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- Annual Accounts for FY2013-14 have been approved by the shareholders.





Recent Highlights









Company completes 25 years

Power Supply
Restoration
(post natural
calamities) J&K and Andhra
Pradesh

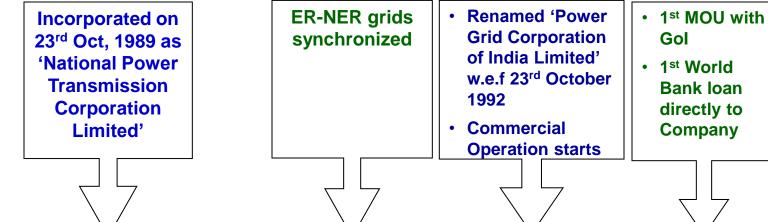
Fastest
Growing
Electric
Utility in the
World¹











th Maiden
Dividend
declared for
Rs.5 crore
(FY93-94)

1989

1990 1991

1992

1993

1994

Commencement of business w.e.f. Nov. 8, 1990

Amalgamation

Transfer of Assets from NPC (1991), NTPC, NHPC and NEEPCO (1992), THDC (1993) and NLC (1994)

RLDC amalgamation & modernization starts (SRLDC- 1994)







Company receives Awarded 1996- Turnover crosses **Jointly** ISO 9001 (1994) **ARTDO Asia-**Rs.1000 crore promoted **Quality System Pacific Award Power Trading** 1st ever National **Certification for** (Only PSU in **Corporation of Consultation in** turnkey execution **Asia Pacific** India Ltd. Asia to finalize of 400kV trans. Region) **ESPP** projects 1995 1996 1997 1998 1999 Notified as 'Central **Transmission Utility'** Declared as Mini-Ratna **Amalgamation & Modernization Category I PSU** Chandrapur HVDC Amalgamation of RLDCs completed. commissioned Modernization of RLDCs starts. Demonstrated use of ERS under natural calamity

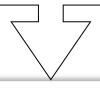






- Diversifies into Telecom business
- 1st Telecom link (Delhi-Chandigarh) inaugurated by Hon'ble PM of India
- Commercial Operation of Delhi-Chandigarh Telecom link
- Eols invited for taking up projects under IPTC route

- 1st JV in ISTS established (for Tala TS)
- WR-ER-NER grids synchronized
- 1st Intl Consultancy Contract secured



2000

2001

2002

2003

2004



- Inauguration of modernized load dispatch facilities by Hon'ble PM
- Delhi-Mumbai Telecom link inaugurated by Hon'ble PM
- Appointed as Advisorcum-Consultant by Gol for APDRP implementation

- Short Term Open Access commences
- Enters into MoU for Rural Electrification works







- +/-800kV HVDC conceived for power transfer from NER
- WAMS conceived for introducing Smart Power Delivery System
- NR grid synchronized with WR-ER-NER grid to form 'NEW' Grid
- Profits cross Rs.1000 crore
- Commissions 100th substation (Amritsar)

- Declared as 'Navratna' enterprise by Gol
- Turnover crosses Rs.5000 crore
- Ranked as world's 3rd largest Trans. Co. by The World Bank



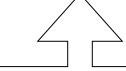
2005

2006

2007

2008

2009





- Shares listed on BSE and NSE
- 1st 765kV line (Sipat -Seoni) commissioned
- 1st GIS commissioned (Maharanibagh)



- POSOCO incorporated for Grid Mgmt.
- Prestigious
 Afghanistan project completed









- Joins Gol for NKN Project (Telecom)
- 1st Follow On Public (FPO)
- 1st Sustainability Report released (for FY09) - 1st Power Sector CPSU
- Implementation of NTAMC taken up
- Participates in TBCB for the 1st time and emerges successful

- Intl. Credit Rating by S&P and Fitch
- 1st Foreign Currency Bond issue
- 2nd Follow On Public Offer
- SR synchroized with NEW Grid: 'One Nation- One Grid- One Frequency'
- 1st Mgmt Contract (Intl) secured
- Joins Gol for NOFN Project (Telecom)
- Bangladesh interconnection established

