</td>
</tr>
<tr>
<td><strong>Interest</strong></td>
<td>5,023</td>
<td>1,142</td>
<td>1,518</td>
</tr>
<tr>
<td><strong>Tax</strong></td>
<td>1,592</td>
<td>362</td>
<td>482</td>
</tr>
<tr>
<td><strong>Profit after Tax</strong></td>
<td>6,027</td>
<td>1,356</td>
<td>1,802</td>
</tr>
<tr>
<td><strong>Other Comprehensive Income/ (Exp) – net of Tax</strong></td>
<td>(13)</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td><strong>Total Comprehensive Income</strong></td>
<td>6,027</td>
<td>1,343</td>
<td>1,819</td>
</tr>
</tbody>
</table>

Growth in Income: 31%  
Growth in Profit After Tax: 33%
## Performance – Financial (Q1FY17)

<table>
<thead>
<tr>
<th></th>
<th>As on 31.03.2016 As Per IGAAP</th>
<th>As on 30.06.2015 As per Ind AS</th>
<th>As on 30.06.2016 As per Ind AS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gross Fixed Assets</strong></td>
<td>1,50,052</td>
<td>1,22,578</td>
<td>1,52,249</td>
</tr>
<tr>
<td><strong>Capital Work-in-Progress</strong></td>
<td>46,830</td>
<td>56,878</td>
<td>48,831</td>
</tr>
<tr>
<td><strong>Debt</strong></td>
<td>1,06,321</td>
<td>99,412</td>
<td>1,09,789</td>
</tr>
<tr>
<td><strong>Net Worth</strong></td>
<td>42,598</td>
<td>40,408</td>
<td>45,470</td>
</tr>
<tr>
<td><strong>Earning Per Share (₹)</strong></td>
<td>11.52</td>
<td>2.59#</td>
<td>3.44#</td>
</tr>
<tr>
<td><strong>Book Value per Share (₹)</strong></td>
<td>81.43</td>
<td>77.24</td>
<td>86.91</td>
</tr>
<tr>
<td><strong>Key Financial Ratios</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Debt : Equity</td>
<td>71:29</td>
<td>71:29</td>
<td>71:29</td>
</tr>
<tr>
<td>Return on Net Worth</td>
<td>14.15%</td>
<td>3.36%#</td>
<td>3.96%#</td>
</tr>
</tbody>
</table>

# Not Annualized
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Outstanding</td>
<td>₹ 3,718 crore</td>
</tr>
<tr>
<td>(53 days billing #)</td>
<td></td>
</tr>
<tr>
<td>Billed but not outstanding (&lt;60 days allowed as per CERC)</td>
<td>₹ 3,199 crore</td>
</tr>
<tr>
<td>(46 days billing #)</td>
<td></td>
</tr>
<tr>
<td>Transmission Outstanding (beyond 60 days)</td>
<td>₹ 519 crore</td>
</tr>
<tr>
<td>(7 days billing #)</td>
<td></td>
</tr>
</tbody>
</table>

# Avg. Monthly Billing: ₹ 2,097 => 2 months 60 days) billing = ₹ 4,194 crore
Performance – Project Execution (Q1FY17)

- **Capitalisation** (₹ in crore): 2,462
- **Capex** (₹ in crore): 5,585
- **X-formation Capacity (MVA)**: 5,315
- **Tr. Line (GW-ckm)**: 956

- **Till Jul’16**
  - ~ ₹ 6,750 cr. (Provisional)
  - ~ ₹ 7,222 cr.
  - 10,815
  - 3,690 (₹ in crore)
Project Execution - Increasing Capitalization, consistently

Capex | Capitalization | Capitalization/ Capex Ratio

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>23,095</td>
<td>22,123</td>
<td>21,418</td>
<td>22,456</td>
<td>23,024</td>
<td>23,285</td>
<td>22,910</td>
<td>22,584</td>
<td>21,757</td>
</tr>
<tr>
<td>17,832</td>
<td>18,978</td>
<td>21,760</td>
<td>21,429</td>
<td>21,775</td>
<td>21,775</td>
<td>21,775</td>
<td>21,775</td>
<td>21,775</td>
</tr>
<tr>
<td>77%</td>
<td>86%</td>
<td>108%</td>
<td>97%</td>
<td>93%</td>
<td>94%</td>
<td>139%</td>
<td>141%</td>
<td>137%</td>
</tr>
</tbody>
</table>

(₹ in crore)
Projects in FY17

Transmission Lines
15,000 GW-ckm

Sub-Stations
20 Nos.

