



Review of "24x7 Power For All"

State : Rajasthan

Ministry of Power
Government of India

Roll out plan for PFA

Rollout Plan :

Sl No	Plan	Existing Capacity	Rollout Plan					Total	Total of Existing Capacity and Target
			2014-15	2015-16	2016-17	2017-18	2018-19		
Generation									
1	Hydro (MW)	1,633.09	13.65	0	264	28	46.50	352.15	1,985.24
2	Thermal-Coal (MW)	8,529.72	982	0	2,480	186	3,580	7,228	15,757.72
3	Thermal-Gas (MW)	825.03	0	0	160	0	0	160	825.03
4	Nuclear (MW)	573	0	0	0	0	700	700	1,273
5	RES (MW)	3,640.15							
	Total	15,201	995.65	0	2,904	214	4,326.5	8,440.15	23,641.15
Transmission (Inter-State)									
1	New Line (Ckt Km)	8,200	1,310	600	290	380	0	2,580	10,780
Transmission (Intra-State)									
1	New Substation (Nos)	462	29	24	12	21	20	106	568
2	New Line (Ckt Km)	31,092	2,506	2,611	883	796	898	7,694	38,786
3	Transformation Capacity (MVA)	53,248	4,980	6,640	1,970	2,700	3,585	19,875	73,123
Green Energy Corridor									
1	Substation (Nos)	0	2	2	9	9	12	34	34
2	Line (Ckt Km)	0	309	536	320	594	1,030	2,789	2,789
Distribution									
1	AT & C Losses (%)	26.42	21.75	20.00	18.50	17.25	16.00	15.00	-

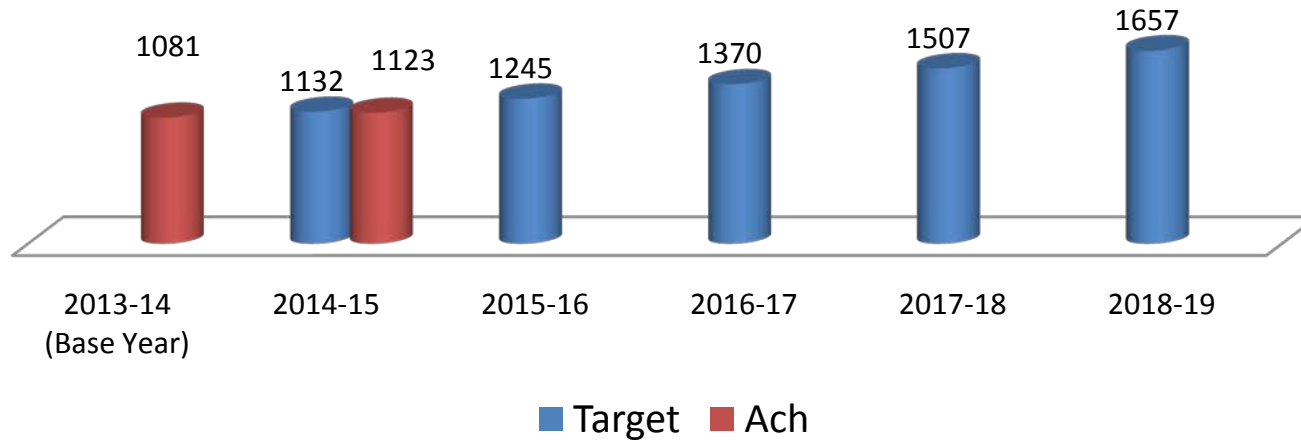
Rollout Plan :

SI No	Plan	Existing Capacity	Rollout Plan					Total	Total of existing capacity and target
			2014-15	2015-16	2016-17	2017-18	2018-19		
2	33/11 KV Substations (Nos)	4,585	220	266	266	266	266	1,284	5,869
3	Three Phase System (Nos)	0	0	800	800	800	938	3,338	3,338
4	Households to be electrified (Nos)	95,81,000	4,50,000	6,00,000	6,50,000	6,50,000	6,50,000	30,00,000	1,25,81,000
5	Village Electrification (Nos)	0	20	0	0	0	0	20	20
6	24 X 7 Power supply to Connected Households (No's in Lakhs)	0	40	20	28	14	23	125	125
Renewable Energy									
1	Solar Power (MW)	725	500	1,000	1,500	2,000	2,500	7,500	8,225
2	Wind Power (MW)	2,798	500	500	500	620	620	2,740	5,538
3	Solar Rooftop grid connected(MW)	0	3.5	10	10	10	10	43.5	43.5
4	Solar off grid (MW)	0	2	5	5	5	5	22	22
5	Solar Pumpsets (Nos)	9,157	5,000	5,000	5,000	5,000	5,000	25,000	34,157
Energy Efficiency									
1	LED Distribution-Households (Nos)	0	18,00,000	90,00,000	90,00,000	90,00,000	90,00,000	3,78,00,000	3,78,00,000
2	Agriculture Pumpsets (Nos)	0	50,000	2,50,000	3,00,000	3,00,000	3,00,000	12,00,000	12,00,000
3	Street Light Replacement (Nos)	0	12.5	12.5	25	25	25	100	100

Generation Plan

Per Capita Consumption

Per capita Consumption (Kwh)

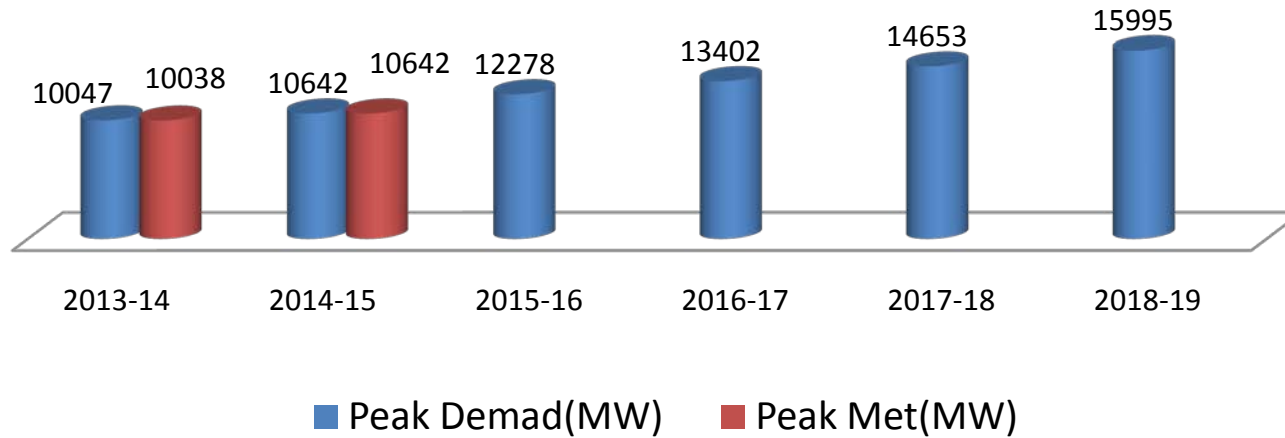


SI No	Plan	2013-14 (Base Year)	2014-15	2015-16	2016-17	2017-18	2018-19
1	Target	1081	1132	1245	1370	1507	1657
2	Achievement		1123				

Rural hours of supply-22.17 hours in 2014-15. Expected to be 24 hours supply by September 2015 after completion of FIP and SIP works.

