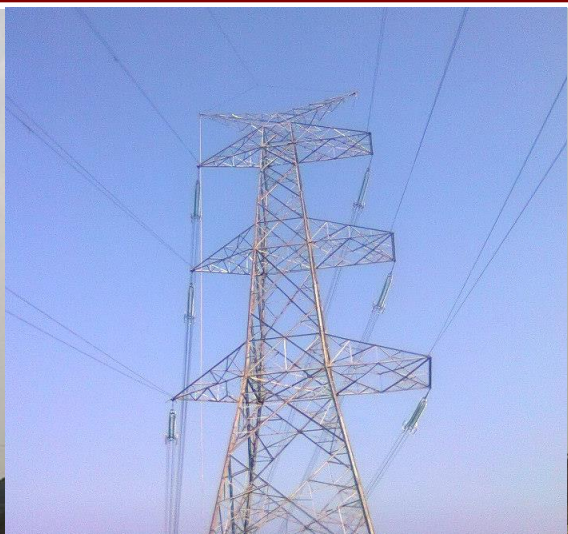


POWER GRID CORPORATION OF INDIA LIMITED



**Analysts' Meet
October 24, 2013
Mumbai**



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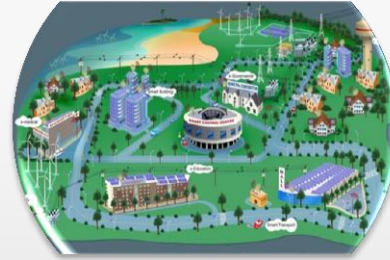
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- Annual Accounts for FY2012-13 have been approved by the shareholders.*



**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.

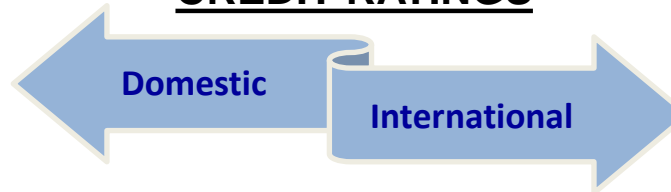
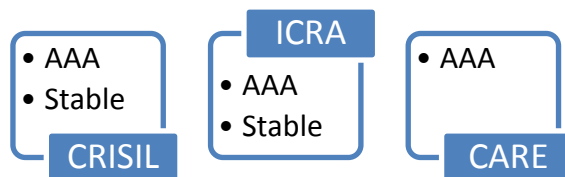
172,378 MVA

Operating Parameters (Q2FY14)

Availability: 99.90%

Reliability: 0.12 Trippings
per line

CREDIT RATINGS





Financial Performance: Q2 FY13-14



(₹ in crore)

	Quarter ended		Half year ended		FY 2012-13
	30.09.2013	30.09.2012	30.09.2013	30.09.2012	
Revenue					
- Transmission Charges	3713	2960	7104	5768	12211
- Consultancy Income-Services	56	68	122	128	229
- Consultancy Revenue - Sale of Products	157		186		86
- Telecom	73	58	147	112	232
- Other Income	105	157	179	215	571
Total Income	4104	3243	7738	6223	13329
Operating Expenses (including prior period adjustment)	617	403	1111	826	1797
EBITDA-Gross Margin	3487	2840	6627	5397	11532
Depreciation	966	825	1930	1582	3352
Interest	801	529	1561	1176	2535
Tax	481	360	856	643	1410
Profit after Tax	1239	1126	2280	1996	4235

Financial Performance: Q2 FY 13-14



(₹ in crore)			
	As on 31.03.2013	As on 30.06.2013	As on 30.09.2013
Gross Fixed Assets	80600	83550	87107 (@)
Capital Work-in-Progress	40153	42300	47626(#)
Debt	66168	72094	77710
Net Worth	26213	27254	28493
Earning Per Share (₹)	9.15	2.25*	4.92*
Book Value per Share (₹)	56.62	58.87	61.54
Key Financial Ratios			
Debt : Equity	72:28	73:27	73:27
Return on Net Worth	16.15%	3.82%*	7.83%*