Inter-Regional Capacity
12,300 MW

Major Lines
1. Gaya-Varanasi, Varanasi-Kanpur-Jhatikara
2. Ranchi-Chandwa-Gaya
3. Pachkula-Patiala; Sikar-Jaipur
4. Roorkee-Saharanpur, Dehradun-Baghpat, Dehradun-Abdullapur
5. Aurangabad-Boisar; Navsari-Boisar; Kala-Kudus
6. Raipur PS - Wardha(2nd line), Wardha-
Aurangabad
7. Pasighat – Roing – Tezu - Namsai
8. ±800kV Champa-Kurukshetra HVDC
9. Aurangabad-Padgha
10. Mauda-Betul-Khandwa-Indore
11. Wardha-Aurangabad (1200kV tower)
12. Tiurnelveli-Tuticorin; Tuticorin-Salem-Madugiri; Salem-Somnathalli; Madugiri-Yelahanka
13. Jabalpur-Orai-Aligarh
14. Wardha-Nizamabad-Hyderabad
15. Angul-Srikakulam;
16. Dulhasti-Kishenpur-New Wanpoh
17. Rajarhat-Purnea
18. Singrauli-Allhabad-Kanpur; Lucknow-Kanpur
19. LILOs- Pandiabil (Baripada-Mendhasal); Navi Mumbai (Lonikhand-Kalwa); NP Kunta
(Kadapa-Kolar; Kadapa-Hindupur)

Sub-stations
1. NP Kunta
2. Pandiabil (GIS)
3. Saharanpur
4. Bagpat (GIS)
5. Chandwa (GIS)
6. Kanpur (GIS)
7. Salem (Dharmapuri)
8. Navi Mumbai (GIS)
9. Rajarhat (GIS)
10. Dehradun
11. Betul (GIS)
12. Vemagiri (GIS)
13. Srikakulam (GIS)
14. Nizamabad
15. Roing
16. Tezu
17. Namsai
18. Alipurduar HVDC
19. Champa HVDC
20. Kurukshetra HVDC

Inter-Regional
1. Gaya-Varanasi
2. Champa-Kurukshetra
3. Angul-Srikakulam-Vemagiri
4. Raipur-Wardha-Nizamabad-Hyderabad

Green font indicates assets commissioned in FY17 (till Jul-16)

# Initially envisaged as part of HVDC
## Status of TBCB Projects (upto Jun’16)

<table>
<thead>
<tr>
<th>SPV &amp; Date of Incorporation</th>
<th>Completion</th>
<th>Current Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWERGRID Vizag Trans. Ltd.</td>
<td>Aug-16</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; element commissioned in Dec-15. Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Unchahar Trans. Ltd.</td>
<td>Sep-16</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID NM Trans. Ltd.</td>
<td>Oct-16</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Kala Amb Trans. Ltd.</td>
<td>Jul-17</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Warora Trans. Ltd.</td>
<td>Nov-17</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Parli Trans. Ltd.</td>
<td>Jan-18</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Jabalpur Trans. Ltd.</td>
<td>Jul-18</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Southern I/C Trans. Ltd.</td>
<td>Apr-19</td>
<td>Construction under Progress</td>
</tr>
<tr>
<td>POWERGRID Vemagiri Trans. Ltd.</td>
<td>---</td>
<td>Project discontinued</td>
</tr>
</tbody>
</table>
Operations – Q1FY17

**Assets as on Jun-16**
- Trans. Lines: 1046 Nos. - 130,197 ckm
- Sub-stations: 211 Nos. - 260,123 MVA
  (120 sub-stations remotely operated)

**Performance during Q1FY17**
- Availability: 99.78%
- Reliability: 0.215 Trippings/line
<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
<th>Change</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-R Energy Transfer</td>
<td>31.14 BU</td>
<td>28% increase w.r.t. Q1FY16</td>
<td>NLDC Report Jun’16</td>
</tr>
<tr>
<td>Cross-Border Power Exchange</td>
<td>2.6 BU</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bhutan: Import ~1 BU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nepal: Export: ~0.5 BU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bangladesh: Export ~1.1 BU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Myanmar: Export (0.0006 BU)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOA</td>
<td>24.73 BU</td>
<td>8% increase w.r.t Q1FY16</td>
<td>NLDC Report Jun’16</td>
</tr>
<tr>
<td>No. of Txns.</td>
<td>13,451</td>
<td>21% increase w.r.t Q1FY16</td>
<td></td>
</tr>
</tbody>
</table>
Consultancy (Domestic) – Q1FY17