Power Supply:

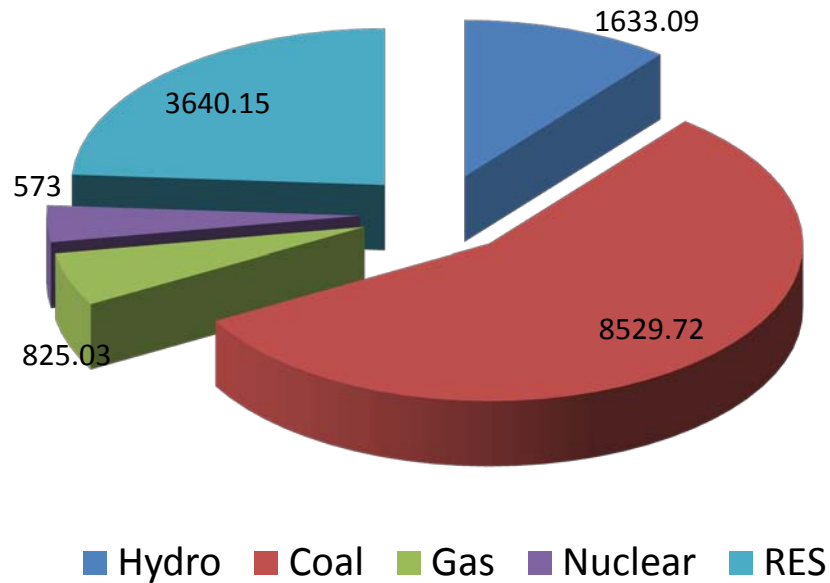
Peak Demand (MW)



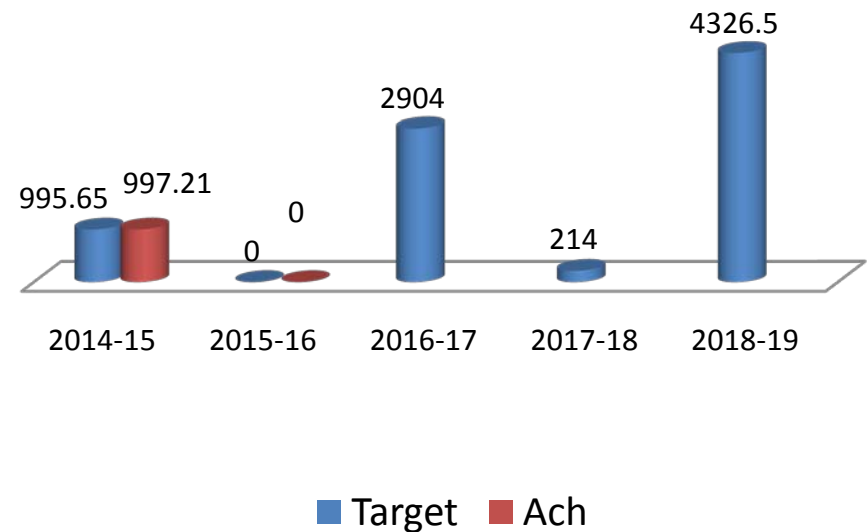
SI No	Plan	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	Peak Demand(MW)	10047	10642	12278	13402	14653	15995
2	Peak Met(MW)	10038	10642				

Generation Installed Capacity:

**Existing Generation Capacity
(15201 MW)**



**Plan for Generation capacity addition
(MW)**



Generation :

SI No	Plan	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
		Target	Actual	Target	Actual	
State Sector						
1	Thermal-Coal (MW)	850	850	0	0	600 MW Kalisindh unit #2, is commissioned on full load on dated 06.06.15 and COD done on 23 rd July 2015.
2	Thermal-Gas (MW)	0	50	0	0	state has added Ramgarh RGTPP 50 MW project in addition to the proposed target.
	Total	850	900	0	0	
Central Sector						
1	Hydro (MW)	13.65	31.21	0	0	<ul style="list-style-type: none"> • BBMB 13.65MW delayed due to design and quality issues from the contractor. Expected to be commissioned in 2016-17 • Capacity 31.21MW added from share of Rampur H&P unit(1-6)
2	Thermal-Coal (MW)	132	0	0	0	From 2x660 MW at Barh, share of Rajasthan is 132 MW. The commissioning is delayed due to contractual problem between NTPC and contractor.
	Total	145.65	31.21	0	0	
Private Sector						
1	UMPP Sasan unit(2-4)	--	66	0	0	66 MW of unit- 3&4 from UMPP Sasan in FY-15
	Total	-	66	0	0	
	G.Total	995.65	997.21	0		

Generation : (Action plan for State):

S.No.	Issue	Present Status/Remarks
1	To take up the matter of coal linkage / environment clearance with Ministry of Coal and MOEF for the ongoing and future projects as per requirement.	<ul style="list-style-type: none"> Coal linkage for Chabra unit 3 & 4 and Kalisindh unit 1 & 2 received. Coal linkage for Suratgarh super critical and Chabra super critical received. Request for coal linkage Kalisindh unit 3 & 4, Banswada unit 1 &2 and Banswada case-2 submitted on 13.04.2015 on e-samiksha portal.
2	To procure more power, if required, from the market to meet the demand for providing 24x7 power in the state	Self sufficient Power State. Emergency requirements may be full fill from Energy Exchange.