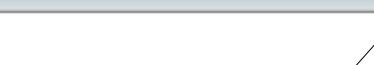
2010

2011

2012

2013

2014





- 1200kV Test line charged (highest trans. Voltage in world)
- India's 1st Smart Grid Control Center established at Puducherry under pilot project
- Turnover crosses Rs.10,000 crore
- 1st Intl. JV Agreement signed (with NEA in Nepal)

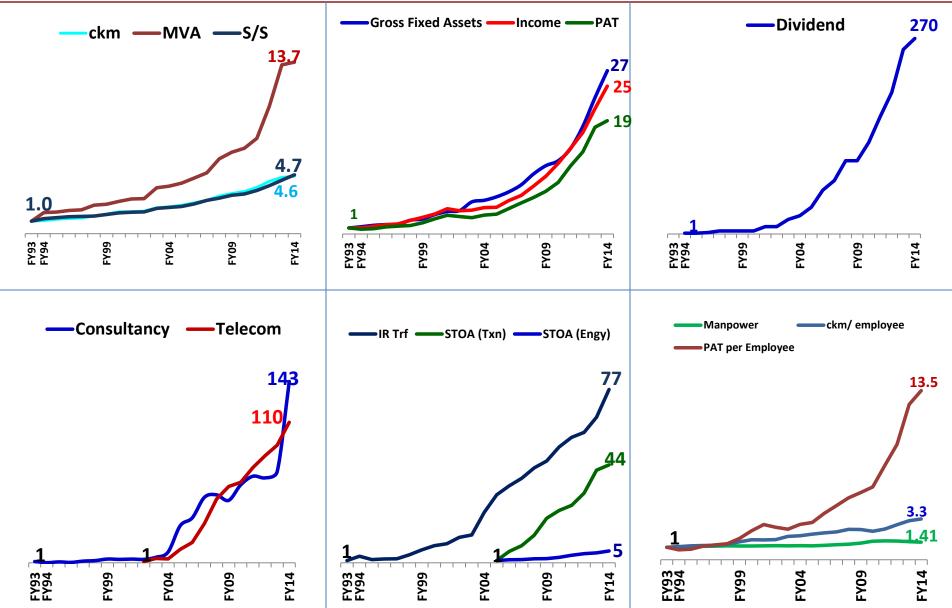
- Implementation of Green Energy Corridors starts
- NTAMC operation starts
- Aerial Patrolling of TLs undertaken
- Gol assigns NER & J&K works
- Becomes Fastest Growing Electric Utility globally





25 years of Energizing India





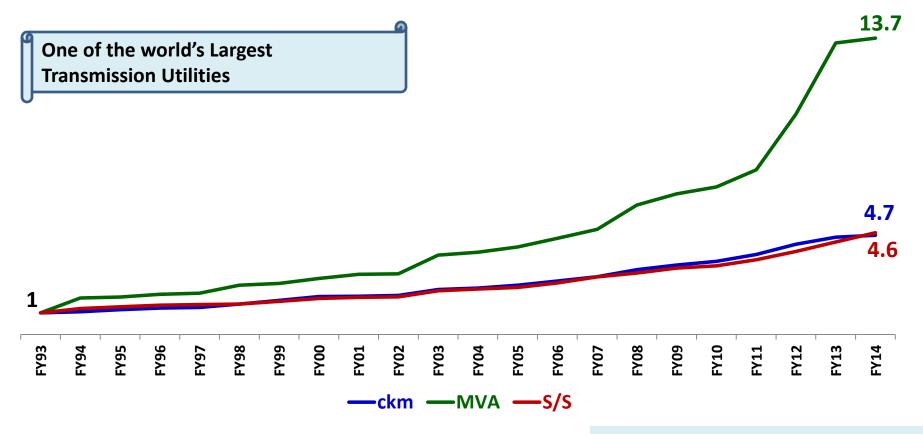




25 years of Energizing India



Transmission Lines, Sub-stations and X-formation Capacity



(as on 31.03.2014)

