

# INVESTMENT PLAN

For

FY 2015-16

Submitted to

RAJASTHAN ELECTRICITY REGULATORY COMMISSION,  
Jaipur

By

Rajasthan Rajya Vidyut Prasaran Nigam Limited  
Vidyut Bhawan, Jaipur

NOVEMBER, 2014

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## Prayer

RVPN humbly requests the Honorable Commission to:

Approve Investment Plan for the year 2015-16 alongwith this application.

And pass such other and further orders as are deemed fit and proper in the facts and circumstances of the case.

## WRITEUP ON INVESTMENT PROPOSAL FOR THE YEAR 2015-16

### 1. INTRODUCTION

To follow the Grid Code, Govt. Policies, Electricity Act 2003, and to provide stable and reliable EHV transmission system for the State of Rajasthan with the changing load and Generation scenario in the system, investment by RVPN on capital works is mainly done on following Transmission Schemes :

- (i) Power Evacuation Schemes - These schemes are given priority, so that their commissioning matches with the various new generating capacity addition schedules.
- (ii) Loss Reduction Schemes - To meet the requirement of DISCOM by way of creation of new 132kV Substation near the load centre of 33 kV network and creation of new 765kV/400kV/220 kV lines and substations to meet growing demand at 132kV & 220 kV substations due to load demand spread over the State and to keep losses within the prescribed limit.
- (iii) System Strengthening / Reliability Schemes – Schemes to maintain system stability, minimise restoration time in the event of outage.
- (iv) Augmentation – Substation works requiring capacity addition to match corresponding load conditions.
- (v) Capacitor installation – These are to meet grid requirement as indicated by NRPC on the basis of system study conducted.
- (vi) Purchase of Testing Equipments, Metering equipments, IT/Softwares, Protection equipments etc.
- (vii) Automation / SCADA solutions.
- (viii) RMU of equipments & protection / PLCC schemes etc.

### 2. INVESTMENT (OUT LAYS & RESOURCES)

Investment on above schemes is generally made from the following:

- a. Plan fund.
- b. Outside Plan fund

#### (i) PLAN FUND :-

##### OUTLAYS:

Outlays for plan fund are approved by the State Govt. The State Government while finalizing the State plan indicates the outlays for all departments including Energy Department. The Planning Department, Govt. of Raj, conveys the outlays and as per their directions proposals are prepared for outlays allotted for RVPN.

##### RESOURCES:

The funds for Plan works are mainly arranged from the issue of bonds, loan assistance from Nationalised Banks, PFC, NABARD, NCRPB, REC, ADB, KfW and State Govt. Equity etc.

(ii) **OUTSIDE PLAN FUND:**

**OUTLAYS:**

When Plan Funds are not sufficient to achieve targets and to execute schemes as per orders / contracts, funds are arranged from out side plan by financing the schemes from financial Institutions.

At present no works outside plan are envisaged except Deposit Works for specific job as per request from concerned person / agency / department. These works are taken by RVPN (if technically found feasible) for which estimated cost is born by concerned person / agency / department.

**RESOURCES:**

Outside Plan funds (long term loans) whenever required are arranged mainly by posing schemes for financial assistance to Power Finance Corporation, REC, Commercial Banks etc.

Deposit Works are executed with funds of user's contribution.

**3. STATUTORY CLEARANCES & COMPLETION PERIOD OF SCHEMES**

For Completion of transmission schemes/ construction of lines, allotment of lands, various statutory clearances like Right of way, Forest clearance, PTCC clearance, Railway crossing are required to be obtained from various departments. Considering the time taken for allotment/clearances by various departments, the execution / completion period for 765kV Schemes is about 3-4 years, whereas for 400kV and 220kV schemes it is about 2-3 years depending upon construction of line length involved in the scheme whereas 132kV schemes are generally completed in 1-2 years.

**4. INVESTMENT DURING 2014-15**

As per outlay intimated/ approved by Planning Department, Govt. of Rajasthan, an investment of Rs.2450 crores was proposed during 2014-15 by RVPN and accordingly a petition for Investment Plan for 2014-15 was submitted in RERC. Further Plan size reduced to Rs. 1830.00 crore and a revised petition for Investment Plan for FY 2014-15 was submitted in RERC.

RERC vide order dated 9.10.2014 has approved investment during the year 2014-15 for envisaged Transmission works including SLDC function to Rs. 1539.00 crore only with the mention that " If RVPN incurs actual expenditure more than what is approved in this order RVPN may seek a revision with reasons and the Commission may consider the same subject to verification of actuals and prudence check". Considering the outlay of Rs.1810.00 Crores for Investment during 2014-15, the details of investment approved by RERC, Revised outlays/ anticipated expenditure (tentative) and expenditure upto October 2014 are as under:

(Rs.in crores)

S. No.	Head	Investment approved by RERC (2014-15)	Revised Outlays/ Anticipated expenditure	Expenditure upto October 2014
1	Transmission works	1539.00	1810.00	1197.19
	<b>Total</b>	<b>1539.00</b>	<b>1810.00</b>	<b>1197.19</b>

Besides above a provision of Rs.41.58 crore is proposed against various deposit works during 2014-15.