Generation – GOI Intervention

S.No.	Issue	Present Status/Remarks
1	Kalisindh TPS:Stage-I Unit-2: State requested to provide coal blocks on priority basis.	Coal block for Kalisindh Stage-I Unit-2 has been allotted.
2	The Environment Clearance for Chhabra unit-6 to be delinked from the KTPS Unit-I to Unit-IV. S (MoEF)	MoEF has issued Environmental Clearance on Dtd. 02/02/2015.
3	Permanent deletion of the names of Power Stations of RVUNL from the list of imported coal.	<ul style="list-style-type: none"> Refer to discussions held in meeting 22.04.15, drawl of coal from RVUNL allotted coal blocks is being assessed and net short fall in quantity is under appraisal of GoR. Quantity for short term linkage shall be submitted after obtaining consent from GoR.
4	Allocation of new coal block(s) or grant of Long Term Linkage of Coal for a.Kalisindh (Unit 3 & 4) b.Banswara (Unit 1 & 2) c.Banswara TPS:Unit -1&2 (Case-2):	As & when new coal blocks are notified GoR/RVUN will apply for coal blocks for linkage to its future project at Kalisindh & Banswara.
5	Discounted Gas price for Ramgarh Stage-IV Gas based Power Project.	Matter was discussed with GoR on 11.06.15 .The firm was called for revised offer of Gas price. RVUNL is advised to appoint a consultant to assess feasible price band by taking into account all factors of the site & market scenario as well for effective price negotiations. Appointment of consultant is under process.

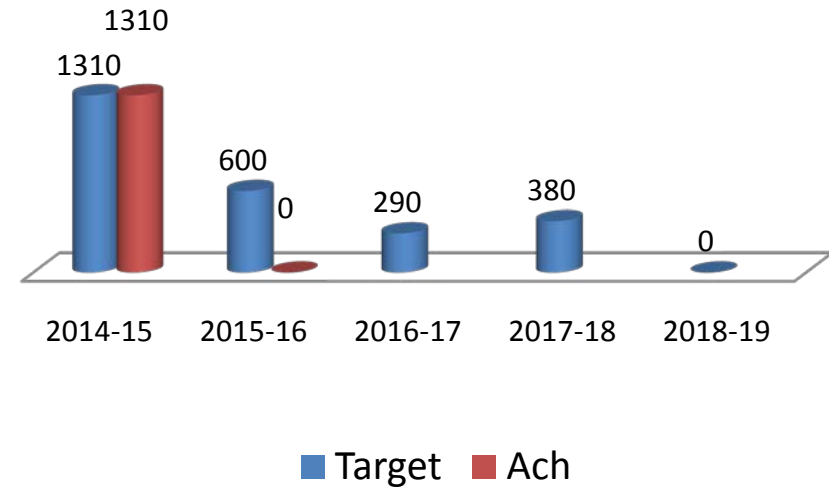
Inter-State Transmission Plan

Inter State Transmission System (ISTS) :

Inter State Transmission network (as on Mar,2014)

S.No.	Particular	
1	No. of Substation	9 No.
2	No of Transformers	19 No.
3	Total transformation capacity	6855 MVA

Plan of ISTS line (Ckt Km)



Inter State Transmission :

SI No	Plan	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
		Target	Actual	Target	Actual	
1	New Line (Ckt Km)	1,310	1310 (400 KV line Sikar-Ratangarh and Sikar-Jaipur)	600	0	<ul style="list-style-type: none"> Gwalior – Jaipur: delayed due to forest clearance & expected to be completed by Aug, 2015.

Inter State Transmission : GOI Intervention :

S.No.	Issue	Present Status/Remarks
1	GoI to identify implementing agency (ies) for development of balance ISTS (Rs 6937 Cr) for integration of renewable.	Agenda on detailed proposal of Interstate transmission corridor to be implemented by PGCIL has been forwarded for inclusion in the next standing committee meeting.
2	POWERGRID to ensure development of interstate transmission as per roll out plan by 2018-19.	Action to be taken by PGCIL
3	State nodal agency to ensure Renewable generation developer apply for connectivity/Long term access for its integration in the ISTS.	32000 MW Solar power have been executed and detailed requirement sent to PGCIL with identified areas.
4	To plan and develop the additional transmission system (if required) for evacuation of anticipated RE power more than 7333 MW in the state.	New Intra -State transmission system for evacuation of RE power has been planned for which financial assistance from GoI is required so that no burden to be loaded on the state consumers.
5	Technical consultancy on aspects like strategy & road map for providing balancing infrastructure, assessment of balancing capacity of control areas & measures to enhance it, technological roadmap etc. is being carried out as part of technical assistance (upto Euro 2 million grant) from GIZ, Germany to be completed in 2014-15.	The technical assistance shall be provided through GIZ, who has appointed E&Y as their consultant to submit DPR of States regarding set up of REMC.

Intra-State Transmission Plan

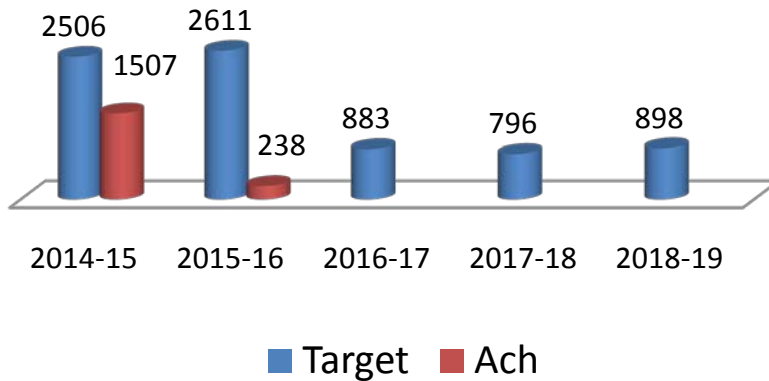
Intra State Transmission System :

Intra State Transmission network (as on Mar,2014)

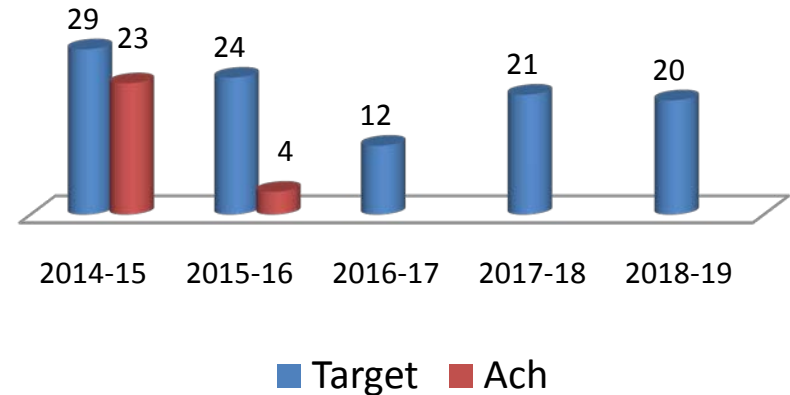
S.No.	Voltage	No of substation (Nos)	Transformer capacity (MVA)	Associated lines (Km)
1	765 KV	2	6000	425.498
2	400 KV	9	7235	3278.35
3	220 KV	101	24075	13211.95
4	132 KV	370	26068.50	15599.17

Intra State Transmission :

Transmission line (CKm)



New Substation (No.)