106,804 ckm; 186 S/S & 213,819 MVA

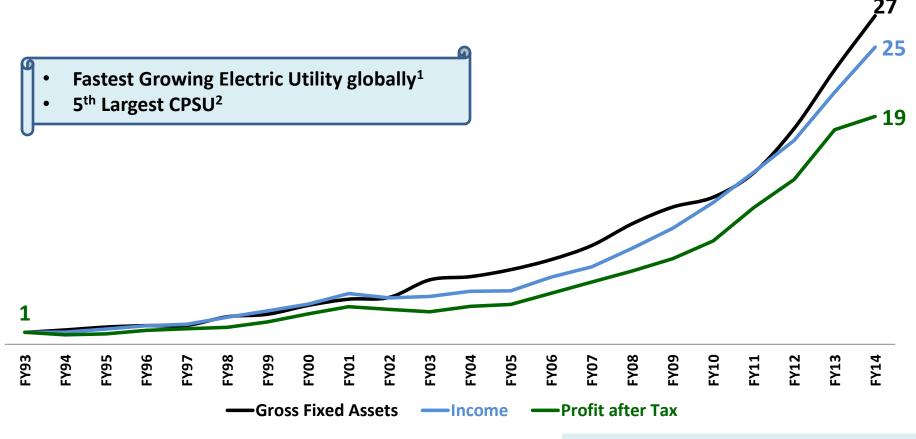




25 years of Building Assets & Creating Wealth



Gross Fixed Assets, Income & Profit after Tax



- Gross Fixed Assets (31.3.14): ₹ 96,504 cr.
- Income (FY14): ₹ 15,721 cr.
- PAT (FY14): 4,497 cr.

1- Based on Platts Top250 Ranking of Global Energy Cos. For 2014 2-As per PSE Survey 2013 of DPE, Gol





25 years of Distributing Wealth

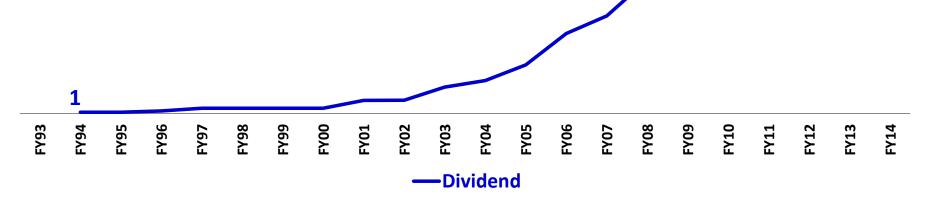


270

Dividend



Aggregate Dividend paid since listing:
 ₹ 13.09 per share



FY13-14: ₹ 1,350 cr

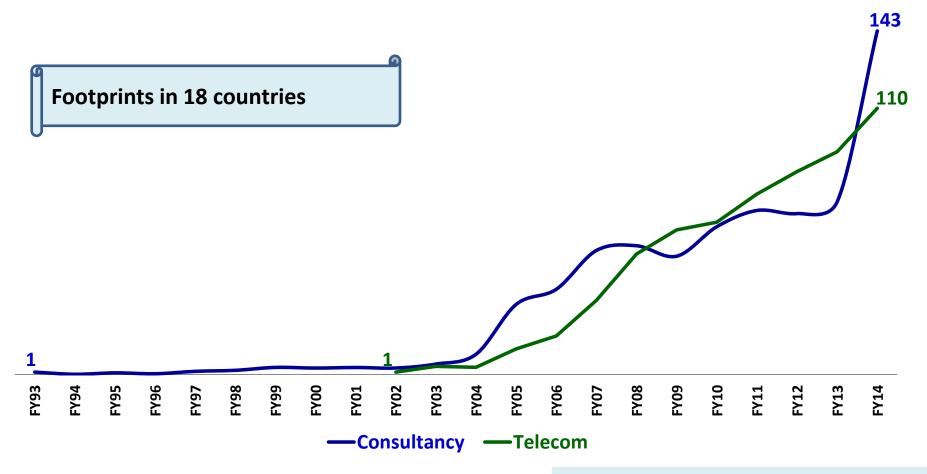




25 years of Generating Extra Returns for Stakeholders



Consultancy & Telecom



- Consultancy Income (FY14) : ₹ 627 cr.
- Telecom Income (FY14) : ₹ 276 cr.