The Physical Targets of 2014-15 (revised) and achievements up to October., 2014 are as under:-

S. No.	Works	Unit	Target 2014-15 (Revised)	Achievement 2014-15 (Up to Oct.. 2014)
<b>1</b>	<b>Transmission :</b>			
	(i) 765kV Substations	MVA/No	3000/2	-
	(ii) 400 kV Lines	ckM	300	-
	(iv) 400 kV Substations	MVA/Nos	315/1	-
	(v) 220 kV Lines	ckM	1000	312.614
	(vi) 220 kV Substations	MVA/Nos	920/8	420/2
	(vii) 132 kV Lines	ckM	600	105.177
	(viii) 132 kV Substations	MVA/Nos	600/20	175/2
<b>2</b>	<b>Augmentation :</b>	MVA	2150	1215
<b>3</b>	<b>Capacitors</b>	MVAR	150	0.00

#### 5. INVESTMENT DURING 2015-16 (Proposed)

**Outlays / Investment:-** Looking to the requirement of transmission system for evacuation of power from forth coming generation projects and expansion of transmission system on the basis of load growth and requirement of distribution companies, various works have been taken up for execution. For all these works RVPN has considered an outlay of Rs.2400 Crores (Rs.2380.00 crore for Transmission works + Rs.20.00 crore for Shared Generation Projects) as per following break up :

	Rs. in Crores
(i) IEBR	- 1575.80
(ii) Proposed outlay 2015-16 (Equity)	- 652.00
(iii) Grant	- 172.20
<b>Total</b>	<b>- 2400.00</b>

Thus, proposed outlay during **2015-16** for transmission works shall be as under:

(Rs. in crores)

S. No.	Head	Outlay (Tentative)
1	Transmission Works	2380.00
	<b>Total</b>	<b>2380.00</b>

The above outlay will be utilised for investment mainly for execution of power evacuation schemes linked with various Conventional power generation projects and renewal power projects and system strengthening schemes, augmentation works and other allied works.

The work of 400kV and 220kV lines and 765kV, 400kV & 220kV GSSs related to above generation projects are under execution. Besides above new works

related to forthcoming generation projects / system strengthening schemes are likely to start in 2015-16.

**Resources:** - The details of tentative resources for financing the above investment during 2015-16 of Rs. 2400 crores are as under:

<b>S. No.</b>	<b>Particulars</b>	<b>Amount (Rs.in Crores)</b>
1	Bonds (Private Placement)	700.00
2	PFC/Commercial Banks/ NCRPB / NABARD/ RECetc.	152.40
3	Asian Development Bank (ADB)	601.20
4	KfW Loan	122.20
5	State Govt. Equity	652.00
6	Grant from National Clean Energy Fund (NCEF) through MNRE.	122.20
7	Grant from PSDF	50
<b>Total</b>		<b>2400.00</b>

## **TRANSMISSION**

### **PHYSICAL TARGETS**

Under transmission works the following physical targets are proposed to be undertaken during 2015-16 -:

<b>S. No.</b>	<b>Works</b>	<b>Unit</b>	<b>Target 2015-16 (Proposed)</b>
i.	Transmission:		
	-765 kV Substations	MVA	4500
	-765 kV Substations	Nos.	--
	- 400 kV Lines	ckMs.	580
	- 400 kV Substations	MVA	945
	- 400 kV Substations	Nos.	1
	- 220 kV Lines	ckMs.	545
	- 220 kV Substations	MVA	900
	- 220kV Substations	Nos.	6
	- 132 kV Lines	ckMs.	600
	- 132 kV Substations	MVA	475
	- 132 kV Substations	Nos.	16
ii	Augmentation	MVA	1500
iii	Capacitor Banks	MVAR	150

## **6. JUSTIFICATION OF SCHEMES UNDER EXECUTION**

For strengthening of Transmission network as per requirement of load growth, requirement of distribution companies and for evacuation of power from forthcoming generation projects, the transmission schemes are identified for

execution from time to time. These schemes are prepared / identified as per load flow studies and guidelines of RERC and approved from WTD/BoD of RVPN. The evacuation schemes are prepared on the basis of N-1 criteria of CEA for providing reliable evacuation to the maximum generation. The financial analysis is also done where ever applicable and results of the same (i.e. Net Present Value) are indicated in the coloumn no 6 & 7 of Form No.2 of Investment Plan Petition. Detailed Project Reports of these EHV schemes (costing more than Rs. 10 Crores) incorporating the Load Flow Study, Justification etc. is regularly being sent to the Regulatory Commission in reference to the clause no. 3(1) of Investment Approval Regulations 2006. Brief description/ justification of each scheme are shown in the Form No. 2 under the remarks column.

**7. SUB-CATEGORY WISE ANNUAL PLAN EXPENSES DURING 2015-16: -**

With reference to the Investment Approval Regulation 2006 Clause No. 9.E(b), the capital expenditure proposed in financial year 2015-16 under various categories are as under :-

S. No.	Schemes	Investment/ Provision	% of Total Investment of Rs.2380 Crores for Transmission	Ceiling limit of outlay
1	Evacuation Schemes and Strategic Importance Schemes	115404	48.49	60%
2	Schemes based on cost benefit Analysis	54850	23.05	60%
3	On-going schemes and carried over liabilities	21956	9.23	10%
4	Capacitors installation	1000	0.42	5%

**8. APPROVAL FROM TRANSMISSION SYSTEM PLANNING AND COORDINATION COMMITTEE (TSPCC): -**

As per guidelines of RERC, the transmission schemes are to be approved from the Technical Committee. Accordingly, after approval of EHV transmission schemes from WTD/BoD of RVPN the schemes are submitted before Transmission System Planning and Coordination Committee for approval from time to time. All the EHV schemes included in the proposed Investment Plan 2015-16 of RVPN are approved by the TSPCC.

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## RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.