Sl No	Plan	Capacity addition during 2014-15		Capacity addition during 2015-16 (As on May, 2015)		Remarks
		Target	Actual	Target	Actual	
1	Substation (Nos) • 765 KV (Phagi & Anta) • 400 KV (Ajmer) • 220 KV • 132 KV	2	2	-	-	<ul style="list-style-type: none"> 400 KV Ajmer expected by Sept 2015. Out of balance 7 No 132 KV substation, 3 substation has been commissioned, 3 SS expected to be commissioned by July 2015 and 1 SS (Sarna Doongar) delayed due to defence clearance.
		1	0	2	-	
		8	8	8	1	
		20	13	16	3	

Intra State Transmission : (Action plan for State):

S.No.	Issue	Present Status/Remarks
1	Funds tie up for Rs. 6848 Crores including 30% equity support to be provided by Govt. of Rajasthan for implementation of Intra State transmission system. (RVPNL)	<ul style="list-style-type: none"> • During 2014-15, funds tie up of Rs. 1410.00 crore were made and equity support of Rs. 370.00crore from GoR. • During the FY 2015-16, tie up total funds of Rs. 1748 crore and Equity support of Rs. 552 crore from GoR Has been proposed. • Equity of Rs. 46.00 crore has been received from GoR during 2015-16.
2	Funds tie up for Rs. 4682 Crores including 30% equity support by Govt. of Rajasthan for implementation of Green Energy Corridor . (RVPNL)	<ul style="list-style-type: none"> • KfW- Loan agreement worth Euro 49 million signed on 17.12.2014. State Equity support is 20%. • ADB- Loan agreement for tranche-1 signed on 12.9.2014 for USD 150million. State Equity support is 30%. Rs. 43.35 cr have been directly released to various bidders by ADB as on 30.6.2015.

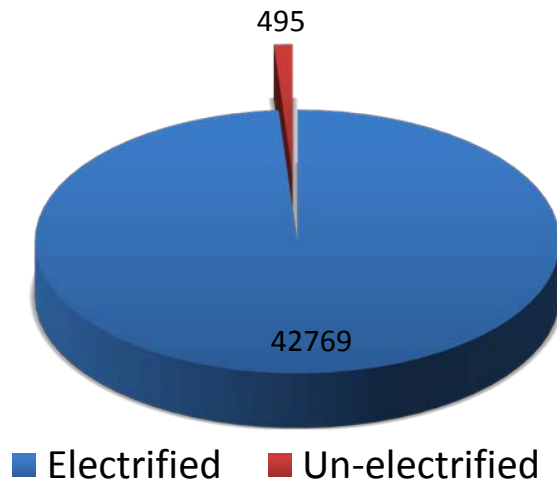
Intra State Transmission : GOI Intervention :

S.No.	Issue	Present Status/Remarks
1	For implementation of transmission system for Green Energy Corridor Projects and to avoid high incidence of transmission charges, Govt. of India to provide grant under National Clean Energy Fund (NCEF) and Clean Technology Fund (CTF).	<ul style="list-style-type: none"> • NCEF- IMG meeting held on 30.04.2015. Proposal of 407 crores is recommended to cabinet for final approval. • CTEF- Loan Agreement between GOI and ADB signed on 12.09.2014.
2	To overcome the operational practical difficulties in injection of RE power due to intermittency and variability, suitable balancing mechanisms are required to be installed. A Policy in this regard would be formulated in consultation with CEA/CERC.	Draft paper circulated by CERC.

Distribution Plan

Status of Village Electrification:

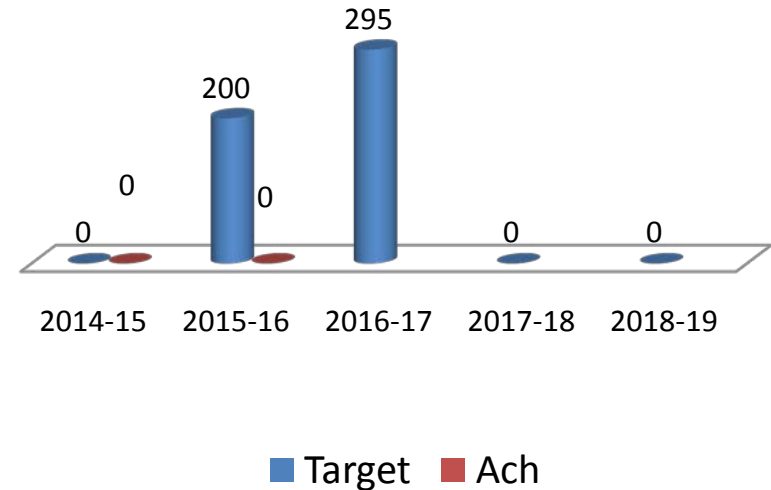
Village Electrification (Nos.)



SI No	Plan	Village Electrification (Nos.)
1	Electrified	42769
2	Un-Electrified	495

Note: After field survey, State has identified 495 UE villages.

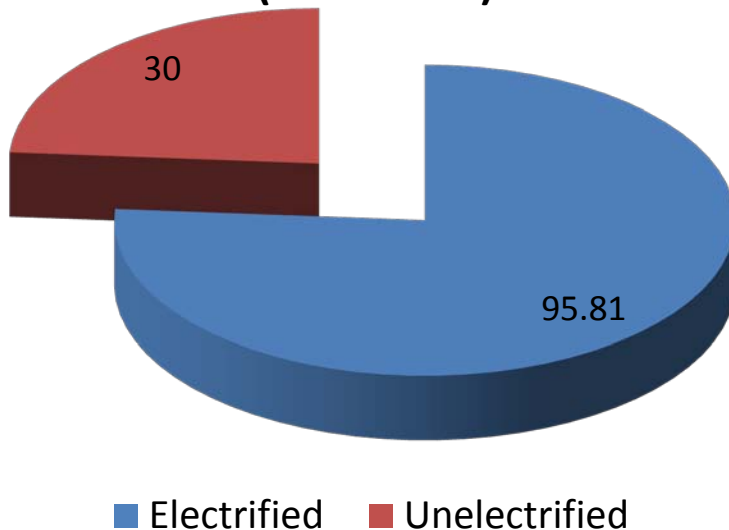
Plan for Village electrification (no.)