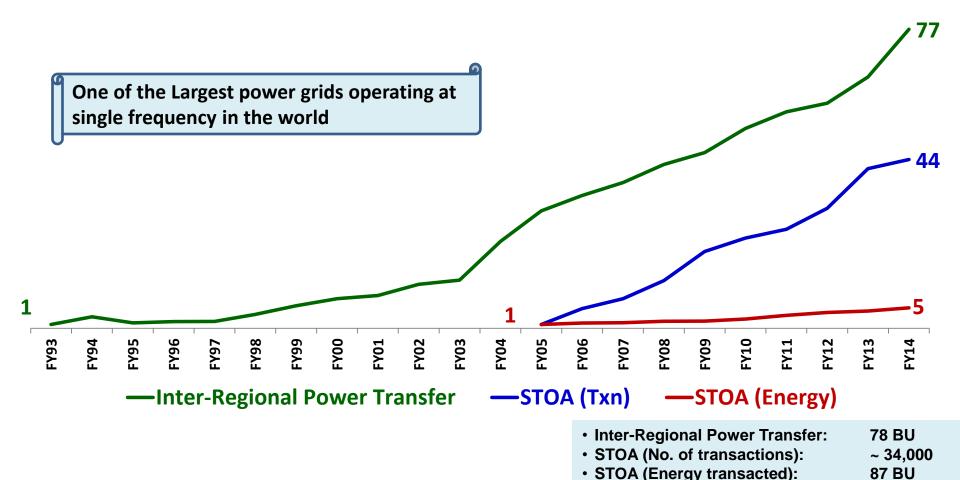




25 years of Optimizing Resources



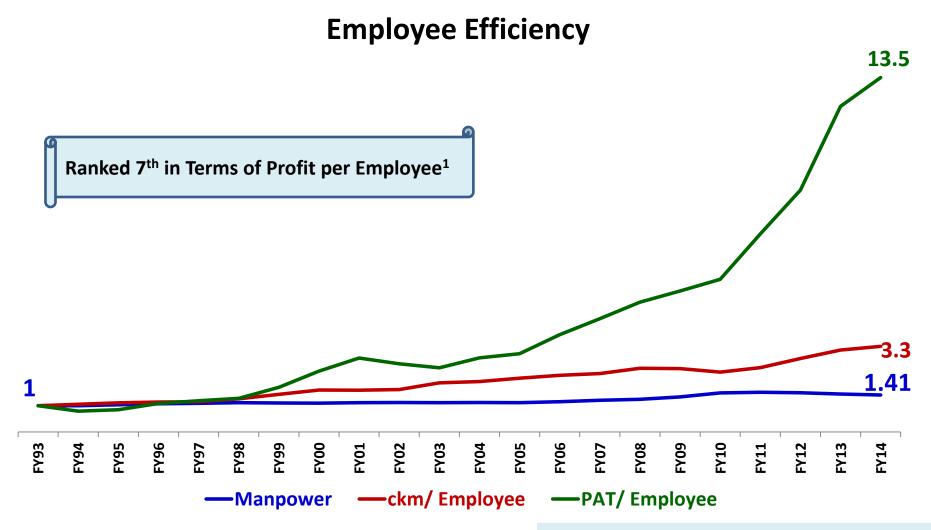
Inter-Regional Power Transfer & Short Term Open Access





25 years of Employee Efficiency







- ckm per Employee (as on 31.3.2014): 11.7
- Profit After Tax per Employee (FY14): ₹ 51.7 lakh