### Investment Proposals for the Financial Year 2015-16(Proposed)

#### (Physical & Financial Targets & Achievement)

(Rs. In Lacs)													
S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	Year of Start	Commissioning date/year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative Provision)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>A</b>	<b>Approved Scheme</b>												
	<b>I. ON GOING SCHEMES</b>												
<b>I</b>	<b>765kV SCHEMES</b>												
1	765/400 kV GSS at Phagi(Jaipur South) alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors and 400kV, 1x125 MVAR Bus Reactor at Phagi (Jaipur South)	83285.06	2010-11	2014-15	N.A.	N.A.	MVA	1500	1500	31045.00	15000	500	To evacuate power from Chhabra Super Critical TPS and Kalisindh TPS
2	400/765 kV GSS at Anta(Baran) Pooling Station alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors.	50463.53	2010-11	2014-15	N.A.	N.A.	MVA	1500	1500	24875.81	20600	500	
3	765 kV, 1X S/C Anta- Phagi(Jaipur South) ckt - I	68161.58	2010-11	25.3.14	N.A.	N.A.	kM			33200	1100	-	
4	765 kV, 1 X S/C Phagi(Jaipur South)- Anta ckt -II		2010-11	4.1.14	N.A.	N.A.	kM			32700		-	
	<b>Evacuation system for Kawai Super Critical TPS (2x660MW)</b>												
5	Additional 1x1500 MVA, 765/400 kV transformer (3rd transformer) at 765/400 kV pooling station Anta (Baran)	16161.12	2010-11	2015-16	N.A.	N.A.	MVA		1500	Incl in I.2	Incl in I.2	Incl in I.2	To evacuate power from Kawai Super Critical TPS
<b>II</b>	<b>400kV SCHEMES</b>												
	<b>Composite Power Evacuation System {Chhabra Super Critical TPS (2x660MW) &amp; Kalisindh TPS (2x600 MW)}</b>												
1	400 kV D/C (Quad Moose) Kalisindh TPS -Anta(Baran) Pooling Station Line (For Kalisingdh TPS )	18948.83	2010-11	26.3.14	N.A.	N.A.	kM			18110.3	200	-	This scheme is primarily formed to evacuate power from Chhabra Super Critical TPS and Kalisindh TPS
2	400/220 kV GSS at Ajmer	12334.01	2010-11	2014-15	N.A.	N.A.	MVA	315	315	7476.17	2800	800	
3	Terminal 400 kV Bays at existing 400 kV Substation at Heerapura	996.09	2010-11	2015-16	N.A.	N.A.							
4	400 kV D/C (Twin Moose) Phagi (Jaipur 765 kV)-Ajmer Line	11603.74	2010-11	2015-16	N.A.	N.A.	kM		213	6448.51	2500	3000	
5	400 kV D/C Phagi (Jaipur ) - Heerapura line	3716.19	2010-11	2015-16	N.A.	N.A.	kM		89	2571.29			
6	400 kV D/C (Quad Moose) Chhabra SCTPS - Anta(Baran) Pooling Station Line (For Chhabra TPS ) (Line work completed ,termination pending on chhabra end)	24632.16	2010-11	2015-16	N.A.	N.A.	kM		179	19158.22	200	100	
	<b>Power Evacuation of Banswara Super Critical TPS ( IPP Unit-1&amp;2) (2X660MW)</b>												
7	400/220 kV GSS at Chittorgarh alongwith 400kV, 1x80 MVAR Bus Reactor, and 2x50MVAR Line Reactors at Chittorgarh end of 400kV D/C Banswara TPS-Chittorgarh line. (Under normal development)	13834.05	2010-11	2015-16	N.A.	N.A.	MVA		315	6534.17	500	200	This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS . Jodhpur (New) & Chittorgarh GSS alongwith its associated lines are essentially required as per system studies. Decided to advance its construction
8	Terminal 400 kV Bays at existing 400kV Substation Bhilwara	2440.86	2010-11	2015-16	N.A.	N.A.							
9	400/220 kV GSS at Jodhpur (New) alongwith 400kV, 1x80 MVAR Bus Reactor and 2x50MVAR Line Reactors at Jodhpur end of 400kV D/C Udaipur -Jodhpur (New) line. (Under normal development)	14790.96	2011-12	2016-17	N.A.	N.A.	MVA			0	1200	4444	