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

* Not Annualized

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

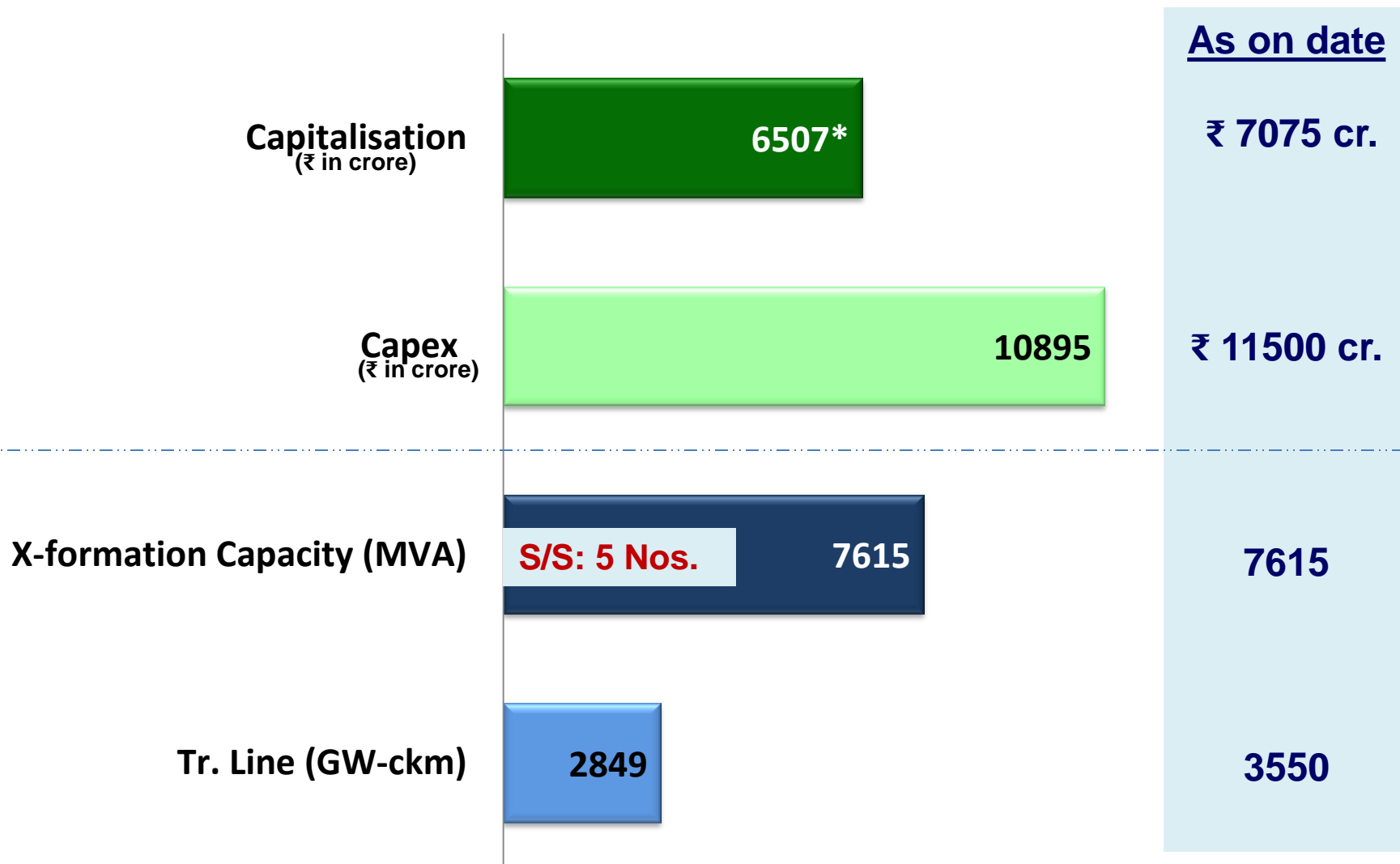
Description	₹ in crore
Outstanding > 60 days (as on date)	476
Tied-Up payments (receiving in installments)	172
Held Up due to court cases	210 (*)
Undisputed Outstanding > 60 days	94