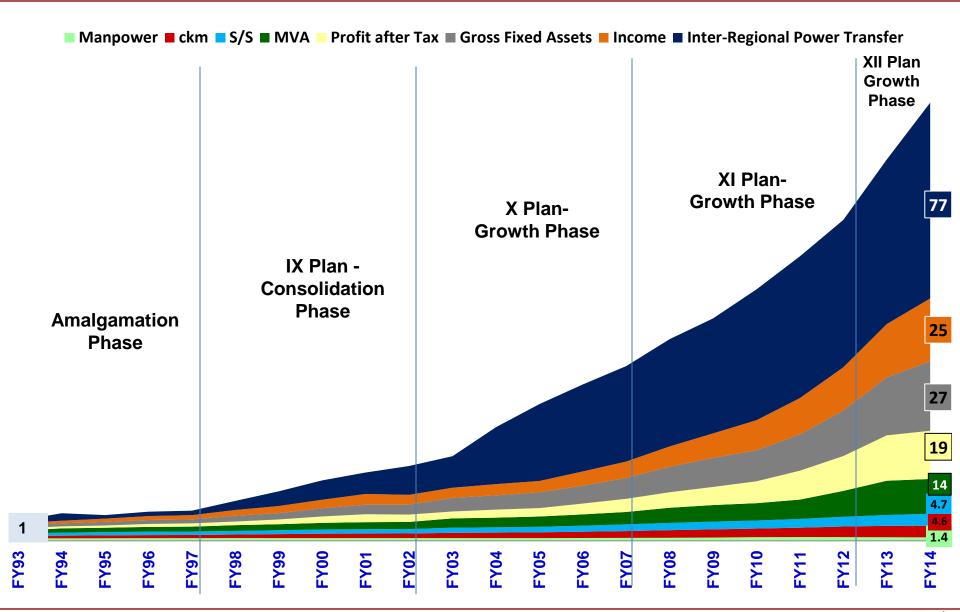


1- As per Businessworld BW Real500 rankings (Oct 2011 issue)



25 years of Growth – A Summary









POWERGRID Today



A '*NAVRATNA'* ENTERPRISE CENTRAL TRANSMISSION UTILITY LISTED COMPANY since 2007 GOVT. SHAREHOLDING 57.90%

PAYING DIVIDEND SINCE 1993-94

Vision

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

Tr. Lines (as on 10-11-2014)

111,741 ckm

917 Nos.

MVA & S/S (as on 10-11-2014)

218,134 MVA

186 Nos.

Operating Parameters (H1FY15)

Availability: 99.89%

Reliability(*): 0.34

(*) Trippings/ line











• BBB (-)
• Stable
Outlook





Financial Highlights- Q2FY15



					(₹ in crore)
	Quarter ended		Half year ended		EV 2042 44
	30.09.2014	30.09.2013	30.09.2014	30.09.2013	FY 2013-14
Revenue					
- Transmission Charges	4055	3713	7871	7104	14327
- Consultancy Income- Services	61	56	122	122	333
- Consultancy Revenue – Sale of Products	0	157	0	186	294
- Telecom	62	73	127	147	276
- Other Income	131	105	264	179	491
Total Income	4309	4104	8384	7738	15721
Operating Expenses(including prior period adjustment)	598	617	1167	1111	2295
EBITDA-Gross Margin	3711	3487	7217	6627	13426
Depreciation	1212	966	2367	1930	3996
Interest	989	801	1917	1561	3167
Tax	309	481	595	856	1766
Profit after Tax	1201	1239	2338	2280	4497





Financial Highlights- Q2FY15



			(₹ in crore)
	As on 31.03.2014	As on 30.06.2014	As on 30.09.2014
Gross Fixed Assets	96,504	101,382	106,085
Capital Work-in-Progress	53,330	53,345	54,827
Debt	80,470	84,685	88,110
Net Worth	34,413	35,526	36,753
Earning Per Share (Rs)	9.36	2.17*	4.47*
Book Value per Share (Rs)	65.78	67.91	70.25
Key Financial Ratios			
Debt : Equity	70:30	70:30	70.6:29.4
Return on Net Worth	13.07%	3.20%*	6.36%*

^{*} Not Annualised





Billing & Realization



Billing ₹ 7,883 Crore

Realization ₹7,444 Crore

%age realization 94.43%

Avg. Monthly Billing: ₹ 1,314 Crore => 2months (60 days) billing = ₹ 2,628 crore

Dues as on 05.11.2014

(A) Due < 60 days (not outstanding as 60 days allowed by CERC) = ₹ 1,191 crore

Description	₹ in Crore
(B) Outstanding > 60 days	333 *
Tied-Up payments (in installments)	133

^{*} Excludes disputes on account of surcharge/bills.