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	<b>400kV Interconnecting Lines (Banswara Super Critical TPS Evacuation) :</b>												
10	400 kV D/C Chittorgarh-Bhilwara (Twin Moose) Line (Under normal development)	4644.14	2011-12	2015-16	N.A.	N.A.	kM		99	1287.62	2500	500	This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS .
11	LILO of 400kV Jodhpur -Merta line at 400 kV GSS Jodhpur(New)	3716.19	2012-13	2016-17	N.A.	N.A.	kM			0	1200	800	Jodhpur (New) & Chittorgarh GSS alongwith its associated lines are essentially required as per system studies. Decided to advance its construction
12	400 kV D/C Bhilwara-Ajmer (Twin Moose) Line	13923.6	2012-13	2016-17	N.A.	N.A.	kM			9852.75	3400	3000	
	<b>Power Evacuation Scheme of Suratgarh Super Critical TPS (Unit 7&amp;8) (2x660MW)</b>												
13	400/220 kV GSS at Babai (Jhunjhunu) alongwith 400kV, 1x80 MVAR Bus Reactor and 2x80MVAR Line Reactors at Babai end of 400kV D/C Suratgarh TPS-Babai (Jhunjhunu) line.	14388.31	2010-11	2016-17	N.A.	N.A.	MVA			6227.96	1600	1500	This scheme is primarily formed to evacuate power from Suratgarh TPS
14	Terminal 400 kV Bays at existing 400 kV Substation Bikaner (with 400kV, 1x50 MVAR Shunt Line Reactor at Bikaner end of 400kV S/C Bikaner-Merta line.)	2760.19	2011-12	2015-16	N.A.	N.A.							
15	Terminal 400 kV Bay at existing 400 kV Substation Mertacity with 400kV, 1x50 MVAR Shunt Line Reactor at Merta end of 400kV S/C Bikaner-Merta line.	1387.99	2011-12	2015-16	N.A.	N.A.							
	<b>400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :</b>												
16	400 kV S/C Bikaner- Merta (Twin Moose) Line	11899.74	2011-12	2014-15	N.A.	N.A.	kM	172		9825.19	2000	50	This scheme is primarily formed to evacuate power from Suratgarh TPS
17	400 kV D/C Suratgarh TPS- Babai (Jhunjhunu)(Quad Moose) Line	43576.58	2010-11	2016-17	N.A.	N.A.	kM		480	26233.14	5200	6000	
	<b>Evacuation system for Kawai Super Critical TPS (2x660MW)</b>												
18	(i) 400 kV D/C (Quad Moose) Kawai SCTPS-765/400 kV Anta (Baran) line	14944.75	2010-11	4.1.14	N.A.	N.A.	kM			4974.113	100	-	This scheme is prilimnarily formed to evacuate power from Kawai Super Critical TPS
	(ii) 3 nos. 400 kV bays at 765/400 kV Anta(Baran) Pooling Station	Incl. in I.A.5	2011-12	2014-15	N.A.	N.A.				Incl. in 765kV Anta	Incl. in 765kV Anta	Incl. in 765kV Anta	
	<b>Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer &amp; Jodhpur Districts</b>												
19	400/220 kV, 3 X 500 MVA Pooling Sub-Station GSS at Ramgarh (Jaisalmer) alongwith 400kV, 1x125 MVAR, 400kV Shunt Reactor (Bus type) and 2x50 MVAR Shunt Reactor (line type) for 400kV D/C Ramgarh-Bhadla line (ADB TR-1) and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 MVA (RVPN scope)	30820.43	2011-12	2016-17	N.A.	N.A.	MVA			15314.66	1300	7300	This scheme is formed to evacuate power from new solar and wind power plants in Jaisalmer, Barmer, Jodhpur Districts.



<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit kM/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	(i) 1 No. 400kV bay at 400kV GSS Hindaun (For termination of 400kV S/C Hindaun - Alwar line at Hindaun end)	1346.62	2013-14	2014-15	N.A.	N.A.				0	200	-	System Strengthening Scheme to provide stability to evacuation system of Chhabra TPS and to meet load growth in NCR region
31	<b>Inter- connect RVPN's 765/400 kV Anta GSS to PGCIL's 400/220 kV Kota GSS</b>												
	(i) LILO of 2 <sup>nd</sup> circuit of 400 kV D/C Chhabra TPS-Dahra section at 765/400 kV Anta GSS	92.65	2012-13	2016-17	N.A.	N.A.	kM			0	300	800	This scheme is primarily formed to evacuate power from Chhabra Super Critical TPS and Kalisindh TPS.
	(ii) 400kV bay equipments work at 765/400kV Anta GSS	1811.54	2012-13	2016-17	N.A.	N.A.				0			
	(iii) 400 kV S/C line extension from 765/400 kV Anta GSS to PGCIL's 400/220 kV Kota GSS	2686.80	2012-13	2016-17	N.A.	N.A.	kM			0			
32	<b>PSDF funded schemes</b>												
	(i) 400 kV, 1x 125 MVAR Bus Reactor alongwith 400 kV Bay at 400 kV GSS Hindaun	1172.94	2014-15	2015-16	N.A.	N.A.				0	200	1256	
	(ii) 400 kV, 1x 125 MVAR Bus Reactor at 400 kV GSS Merta City (in place of existing 400 kV, 1x 50 MVAR Bus Reactor by its removal and shifting to 400 kV GSS Bhilwara)	829.84	2014-15	2015-16	N.A.	N.A.				0			
	(iii) 400 kV, 1x 50 MVAR Bus Reactor alongwith 400 kV Bay at 400 kV GSS Bhilwara (Reactor to be shifted from 400 kV GSS Merta City)	393.35	2014-15	2015-16	N.A.	N.A.				0			
<b>III</b>	<b>220kV SCHEMES</b>												
	<b>Normal development works</b>												
1	220/132kV GSS at <b>Lalsot</b> (Distt. Dausa)	2430.96	2011-12	11.1.14	-1339.05	-1826.96	MVA			1703.9	200	-	Loss Reduction & System Strengthening Scheme . Reduction in transmission losses (33.20 LU) . To reduce loading on 132kV lines and meeting future load growth in the area.
2	(i) 220 kV GSS at <b>Manoharpur</b> (Upgradation) (Distt. Jaipur)	2758.31	2010-11	28.2.14	-205.79	165.77	MVA			4125.82	200	-	System Strengthening & Load Catering scheme to reduce transmission losses (132.82 LU).To reduce the overloading and create ring main system.
	(ii) 220 kV D/C Kotputli-Manoharpur line	2001.28	2010-11	26.2.14	-205.79	165.77	kM						
3	(i) 220 GSS at <b>Gangapurcity</b> (New location) (Distt. Sawai Madhopur)	3610.37	2010-11	21.2.14	-444.25	-145	MVA			2973.79	200	-	System Strengthening & Load Catering scheme.Reduction in transmission losses (140.76 LU) , to reduce over loading and create ring main system.
	(ii) 220 kV D/C Hindaun (400 kV GSS) - Gangapurcity line	1668.10	2010-11	21.12.13	-444.25	-145	kM						
4	LILO of 220 kV Debari - Banswara line for 220 kV Madri with 220 kV GSS at <b>Madri</b> (Udaipur )	3412.72	2008-09	21.4.14	-914.59	-1260.78	kM/MV A	100		3326.2	50	-	