(*) 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



(*) 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

Indo-Bangladesh
Inter-connection

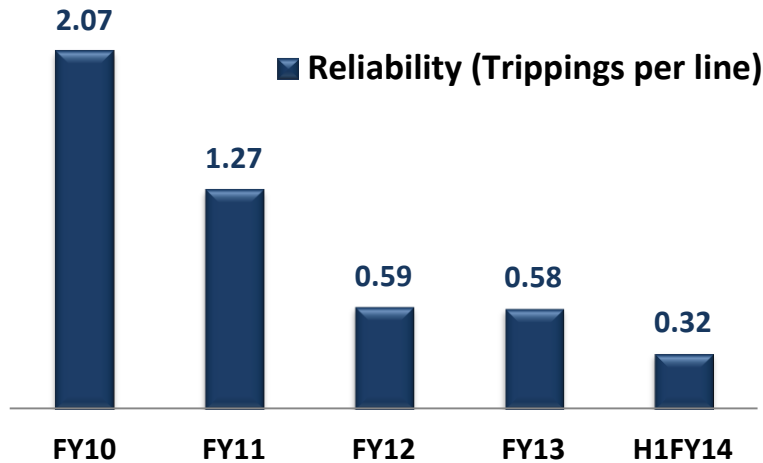
Commissioned

Transnational link

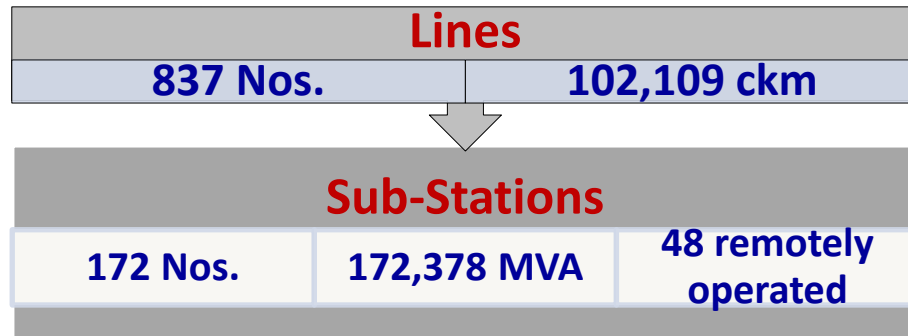


Asset Management

Availability (Apr'13-Sep'13) 99.90%

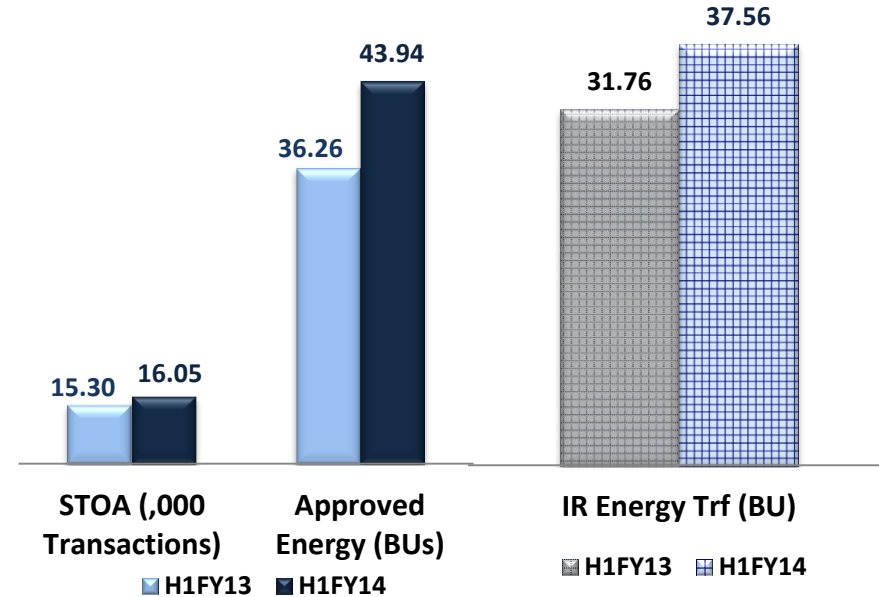


Consistently improving operations



Grid Management¹ (POSOCO)