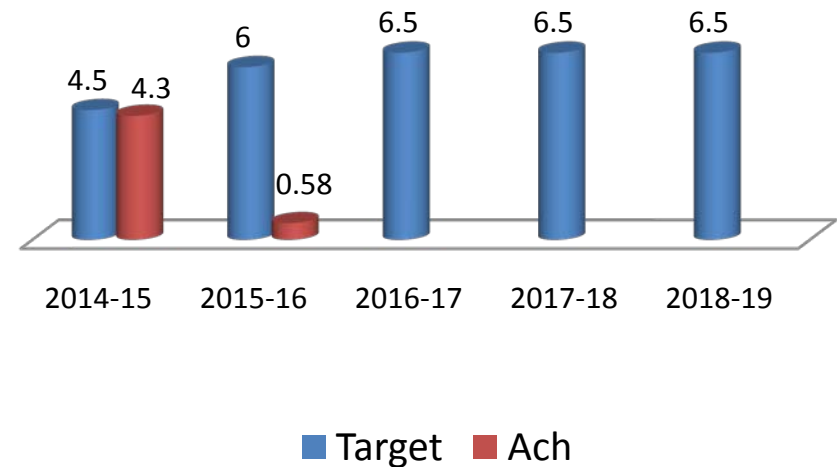
Status of Household Electrification:

- 24X7 supply to connected HHs by Dec, 2017.
- 24x7 Power supply to all HHs including unconnected HHs by Mar, 2019.

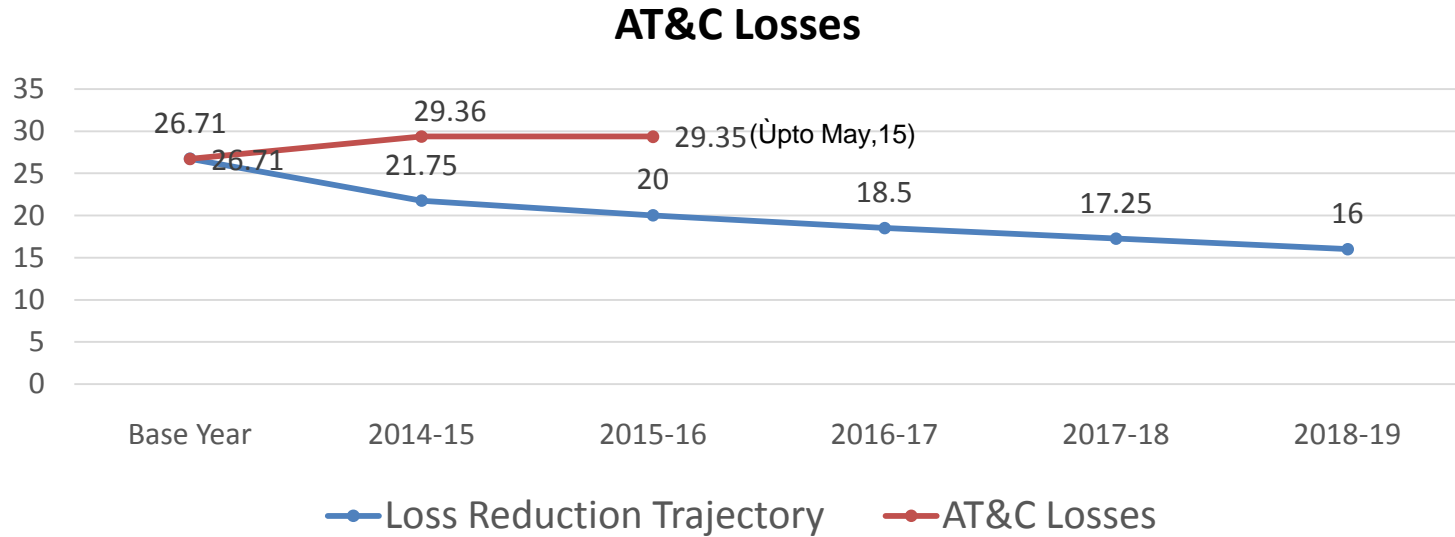
**Household Electrification
As on Mar,14
(No in Lakh)**



**Plan for HH electrification
(no.in Lakh)**



AT&C Losses:



Sl No	Plan	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	Loss Reduction Trajectory (%)		21.75	20	18.50	17.25	16
2	AT&C Losses (%)	26.71	29.36	29.35 (upto May 2015)			

AT&C losses increased because of change of norms for flat rate agriculture consumer by state government and Regulators.

Distribution :

SI No	Plan	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
		Target	Actual	Target	Actual	
State Sector						
1	AT & C Losses (%)	21.75	29.36	23.79	29.35 (upto May 2015)	AT&C losses increased because of change of norms for flat rate agriculture consumer by state government and Regulators.
2	33/11 KV Substations (Nos)	220	297	266	39	
3	Separate Three Phase System for 2000-4000 population villages (Nos)	0	0	800	0	
4	Households to be electrified (Nos)	4,50,000	4,38,016	6,00,000	58,868	
5	Village Electrification (Nos)	0	60	200	0	

Distribution - GOI Intervention :

S.No.	Issue	Present Status/Remarks
1	Financial Assistance for an amount of Rs. 4470.17 Crores under DDUGJY & IPDS.	<p>DDUGJY-Contract Awarded to M/S Wapcos on dated 4-3-15 for preparing DPRs of JVVNL & Jdvvnl. Ajmer Discom already submitted 11 districts DPRs duly approved from DEC & SLMC .Remaining 22 DPRs are under the approval of DEC may be submitted with in 1-2 weeks.</p> <p>IPDS-</p> <ul style="list-style-type: none"> • 11 DPR of PFC AVVNL Amount Rs. 408.6 Cr. to be put up before the monitoring committee. • Remaining 22 DPRs are under the approval of DEC may be submitted with in 1 week.
2	Early approval of 6 schemes at estimated cost of Rs. 816.22 Cr. submitted to REC under 12 th Plan RGGVY.	Discoms are submitting composite projects under DDUGJY.