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	Year of Start	Commissioning date/year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit kM/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
5	(i) 220/132kV GSS at <b>Badnu</b> (Upgradation) (Distt. Bikaner)	2388.21	2011-12	6.5.14	591.11	1351.92	MVA	160		1234.4	300	100	Loss Reduction & System Strengthening Scheme. Reduction in transmission losses (112.02 LU) and to cater load growth and form ring system to enhance the reliability of power supply in nearby area.
	(ii) LILO of existing 220 kV Ratangarh(400kV)-Bikaner(220kV) line at 220 kV GSS Badnu.	1001.74	2011-12	6.5.14			kM	42		674.49			
	(iii) 220kV S/C Tehandesar -Badnu line	797.87	2011-12	2014-15			kM	33		284.04			
6	<b>Jaipur City EHV network strengthening scheme-1</b>												
(a)	220/132kV, 2x160 MVA capacity GIS Substation at <b>Mansarovar</b> (Jaipur) and allied works	7476.20	2010-11	17.8.13	NA	NA	MVA			1141.42	200	-	System Strengthening Scheme to reduce transmission losses (101.41 LU) and for meeting the increasing load of Jaipur city
(b)	220kV GIS Substation at Nallah Power House (Jaipur) alongwith associated lines and allied works												
i.	220 kV GIS substation at existing 132 kV Nallah Power House, Jaipur	6933.93	2010-11	<b>2014-15</b>	NA	NA	MVA	160		5734.09	400	200	System Strengthening Scheme to reduce transmission losses (101.41 LU) and for meeting the increasing load of Jaipur city
ii.	Up-gradation of existing 132 kV (S/C & D/C Sections) Line to 220 kV D/C Line Between 220 kV Heerapura to 220 kV Nallah Power House	854.81	2010-11	2014-15	NA	NA	kM	10					
iii.	2 Nos. 220 kV Terminal Bays at 400 kV Heerapura/ 220 kV Substation at Heerapura	236.83	2010-11	2014-15	NA	NA							
	<b>JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]</b>												
7	220 kV GSS at Sitapura (New) and associated lines.												
(i)	220 kV Substation at Sitapura (Jaipur)	2769.07	2011-12	<b>2014-15</b>	NA	NA	MVA	160		1730.55	2000	200	To reduce transmission losses (136.60 LU) and to meet increasing load of Jaipur City (System Strengthening, Load Catering)
(ii)	Up-gradation of existing 132 kV S/C Line to 220 kV D/C Lines Between 220 kV Sanganer to 220 kV Sitapura.	704.72	2011-12	2014-15	NA	NA	kM	21					
(iii)	1 No. 220 kV Terminal Bays at 220 kV Substation at Sitapura	118.37	2011-12	2014-15	NA	NA							
(iv)	Up-gradation of existing 132 kV S/C Line Sanganer-Chaksu Line to 220 kV D/C Line [for future connectivity to 400 kV Jaipur South (PG) (approx. 34kM)] 20 kM line on 220 kV D/C narrow base towers and balance 14 kM on 220 kV D/C conventional	2321.22	2011-12	2014-15	NA	NA	kM	84					
8	220 kV S/C XLPE Cable System from 400 kV Heerapura to 220 kV Nala Power House	8554.36	2011-12	2014-15	NA	NA	kM	10		5865.02	100	-	