Outstanding equivalent to ~5 days billing

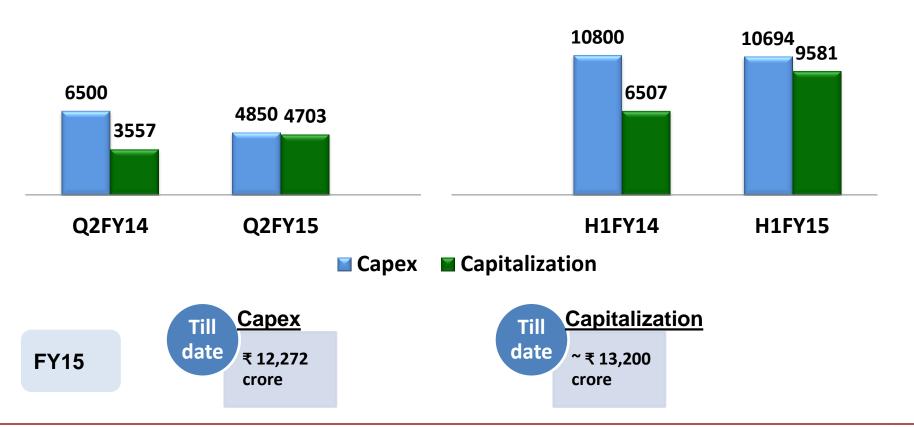




Project Execution – Q2 & H1FY15



(₹ in crore)







Projects in FY15



Transmission Lines

~ 15,000 GW-ckm



Major Lines

- Nellore-Thiruvalem
- Bina Gwalior
- Champa-Raipur, Champa-Dharamjaygarh
- Indore Vadodara
- Raichur Kurnool, Nellore Kurnool
- Rihand V'chal,
- Jharsuguda Dharamjaygarh
- Thiruvalem Sholinganallur
- Annupur Jabalpur
- Balipara Bongaigaon
- Satna Gwalior
- Wardha Aurangabad, Raipur Wardha
- V'chal Satna
- · Angul-Jharsuguda
- Gwalior Jaipur, Jaipur Bhiwani
- Vijayawada Nellore,, Kurnool Thiruvalem Barh – Gorakhpur
- Raigarh Champa
- Silchar Purba Kanchan Bari, Silchar Imphal
- Salem Madhugiri, Dharmapuri -Somnahalli
- Sholapur Pune
- Biswanath Chariyali Agra (NE-NR/WR Interconnector)
- Meerut Moga
- Kanpur Jhatikara

Aggregate ckm: ~10,000 (765kV: >60%)

Sub-Stations

15 Nos.

~ 30,000 MVA



Sub-stations

- •Rangpo (GIS)
- Shahjahanpur
- •Magarwada (GIS)
- Madhugiri
- Salem (Dharmapuri)
- Chaibasa
- Pune (GIS)
- •Navi Mumbai (GIS)
- Bareilly
- Vadodara (GIS)
- Champa
- •New Melli (GIS)
- Kanpur
- •Biswanath Chariyali HVDC
- Agra HVDC

Inter-Regional Capacity

7,300 MW



Inter-Regional

- Jharsuguda Dh'jaygarh (4,200MW)
- Barh Gorakhpur
- Biswanath Chariyali Agra (NE-NR/WR Interconnector)

Physical Performance H1FY15 (Till date)