Consistent increase in STOA Transactions and Inter-Regional Energy Transfer



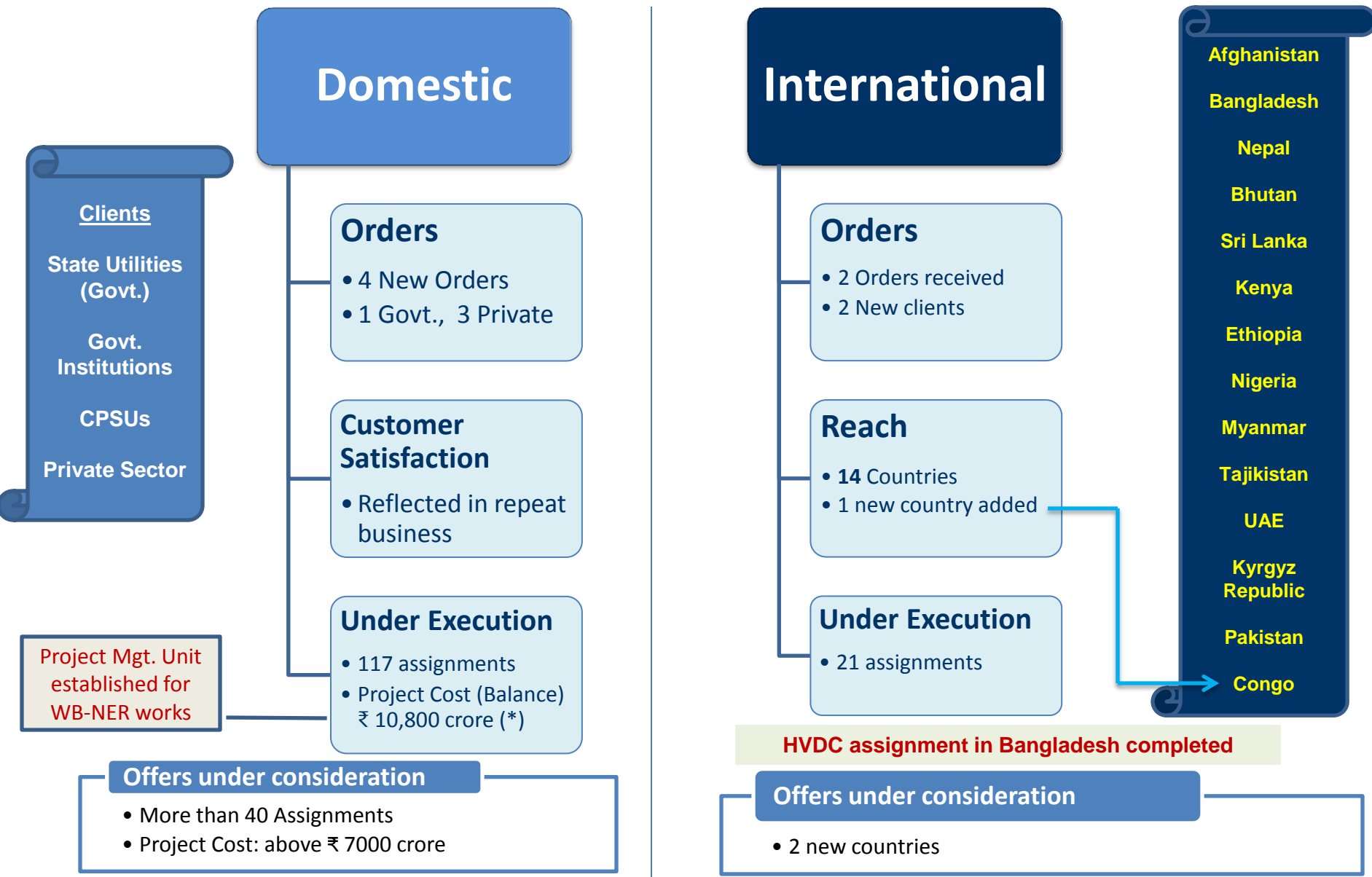
REC Trading Increase in Q2FY14 over Q1FY14

- 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**



Consultancy- Highlights: Q2FY14



Telecom Highlights – Q2FY14

Q2 Highlights

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

Govt
Projects

(Under
implementation)

NKN

NOFN

MPLS (Multi Protocol
Label Switching)

- **Roll-out expected in FY14**
- **Empanelment of Partners in process**



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



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

Projects/ Schemes anticipated now *

₹110,000
crore

Capex Anticipated now

FY13: ₹20,037 cr.

FY14: ₹22,150 cr.
(₹11,500 cr till date)

FY: ₹ 22,450 cr.

FY16: ₹22,500 cr.

FY17: ₹22,550 cr.

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