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Normal development works</b>													
9	(i) 220/132kV GSS at Tehandesar (Upgradation) (Distt. Churu)	2246.70	2011-12	<b>2014-15</b>	313.7	830.79	MVA	100		1304.74	500	100	Loss Reduction & System Strengthening Scheme. Reduction in transmission losses (112.02 LU) and to cater load growth and form ring system to enhance the reliability of power supply in nearby area.
	(ii) 220 kV S/C Sujangarh-Tehandesar line.	996.79	2011-12	2014-15			kM	50		584.54			
10	(i) 220kV GSS at Bamantukda (Distt. Rajsamand)	3273.50	2011-12	<b>2014-15</b>	-1309.27	-1751.61	MVA			2922.97	1000	200	Loss Reduction(43.90 LUs) & System Strengthening Scheme. To reduce overloading and meeting future load growth in the area.
	(ii) LILO of existing 220 kV S/C Bhilwara (400 kV GSS)-Bali line at 220 kV GSS Bamantukda	242.06	2011-12	2014-15			kM	26					
	(iii) LILO of existing 220 kV S/C Kankroli (220 kV GSS)-Bali line at 220 kV GSS Bamantukda	173.53	2011-12	6.9.13			kM						
11	(i) 220/132kV GSS at Baithwasia (Distt. Jodhpur)	3294.64	2011-12	<b>2014-15</b>	1762.49	3428.84	MVA	100		3289.12	1800	200	To reduce transmission losses (269.80 LU) and reduce loading on lines
	(ii) 220kV D/C Bhawad-Baithwasia line	1372.81	2011-12	2014-15			kM	66					
	(iii) 2 No. 220kV bays at 220kV GSS Bhawad	181.16	2011-12	(charged on 132kV)									
	(iv) 2 No. 132kV bays at Osian	119.39	2011-12										
	(v) 1 No. 132kV bays at Matoda	59.70	2011-12										
<b>Power Evacuation System of Ramgarh GTPS (Stage-III)(160MW) :</b>													
12	(i) 220 kV D/C Ramgarh GTPP- Chandan line	8655.07	2010-11	2014-15	NA	NA	kM	194		8001.29	600	50	This scheme is formed to evacuate powr from Ramgarh GTPS Stage-III
	(ii) 220 kV D/C Chandan - Dechu line		2010-11	2014-15	NA	NA	kM	203					
<b>Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer &amp; Jodhpur Districts</b>													
13	(i) 220/132kV GSS at <b>Bap</b> (Distt. Jodhpur)	6583.53	2010-11	19.8.13	NA	NA	MVA			2981.84	200	-	This scheme is formed to evacuate power from new solar and wind power plants
	(ii) 220kV D/C Bap-Bhadla line	3438.51	2010-11	31.3.14	N.A.	N.A.	kM			2357.83			
14	(i) 220/132kV GSS at Kanasar (Distt. Jodhpur)	6450.30	2011-12	2015-16	N.A.	N.A.	MVA		160	123.5	1200	3500	
	(ii) 220kV D/C Bhadla - Kanasar line	955.14	2011-12	2015-16	N.A.	N.A.	kM		50	0			
<b>Power Evacuation of Banswara Super Critical TPS ( IPP Unit-1&amp;2) (2X660MW)</b>													
15	220kV Interconnecting Lines at Chhitorgarh :												
	(i) 220 kV D/C from 400kV Chhitorgarh to 220kV GSS Sawa	2043.68	2011-12	2014-15	N.A.	N.A.	kM	50		573.54	800	-	This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS
	(ii) LILO of 220kV S/C Chhitorgarh - Debari line at 400kV GSS Chhitorgarh		2011-12	24.7.13	N.A.	N.A.	kM			83.68			
	(iii) 2 No 220kV bays at 220kV GSS Sawa		2011-12	2014-15	N.A.	N.A.				0.00			
16	220kV Interconnecting Lines at 400kV GSS Jodhpur (New) :												
	(i) 220 kV LILO of existing 220 kV GSS Jodhpur (220kV GSS) - Pali line at 400kV Jodhpur (New)	2043.68	2012-13	2016-17	N.A.	N.A.	kM			0	600	600	
	(ii) 220 kV D/C Jodhpur (New) - Jhalamand (U/C 220 Kv GSS)		2012-13	2016-17	N.A.	N.A.	kM			0			
	(iii) 220 kV D/C Jodhpur (New) - Barli (U/C 220 Kv GSS)		2012-13	2016-17	N.A.	N.A.	kM			0			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
17	220kV Interconnecting Lines at Udaipur:												
	(i) LILO of Amberi(Prop 220 kV GSS)-Debari line at proposed 400 kV GSS Udaipur.	2043.68	2014-15	2018-19	N.A.	N.A.	kM			512.66	100	100	
	(ii) LILO of Chittorgarh-Debari line at proposed 400 kV GSS Udaipur.		2014-15	2018-19	N.A.	N.A.	kM						
18	220 kV D/C Banswara TPS- Banswara (220 kV GSS) Line	409.62	2014-15	2016-17	N.A.	N.A.	kM			0	-	100	
<b>Power Evacuation System of Suratgarh Super Critical TPS</b>													
19	220 kV Terminal Bays at various 400/220 kV Substations (6 No.)	1078.12	2011-12	2014-15	NA	NA				34.25	200	-	This scheme is primarily formed to evacuate power from Suratgarh TPS
20	220 kV Interconnections at 400/ 220 kV GSS Babai(Jhunjhunu)												
	(i) LILO of existing 220 kV S/C Khetri-Heerapura line at 400kV GSS Babai (Jhunjhunu)	40.85	2010-11	2015-16	N.A.	N.A.	kM		7	0	5	10	
21	220 kV Interconnections at 400/ 220 kV GSS at Jaipur (North)												
	(i) LILO of 220 kV S/C VKIA- Kukas at 400kV GSS jaipur (North)	2015.35	2014-15	2018-19	N.A.	N.A.	kM			0	-	100	
	(ii) 220 kV D/C line from 400kV GSS jaipur (North) to GSS Manoharpur		2014-15	2018-19	N.A.	N.A.	kM			0			
	(iii) 2 No. bays at 220kV GSS Manoharpur.		2014-15	2018-19	N.A.	N.A.				0			
<b>JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I (JDENSS-I)</b>													
22	(i) 220 kV GSS at Barli (Distt. Jodhpur)	5098.42	2011-12	<b>2015-16</b>	N.A.	N.A.	MVA		160	3814.29	600	300	System Strengthening & Load Catering scheme to reduce transmission losses (271.69 LU) and for meeting increasing load of Jodhpur City
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-II at Barli	102.15	2011-12	2015-16	N.A.	N.A.			2	9.82			
23	(i) 220 kV GSS at Bhawad (Distt. Jodhpur)	7422.28	2010-11	15.3.13	N.A.	N.A.	MVA			2993.12	200	-	
	(ii) 220kV D/C Jodhpur (400kV GSS)-Karwad/Bhawad-Bhopalgarh line(Jodhpur - Bhawad section of 78.318ckM has been comm. On dt.29.12.12)(Total 172ckM)		2010-11	25.9.14	N.A.	N.A.	kM	93					
	(iii) 2 No. bays at 220kV bay at 400kV Soorpara	191.47	2010-11		N.A.	N.A.							
	(iv) 2 No. bays at 220kV bay at 400kV Bhopalgarh	191.47	2010-11		N.A.	N.A.							
	(iii) 1 No. bays at 132kV bay at Mathania	61.79	2010-11		N.A.	N.A.							
24	(i) 220 kV GSS at Jhalamand (Up-gradation) (Distt. Jodhpur)	4351.64	2014-15	2017-18	N.A.	N.A.	MVA			31.18	100	500	
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-I at Jhalamand	35.52	2014-15	20017-18	N.A.	N.A.	kM						
25	(i) 220 GSS at Bhadwasia (Distt. Jodhpur)	5239.67	2014-15	2018-19	N.A.	N.A.	MVA			0	100	200	
	(ii) 220kV D/C Jodhpur (400kV GSS)-Bhadwasia line (on Narrow base towers with one ckt. on 220kV & other on 132kV)		2014-15	2018-19	N.A.	N.A.	kM			0			
	(iii) 2 No. bays at 400kV Soorpara	191.47	2014-15	2018-19	N.A.	N.A.				0			
<b>Normal development works</b>													
26	Stringing of IInd circuit of 220kV D/C Banswara-Debari line from Debari to Salumber (scheme with 220kV Aspur)	755.30	2010-11	2014-15	-1033.77	-1232.58	kM	65		621.5	50	-	System Strengthening & Load Catering scheme .Reduction in transmission losses 67.33 LU) and to reduce overloading and meet future load growth