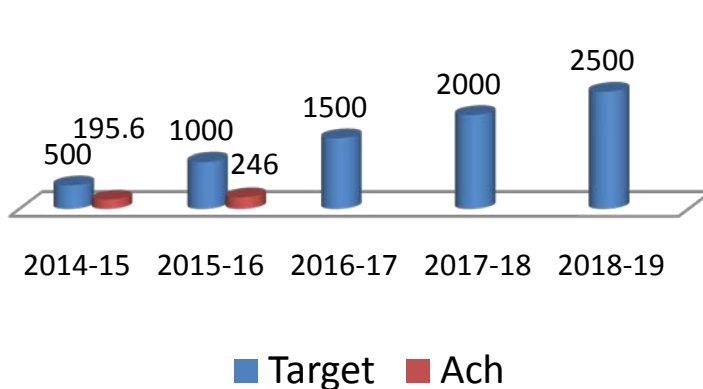
Renewable Plan

Renewable Energy :

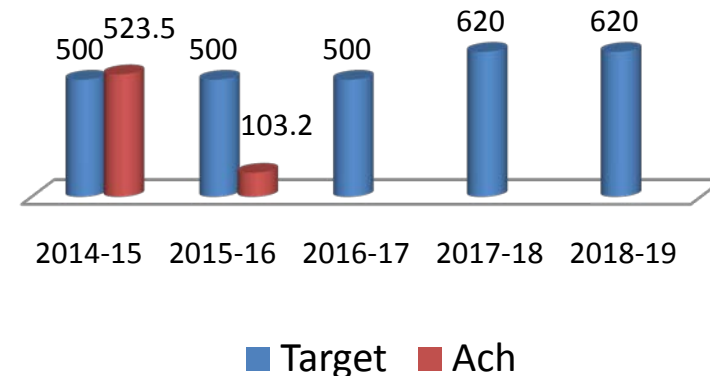
Renewable plan of Rajasthan State

Particular	Wind (MW)	Solar (MW)	Total (MW)
Existing RE Capacity (MW) (As on Mar,14)	2798	726	3524
Plan for Capacity addition by Mar,19	2740	7500	10240
Total	5538	8226	13764

Plan for Solar Power (MW)



Plan for Wind Power (MW)



Renewable Energy :

SI No	Plan	Existing Capacity	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
			Target	Actual	Target	Actual	
State Sector							
1	Solar Rooftop grid connected(MW)	0	3.5	2.98	10	0	
2	Solar off grid (MW)	0	2	0	5	0.14	Response is poor due to high up front cost payable by beneficiaries.
3	Solar Pumpsets (Nos)	9,157	5,000	7,992	5,000	2200	
Private Sector							
1	Solar Power (MW)	725	500	195.60	1,000	246	
2	Wind Power (MW)	2,798	500	523.50	500	103.2	
	Total	3,523	1,000	719.1	1,500	349.2	

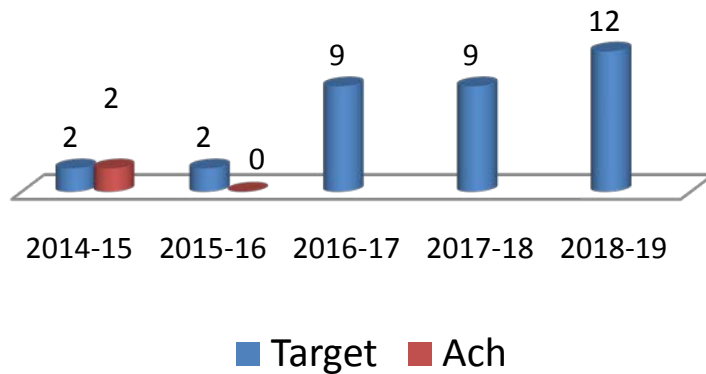
Renewable Energy: GOI Intervention

S.No.	Issue	Present Status/Remarks
1	To facilitate the earlier approval of DPRs for the above schemes under National Clean Energy Fund (NCEF)	GoR provided Rs. 407.23 Cr. Grant from NCEF out of total Rs. 1018.80 Cr. Project cost. For RE power evacuation .
2	Continuation of 56% assistance under Rashtriya Krishi Vikas Yojana for Solar Pump system	GoI requested to continue subsidy for solar pumps under RKVY.

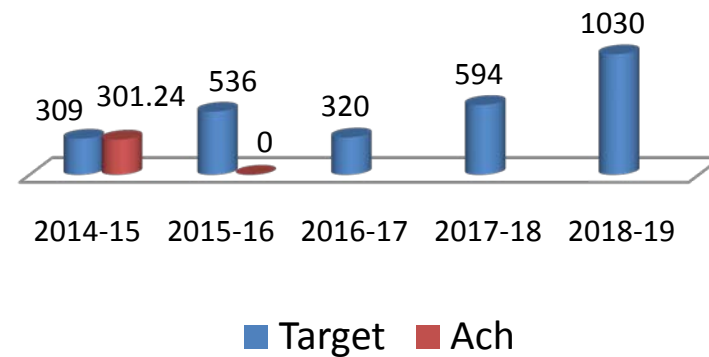
Plan for Green Energy Corridor

Green Energy Corridor :

New substation (No.)



Transmission Line (Km)



Sl No	Plan	Existing Capacity	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
			Target	Actual	Target	Actual	
Central Sector							
1	Substation (Nos)	0	2	2	2	0	
2	Line (Ckt Km)	0	309	301.24 (150.62 DC)	536	0	

Energy Efficiency Plan

Energy Efficiency :

SI No	Plan	Existing Capacity	Capacity addition during 2014-15		Capacity addition during 2015-16		Remarks
			Target	Actual	Target	Actual	
State Sector							
1	LED Distribution-Households (Nos)	0	18,00,000	0	90,00,000	8,86,165	MOU with EESL has been signed recently target will be achieved by Mar-16.
2	Agriculture Pumpsets (Nos)	0	50,000	0	2,50,000	0	Scheme yet to be formulated by EESL. For replacement of existing inefficient pump set with efficient.
3	Street Light Replacement (%)	0	12.5	0	12.5	5.4	State UDH Deptt. & EESL has launched the project to provide LED for street lighting in all 185 towns , work is under progress in 10 cities, target will be achieved by Mar-16.

Energy Efficiency : (Action plan for State):

S.No.	Issue	Present Status/Remarks
1	Distribution Companies / Utilities to file DSM petition with Rajasthan Electricity Regulatory Commission for getting sanction of the proposed DSM plan.	Preparation of petition is under process.
2	Rationalization of agricultural tariff so that benefit of energy efficiency is distributed to utility and consumer optimally.	Ag CPU is 52% of the ACS. Filing of petition for FY-16 is under submitted for further hike.
3	To issue mandatory notification for use of energy efficient pump set for new agriculture connections. Also encourage and continue the schemes for promoting EEPS like the present scheme of providing financial assistance of Rs. 500/- per HP for up gradation of existing pump sets or procurement of new EEPS.	Rs. 750/HP is being provided to new Ag pump-set installation.
4	To ensure establishment of a payment security mechanism so that the company making investments under the ESCO mode recovers the same through the savings accrued due to reduced electricity bills.	One project at Chomu is under process with ESCO mechanism to replace existing inefficient pump-set with efficient one with the help of EESL. EESL may be requested to make a plan for entire state.