New Orders recd.: 10

- Major Orders
  - Smart Grid related assignments in Ahmedabad (Sub Divn.: Naroda) & Gurgaon (Sub Divn.: DLF)

Assignments in Hand: 117 Nos.
(≈ ₹ 19,000 cr.- Bal. Cost)

- Major Assignments
  - NER PSIP; T&D System Strengthening in Sikkim-Arunachal; TS to Leh-Kargil; Lalitpur TPP Evacuation; IPDS at Old Kashi

Orders under Development

- Assignments from Railways, Tamil Nadu; Bihar
Consultancy (International) – Q1FY17

Footprints in 18 countries

<table>
<thead>
<tr>
<th>13 nos.</th>
<th>Ongoing Assignments (as on Jun-16)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1 no.</th>
<th>New Order recd.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- From Bhutan for Distribution Management System</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9 nos.</th>
<th>EoIs/ Techno-commercial proposals submitted</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Myanmar, Bangladesh, Kenya, Uganda, Georgia, Liberia</td>
</tr>
</tbody>
</table>

Recent highlight - Participation in EPC commences
43 New Clients added
[(Pvt. (28), Govt(15)]

Total Order Book > ₹ 2200 crore

- **Infrastructure:**
  - Fiber Optic Network : ~ 36,500km
  - Points of Presence : 595
  - Backbone Availability : 100%

- **Major Projects:**
  - National Knowledge Network (NKN): Project completed & Under Operation
  - National Optic Fiber Backbone (NOFN): Work in progress
    - Scope of work enhanced to connect 9,372 Gram Panchayats - 4,743 Gram Panchayats connected
Investment Programme & Outlook
Investment Programme (Apr12-Mar17)

Planned Capital Outlay*

₹ 110,000 crore

Annual Capex Plan

[*Projects: Ongoing Projects; Tariff Based Bidding Projects; Projects assigned by GoI; Green Energy Corridors; Intra-State Projects; Transnational Interconnections]*

FY12-13: ₹20,037 cr. (Achieved)
FY13-14: ₹23,158 cr. (Achieved)
FY14-15: ₹22,456 cr. (Achieved)
FY15-16: ₹22,584 cr. (Achieved)
FY16-17: ₹22,550 cr. [Achieved ₹5,585 cr.]

More than ₹93,820 crore achieved in XII Plan (Apr12 till Jun16)

Contracts awarded

~ ₹11,433 crore in Q1FY17

Investments Approved

~ ₹22,874 crore in Q1FY17
## POWERGRID Outlook (as on Jul’16)

<table>
<thead>
<tr>
<th>Projects</th>
<th>Approximate Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ongoing Projects</td>
<td>₹ 1,13,000 crore</td>
</tr>
<tr>
<td>New Projects</td>
<td>₹ 15,000 crore</td>
</tr>
<tr>
<td>TBCB Projects</td>
<td>₹ 16,000 crore (as per Empowered Committee Estimate)</td>
</tr>
</tbody>
</table>

**Total Works in Hand:** ₹ 1,44,000 crore (approx.)
Investors’ Response to Company’s Growth
FPO (Dec-13) Price

₹ 85-90 per share

Current Price#

₹ 176.25 - 183.05 per share

More than doubled since 2\textsuperscript{nd} FPO

# Price range of POWERGRID Stock on 16.08.2016 in BSE
For the past 1 year...

One year Relative Performance of POWERGRID Stock as compared to SENSEX, BSE PSU and NIFTY

Source: www.moneycontrol.com
…. For the past 5 years...

Five years Relative Performance of POWERGRID Stock as compared to SENSEX, BSE PSU and NIFTY

Source: www.moneycontrol.com
Recent Accolades
Recent Accolades

‘Best PSU Pavilion’ Award to POWERGRID Pavilion at International Industrial Trade Fair, INNOPROM 2016, held at Russia in Jul’16
For the 1st time, POWERGRID makes it to the prestigious list of ‘Great Place to Work’
Thank You