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
27	220 kV interconnections at 400/220 kV GSS at Neemrana(PG)												
	(i) 220 kV D/C line from PGCIL's 400/220 kV Neemrana (PG) to Behror(proposed 220 kV GSS)	945.79	2011-12	2014-15	NA	NA	kM	56		236.77	700	-	Loss Reduction & System Strengthening Scheme to provide connectivity with the regional system.
	(ii) 2 No bays at Behror		2011-12	2014-15	NA	NA							
28	220 kV interconnections at 400/220 kV GSS at Kotputli (PG)												
	(i) LILO of one circuit of approved 220 kV D/C Kotputli-Manoharpur line at PGCIL's 400/220 kV Kotputli(PG)	246.35	2011-12	2014-15	NA	NA	kM	12		191.19	600	-	
	(ii) 220 kV D/C line from PGCIL's 400/220 kV Kotputli(PG) to Bansur	945.79	2011-12	2014-15	NA	NA	kM	82		1131.23			
	(iii) 2 No bays at Bansur		2011-12	2014-15	NA	NA							
29	<b>Interconnections for 400 kV GSS Deedwana (RVPN Scope)</b>												
	(i) LILO of proposed 220 kV S/C Kuchamancity - Dhod line at proposed 400 kV GSS Deedwana	1849.58	2011-12	2014-15	NA	NA	kM	80		8.95	900	-	The provide stability to evacuation system of STPS and avoid overloading of lines (System Strengthening)
	(ii) 2 No. 220 kV bay at 220kV GSS Sujangarh (For termination of 220kV D/C Sujangarh - Deedwana line at Sujangarh end)		2011-12		NA	NA							
30	<b>Interconnections for 400 kV GSS Alwar (RVPN Scope)</b>												
	(i) LILO of existing 220 kV S/C Dausa-Alwar line at proposed 400 kV GSS Alwar	673.31	2011-12	2014-15	NA	NA	kM	10		259.03	100	-	System Strengthening Scheme to provide stability to evacuation system of Chahbra TPS and to meet load growth in NCR region
	(ii) LILO of 220 kV S/C Mandawar - Alwar (MIA) line at proposed 400 kV Alwar GSS	673.31	2011-12	2014-15	NA	NA	kM	1		121.25			
	<b>Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts</b>												
31	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Aau (New loc.) (Jodhpur Distt.):	5087.87	2011-12	<b>2014-15</b>	N.A.	N.A.	MVA	160		2192.69	2300	200	This scheme is formed to evacuate power from new solar and wind power plants. Provision during 2011-12 is for preliminary works viz purchase of land, survey etc.
	(ii) 2 Nos. 220kV bays at 220kV GSS Baithwasia	224.14	2011-12	2014-15	N.A.	N.A.							
	(iii) 220 KV D/C Aau-Baithwasia (U/C 220 KV GSS) line	1862.33	2011-12	2014-15	N.A.	N.A.	kM	93					
32	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Badisid (near Bap) (Jodhpur Distt.)	4953.69	2011-12	<b>2014-15</b>	N.A.	N.A.	MVA	160		984.08	4000	200	
	(ii) 2 Nos. 220kV bays at 220kV GSS Bap	224.14	2011-12	2014-15	N.A.	N.A.							
	(iii) LILO of one circuit of 220 KV D/C Bap - Bhadla line at Badisid	698.37	2011-12	2014-15	N.A.	N.A.	kM	24					
	(iv) 220 KV D/C Badisid-Aau (Proposed 220 KV GSS) line	2327.91	2011-12	2014-15	N.A.	N.A.	kM	100					
33	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Chatrail (Distt. Jaisalmer)	4741.94	2011-12	2016-17	N.A.	N.A.	MVA			1388.7	400	3500	
	(ii) 2 Nos. 220kV bays at 220kV GSS Ramgarh (400kV GSS)	224.14	2011-12	2016-17	N.A.	N.A.							
	(iii) 220 KV D/C Chatrail-Ramgarh (U/C 400 KV GSS) line	2793.49	2011-12	2016-17	N.A.	N.A.	kM						