Energy Efficiency : (Action plan for State):

S.No.	Issue	Present Status/Remarks
1	Effective enforcement of Energy Conservation Building Code (ECBC) compliance and mandating retrofitting in energy-audited buildings in commercial and Govt Buildings.	ECBC is exist for big buildings including commercial and Govt. buildings.
2	State Government to set up institutional framework for compliance of guidelines of BEE regarding energy efficient multi storey residential apartments including in the composite and hot & dry climatic zone.	

Energy Efficiency : GOI Intervention

S.No.	Issue	Present Status/Remarks
1	M/o Agriculture to amend the guidelines of various schemes like Rashtriya Kisan Vikas Yojana (RKVY) to promote use of star rated energy efficient pump sets (EEPS) under these schemes.	
2	BEE to expand its star labelling programs to cover higher size pump sets.	
3	Energy Efficiency Services Limited (EESL) to take up project design and project development.	
4	BEE to consider formulation of specification for LED bulbs and introducing star label scheme for LED bulbs.	

Financial Viability of DISCOM

Financial Viability of DISCOM : (Action plan for State):

S.No.	Issue	Present Status/Remarks
1	<p><u>Discoms</u></p> <ul style="list-style-type: none"> • Implementation of FRP including compliances of the mandatory conditions; • Regular tariff filing and rolling over of tariff orders ; • Regular pass through of fuel cost adjustment; • Reduction in AT&C losses as per projections • Timely preparation and finalization of annual accounts. 	<ul style="list-style-type: none"> • All compliance made • Filed tariff petition regularly, order were issue for FY-12,FY-13,FY-14,FY-15 . Filing of tariff petition for FY-16 is under process. • Quarterly FCA passed to consumers regularly. • ATC losses increase by 0.82% in CFY, work plan prepared to reduced to 15% by FY-19,target of ATC reduction for FY-15-16 is 5% from 28.21 of FY-15. • Accounts finalize timely.
2	<p>GoR</p> <ul style="list-style-type: none"> • Timely release of subsidy to the Discoms. • Timely adherence to FRP implementation liabilities. 	<ul style="list-style-type: none"> • Yes - monthly • Yes - monthly

Financial Viability of DISCOM : GOI Intervention

S.No.	Issue	Present Status/Remarks
1	<p>To approve the recast FRP covering the following basic features therein at the earliest to ensure the projected turnaround in FY 2017-18:</p> <p>The cut-off date as stipulated in Scheme be extended from 1.4.2012 to 1.4.2014;</p> <ul style="list-style-type: none"> • The moratorium period be extended by Banks/FIs by 3 years- • Full Operational Funding Requirement be provided by the Banks/FIs for further 3 years • To provide capital reimbursement support upfront against the TFM • Banks/FIs be persuaded to reduce their prevailing rate of interest on working capital loans at least by 5 per cent. 	<p>As desired by MOP, pre-post FRP situations, future plan for turn around, expectations from banks/ Gol etc, sent on to MOP 24.3.15.</p> <p>Gol is requested to direct bank and FIs for considering Re-structuring of the loans with low interest rate.</p>

Monitoring Mechanism

MONITORING MECHANISM:

S.No	Monitoring at the level of	Frequency of review (as per PFA document)	Date of First Review Meeting	Date of Last Meeting
1	Government of India (GOI) Level Committee: (headed by Secretary)	Quarterly	20.1.2015	20.01.2015
2	Government of India (GOI) Level Committee: (headed by Joint Secretary (Distribution))	Monthly	13.11.2014	22.4.2015
3	State Government Level Committee (headed by Chief Secretary)	Quarterly		26.06.2015
4	Department Level Committee (headed by Energy Secretary)	monthly		26.06.2015
5	District Level Committee (headed by District Collector)	-		Jun-15
6	Project Monitoring Unit (PMU)	-		Contract awarded for DPR preparation. Select PMA through bidding for centralize monitoring.



Generation (2014-15):

SI No	Project Name	Expected Outcome (MW)	Target Date of Completion	Achievement (MW) as on July, 2015	Remarks
1	BBMB : Upgrading	13.65	30/12/2014	0	Delayed due to design and quality issues from the contractor. Expected to be commissioned in 2016-17.
2	Chhabra TPS : Stage-1 Phase 2	250	7/5/2014	250	
3	Kalisindh TPS : Stage-I Unit-1	600	31/03/2015	600	
4	Barh STPP : Stage-II (2x660)	132	31/03/2015		From 2x660 MW at Barh, the share of Rajasthan is 132 MW. The commissioning is delayed due to contractual problem between NTPC and contractor.
5	UMPP Sasan (Unit 1 & 2)			66	Central Sector Project
6	Rampur (Unit 1-6)			31.21	Central Sector Project
7	Ramgarh RGTPP : Stage-III ST-2	0	7/6/2014	50	In addition of the set target, 50 MW capacity has been added from Thermal-Gas at Ramgarh RGTPP project
	Total:	995.65		997.21	

Generation (2015-16):

SI No	Project Name	Expected Outcome (MW)	Target Date of Completion	Achievement (MW) as on July, 2015	Remarks
1	Kalisandh TPS: Unit 2	0			The unit is commissioned on full load on dated 06.06.15 and COD is expected by July 2015.
2	UMPP Sasan (Unit 3 & 4)				66 MW state share is expected to be added shortly.
	Total	0		0	

Inter-State Transmission (2014-15):

SI No	Project Name	Expected Outcome (Ckt-km)	Target Date of Completion	Achievement (Ckt-km) as on July, 2015	Remarks
	765KV Line				
1	a. Gwalior-Jaipur (Ckt-1)	304	Nov-12	287	Wild life sanctuary (clearance received in Feb'15). Stage-I awaited for GIB forest. Exp. COD Aug,15
2	b. Gwalior-Jaipur (Ckt-2)	311	Dec-14	266	
3	c. Jaipur-Bhiwani (Ckt-1)	272		5	Severe ROW problem in Bhiwani end. Exp COD Mar,16
4	d. Jaipur-Bhiwani (Ckt-2)	272	Mar-16	252	
	400KV Line				
1	a. Sikar-Ratangarh	160		160	
2	b. Sikar-Jaipur			340	
	Total:	1319		1310	