Tr. Line: GW-ckm 5,465 (8,590)	S/S Nos. 2 (3)	X-fmn. Cap MVA: 7,896 (12,841)	I-R Cap MW: 4,200 (4200)

Green font indicates assets commissioned till dat





Operations Highlights – H1FY15



Assets under Management (as on 30-Sep-2014) 911 Nos. 110,514 ckm 765kV(*): 17% 400kV: 73% Sub186 Nos. 213,819 765kV(*): 21%

(*) incl. HVDC & 765kV chgd at 400kV

Asset Management (Apr14-Sep14)

MVA

Availability: 99.89%

Stations

Reliability: 0.34

NTAMC Operational

400kV: 68%

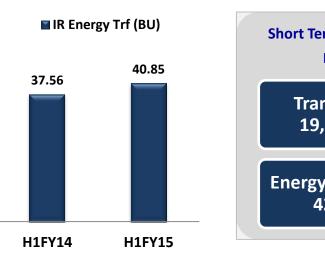
55 S/S remotely operated

15 S/S unmanned

New Initiatives in O&M

- Aerial Patrolling under progress
- Maintenance of transmission lines
 - Using Helicopters
 - Insulated Bucket Trucks

Grid Management¹ (POSOCO)



Short Term Open Access
H1FY15

Transactions:
19,336 Nos.

Energy Transacted:
42.51BU

A EAO NAM

REC Trading: Q2FY15 Update [RECs balance as on Sep-14: ~ 99 lakh]	(Sep-14)	4,548 IVIVV (Wind: 50%; Solar PV: 11%)
	RECs Issued	28 lakh (Q2FY15) vs 13 lakh (Q2FY14)
	RECs Traded	1.14 lakh (Q2FY15) vs 2.63 lakh (Q2FY14)
	Value of RECs Traded	₹ 24 (Q2FY15) vs ₹ 48 cr. (Q2FY14)
	Aggregate RECs traded (till Sep14)	₹ 1274 crore

Sharp fall in REC trading in Q2FY15 w.r.t. Q2FY14





Consultancy Highlights - Q2FY15







Q2 Orders

Total Nos.: 8

(Govt. Utilities: 6; Private: 1; Dist. works: 1)

Under execution (as on 30-Sep-14)

> 120 Assignments

Projects worth:

~ ₹15,100 cr. (Bal. Cost)

Recent Orders (after Q2FY14)

- Comprehensive Scheme: Intra-state and distribution works in Sikkim & Arunachal **Pradesh**
- XII Plan RGGVY works in 3 Districts in Oct'14 in Odisha
- 400kV & 220kV transmission system of Delhi Transco Ltd.

Aggregate Project Cost: ₹ 4,700 crore



Q2 Orders:

Total Nos.: 3 (1 new client)

Under execution (as on 30-Sep-14)

15 Assignments

Proposals submitted in Q2FY15

- •4 new proposals
- •2 new countries approached (Ghana & Indonesia)

Company seeing traction in Capacity Building works in Asia and Africa



Afghanistan-Bangladesh-Bhutan-Congo-Ethiopia-Nepal-Nigeria-Kazakhastan-Kenya-Kyrgyz Republic-Myanmar-Pakistan-Senegal-Sri Lanka-Tajikistan-Tanzania-UAE-Uzbekistan





Telecom Highlights – Q2FY15



Major Orders

New Clients added: 14 Nos.

- Govt.: 8 Nos.
- Pvt.: 6 Nos.

20 year IRU agreement with a leading Telecom Company

 Aggregate bandwidth requirement: ~ 400 Gbps

Order received from a reputed global IT giant for 2 links

Confidence reposed by Global IT companies

MPLS-VPN

- 4 Orders received in Q2FY15
 - Total 7 orders since commercial launch in Apr'14
 - Company seeing a demand from CPSUs for its MPLS services
 - In-house demand for NTAMC and IT/ ERP applications

NKN

- Size: ₹ 6,000 cr.

 POWERGRID Scope: ₹

 900 crore
- Project completed & under operation

NOFN

- Size: ₹ 20,000 crore
- Sanction Letter recd for 4 States- Survey works completed- Estimate: ₹ 3.000 crore
- Execution commenced for ~ 3300 Gram Panchayats





New Initiatives - Updates



- Order received from SAIL for Energy Audit of 2 Plants
 - Audit completed at 1 Plant
- Submitted bids for
 - Energy Audit of three more Steel Plants
 - Distribution Energy Audit in Meghalaya

Energy Efficiency



- Offshore Wind Energy Company being set up by MNRE
 - POWERGRID to join
 - Evacuation/ integration of wind power with National Grid

Renewable Energy Integration



Exploring installation of Solar Power Plants to utilize earth electrode stn. land of HVDC terminals

- JV with Bihar for Intra-State Transmission (Bihar Grid Co. Ltd.) ₹ 1600 crore worth projects commenced
- Formation of JV company with Rashtriya Ispat Nigam Limited (RINL) for setting up manufacturing facility for Transmission Line Towers & Tower Parts - Approved





Investment & Funding Programme



Capital Outlay

(Rs.110,000 crore)

- FY13: Rs.20,037 cr
- FY14: Rs.22,324 cr
- FY15: Rs.22,450 cr
- FY16: Rs.22,500 cr
- FY17: Rs.22,550 cr

Funding Requirement

Debt & Equity in the ratio
 70:30 as per Tariff
 guidelines

Projects/ Schemes

- HCPTCs
- Generation linked
- Grid Strengthening
- Green Energy Corridors
- TBCB projects
- JVs with States

INVESTMENT g.

FUNDING PROGRAMME

Sources of Funds

- **Equity**: Internal Accruals, FPO (2013)
- Debt:
 - Domestic Bonds/Loans
 - Intl: Loans from WB, ADB;
 Suppliers' Credit; ECB

Investment Approved - ~ ₹ 101,800 crore

Debt: ~ Rs.60,000 crore tied up





Utilization of FPO funds- Update



FPO funds

Funds raised:

₹ 5321 crore

No. of Projects identified for fund utilization:

27

Funds utilized till Oct14:

~ ₹ 3,321 crore

~ 41 elements of 16 identified projects commissioned during Dec13 – Oct14

- ✓ TS associated with Rihand-III & V'chal-IV
- ✓ TS for Phase-I Generation Projects in Odisha (Part-C)
- ✓ SRSS XIX
- ✓ TS strengthening in western part of WR for IPPs in Chhattisgarh
- ✓ TS associated with Krishnapatnam (Part-B)
- ✓ Common System associated with ISGS Projects in Krishnapatnam area of Andhra Pradesh
- ✓ Establishment of Pooling Stations at Champa and Raigarh (near Tamnar) for IPP generation projects in Chhattisgarh
- ✓ Establishment of Pooling Stations at Raigarh (Kotra) and Raipur for IPP generation projects in Chhattisgarh
- ✓ SRSS XVIII
- ✓ TS for Phase-I generation projects in Odisha (Part-A)
- ✓ TS for IPP generation projects in MP & Chhattisgarh
- ✓ Integration of Pooling Stations in Chhattisgarh with central part of WR for IPP Generation Projects at Chhattisgarh
- √ TS for Phase-I generation projects in Odisha (Part-B)
- ✓ NRSS XXI
- ✓ TS for establishment of 400/220kV GIS sub-station at Magarwada in UT Daman & Diu
- ✓ TS for transfer of power from generation projects in Sikkim to NR/WR Part B





Make in India & Swachh Bharat



SVC & STATCOM Packages

 At least one SVC/STATCOM to be sourced from India

765kV Class Transformer/Reactor Foreign bidders to supply at least one Transformer/Reactor from India

GIS Equipment

- 400kV: Indian subsidiaries of MNCs may also supply from their Indian Factories
- 765kV: Bidders to set up manufacturing facilities in India

HTLS Conductors, OPGW & HVDC

Thrust on Indigenization/ Indian collaboration

Swachh Bharat

Outlay under CSR

₹ 108 crore for building >9000 toilets by August, 2015







Thank You