Intra-State Transmission (2014-15):

SI No	Project Name	Expected Outcome (MVA)	Achievement (MVA) as on July, 2015	Remarks
765KV GSSs				
1	Phagi (Jaipur)	3000	3000	Commissioned on 4.1.2015
2	Anta (Baran)	3000	3000	Commissioned on 5.1.2015
Total		6000	6000	
400KV GSSs				
1	Ajmer			Delay on contract part. Associated line work completed. Likely to be commissioned by Sep 2015.
220KV GSSs				
1	Madri	100	100	Commissioned on 5.1.2015
2	Badnu	160	160	Commissioned on 5.1.2015
3	Bamantukda	160	160	Commissioned on 8.3.2015
4	Badisid (Green)	160	160	Commissioned on 15.3.2015
5	NPH (Jaipur)	160	160	Commissioned on 28.3.2015
6	Baithwasia (Green)	160	160	Commissioned on 28.3.2015
7	Tehandesar	100	100	Commissioned on 30.3.2015
8	Sitapura	160	160	Commissioned on 31.3.2015
Total		1160	1160	

Intra-State Transmission (2014-15): (contd..)

SI No	Project Name	Expected Outcome (MVA)	Achievement (MVA) as on July, 2015	Remarks
	132KV GSSs			
1	MNIT (commissioned)	100	100	Commissioned on 02.04.2014
2	Pratap Nagar	100	100	Commissioned on 12.06.2014
3	Subhashnagar	25	25	Commissioned on 17.12.2014
4	Bagadi	25	25	Commissioned on 31.12.2014
5	Jatawali	25	25	Commissioned on 8.1.2015
6	Nangalpyariwas	25	25	Commissioned on 29.1.2015
7	Kherwara	12.5	12.5	Commissioned on 28.2.2015
8	Ajasar	25	25	Commissioned on 28.2.2015
9	Sultanpur	25	25	Commissioned on 25.3.2015
10	Kushalgarh	25	25	Commissioned on 22.3.2015
11	Deh	25	25	Commissioned on 23.3.2015
12	Engineering College (GIS)	100	100	Commissioned on 30.3.2015
13	Gudha Chnderji PS Nadauti	25	25	Commissioned on 31.3.2015
14	Khetusar	25	25	Commissioned on 24.4.2015.
15	Panchu	25		Approval for Railway crossing awaited. Expected to be completed by July 2015.
16	Posaliya	25		Line work delayed due to ROW. Expected to be completed by July 2015.
17	Sarna Doongar (Jaipur)	25		Line work delayed due to ROW (Defense Clearance is awaited).
18	Anandpur Kaloo	25		Line work delayed due to ROW & Contractor part. Expected to be completed by July 2015.
19	Batoda	25	25	Commissioned on 10.06.2015.
20	Gudha Chnderji PS Nadauti	25	25	Commissioned on 15.06.2015.
	Total	712.5	612.50	

Intra-State Transmission (2015-16):

Sl No	Project Name	Expected Outcome (MVA)	Achievement (MVA) as on July, 2015	Remarks
400 kV GSS				
1	Chittorgarh (Chittorgarh)	630		Scheduled to be commissioned by Dec 15
2	Babai (Jhunjhunu)	630		Scheduled to be commissioned by March 16
	Total	1260		
220 kV GSS				
1	Barli (Jodhpur)	100		Scheduled to be commissioned by May 15
2	Aau (Jodhpur)	100		Scheduled to be commissioned by May 15
3	Vatika (Jaipur)	160		Scheduled to be commissioned by July 15
4	Sayla (Jalore)	100		Scheduled to be commissioned by July 15
5	Danta Ramgarh (upgradation) (Sikar)	100		Scheduled to be commissioned by Aug 15
6	Goner (Jaipur)	160		Scheduled to be commissioned by Sept 15
	Total	720		
220KV GSSs				
1	Ghatol (Banswara)	25		Scheduled to be commissioned by June 15
2	Kirmarsariya (Jodhpur)	25		Scheduled to be commissioned by July 15
3	Sherera (Bikaner)	25		Scheduled to be commissioned by July 15
4	Bhasina (Churu)	25		Scheduled to be commissioned by July 15
5	Arain PS Kishangarh (Ajmer)	25		Scheduled to be commissioned by July 15
6	Mangrol (Baran)	25		Scheduled to be commissioned by Aug 15
7	Seemalwala (Dungarpur)	25		Scheduled to be commissioned by Sept 15
8	Parbatsar (Nagaur)	25		Scheduled to be commissioned by Oct 15
9	Hatundi (Jodhpur)	25		Scheduled to be commissioned by Oct 15
10	New Jhotwara (GIS) (Jaipur)	100		Scheduled to be commissioned by Dec 15
11	Bichiwara (Dungarpur)	25		Scheduled to be commissioned by Dec 15
12	Govindgarh (Alwar)	25		Scheduled to be commissioned by Dec 15
13	Gogela (Nagaur)	25		Scheduled to be commissioned by Jan 16
14	Pahari PS kaman (Bharatpur)	25		Scheduled to be commissioned by Feb 16
15	Bhim (Rajasmand)	25		Scheduled to be commissioned by Feb 16
16	Chhatargarh (Bikaner)	25		Scheduled to be commissioned by March 16
	Total	475		
220KV GSS(Green)				
1	Aau (Jodhpur)	160	160	Commissioned on 8.5.15
2	Kanasar (Jodhpur)	160		Scheduled to be commissioned by Dec 15
	Total	320	160	

Green Energy Corridor (2014-15):

SI No	Project Name	Expected Outcome (MVA)	Achievement (MVA) as on July, 2015	Remarks
220 kV GSS				
1	Badisid	160	160	Commissioned on 15.3.2015
2	Baithwasia	160	160	Commissioned on 28.3.2015
Total		320	320	

SI No	Project Name	Expected Outcome (Km)	Achievement (Km) as on July, 2015	Remarks
220kV Lines				
1	LILO of 220kV D/C Baap - Bhadla line at Badisid	14.32	14.32	Commissioned on 10.3.2015
2	220kV D/C Bhawad-Baithwasia line	33.048	33.048	Commissioned on 28.3.2015
3	220kV D/C Aau - Baithwasia	93.254	93.254	Commissioned on 29.3.2015
Total		140.622	140.622	
132kV Lines				
1	LILO of existing 132 KV S/C Aau(132 KV GSS)-Phalodi line at proposed 220 KV GSS Aau	10	10	Commissioned on 30.7.2014
Total		10	10	