<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
34	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at PS_1(New location) / Bajju (New location) (Bikaner Distt.):	4921.26	2013-14	2017-18	N.A.	N.A.	MVA			0	200	1000	
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Bhadla	224.14	2013-14	2017-18	N.A.	N.A.				0			
	(iii) 220 KV D/C PS_1 / Bajju -Bhadla (U/C 400 KV GSS) line	2095.12	2013-14	2017-18	N.A.	N.A.	kM						
35	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Pokran (New loc.)(Jaisalmer Distt.):	5133.01	2013-14	2017-18	N.A.	N.A.	MVA			0	200	1000	
	(ii) LILO of both circuits of U/C 220 KV D/C Ramgarh GTPP – Dechu line at Pokaran	465.58	2013-14	2017-18	N.A.	N.A.	kM			0			
36	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Kolavat (New loc.)(Bikaner Distt.):	4921.26	2013-14	2017-18	N.A.	N.A.	MVA			0	200	1000	
	(ii) 2 Nos. 220kV bays at 220kV GSS Gajner	224.14	2013-14	2017-18	N.A.	N.A.				0			
	(iii) 220 KV D/C Gajner (U/C 220 KV GSS)-Kolayat line	2886.6	2013-14	2017-18	N.A.	N.A.	kM			0			
37	Optical Fibre Cable System for 220kV & 132kV Schemes already approved under Main Transmission System for New Solar & Wind Power Plants & Smart Grid Applications. (ADB)		2014-15		N.A.	N.A.				0			
	(i) 220kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 140kM)	902.54	2014-15	2017-18	N.A.	N.A.				0	200	900	
	(ii) Software Development for Integration/Innovation, Smart Grid Applications etc.	128.93	2014-15	2017-18	N.A.	N.A.				0			
38	LILo of both circuits of 220kV D/C Ramgarh GTPS- Dechu line at 400kV Ramgarh	641.81	2011-12	2014-15	NA	NA	kM	1			30	-	
	<b>Normal development works</b>									0			
39	(i) 220/132kV, 1x160 MVA GSS at Sayla (Distt. Jalore)	3522.28	2012-13	<b>2015-16</b>	-2054.81	-2593.65	MVA		160	2167.68	2800	1000	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (99.14 LUs).To meetout the future load , reduce loading on 132kV lines,to evacuate Rajasthan's share of power from PGCIL's Bhimal GSS
	(ii) 1 No. 220kV extension bay at 220kV GSS Jalore	92.14	2012-13	2014-15									
	(iii) 220 kV D/C Bhinmal(400 kV GSS-PG)-Sayla (proposed 220 kV GSS) line	1744.99	2012-13	2014-15			kM	100					
	(iv) 220 kV S/C Jalore -Sayla(proposed 220 kV GSS) line	1129.29	2012-13	2014-15			kM	55					
40	(i) 220/132kV, 1x160 MVA GSS at Vatika (Distt. Jaipur )	4641.44	2012-13	<b>2015-16</b>	-2641.01	-3611.98	MVA		160	1360.95	1500	800	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (44.27 LUs). To reduce loading on 220kV Sanganer GSS, to evacuate Rajasthan's share of power from PGCIL's 400kV GSS at Jaipur(South)
	(ii) 220 kV D/C Jaipur ( South-PG) - Vatika line.	1036.91	2012-13	2014-15			kM	56					
	(iii) LILo of 220kV S/C KTPS- Sanganer line at proposed 220kV Vatika.	276.51	2012-13	2014-15			kM	11					
41	(i) 220/132kV GSS at Danta Ramgarh (Distt. Sikar)	2199.65	2011-12	<b>2015-16</b>	-1343.66	-1834.76	MVA		100	244.28	1300	2000	Loss Reduction & System Strengthening Scheme. Reduction in transmission losses (32.92 LU) and to relieve loading nearby 132kV line and meet out future load growth in respective areas.
	(ii) 1 Nos bay at 220kV GSS Renwal	90.58	2011-12	2015-16						0.31			
	(iii) 1 Nos bay at 220kV GSS Dhod	90.58	2011-12	2015-16						0			
	(iv) 220 kV S/C Renwal-Danta Ramgarh line	564.06	2011-12	2015-16			kM		28	26.99			
	(v) 220 kV S/C Dhod -Danta Ramgarh line	705.07	2011-12	2015-16			kM		35	11.18			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit kM/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
42	(i) 220/132kV, 1x160 MVA GSS at Goner (Distt. Jaipur )	4890.26	2012-13	<b>2015-16</b>	-2625.4	-3559.35	MVA		160	146.3	1100	4500	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (53.35 LUs). To reduce loading on 220kV Indira Gandhi nagar GSS, to evacuate Rajasthan's share of power from PGCIL's 400kV GSS at Jaipur(South)
	(ii) LILO of one circuit of proposed 220kV D/C Jaipur (South) - Chaksu line at proposed 220kV GSS Goner.	1209.73	2012-13	2015-16			kM		70				
43	<b>Conectivity with PGCIL's under construction 400/220kV GSS Jaipur ( South-PG)</b>												
	(i) 220/132kV, 1x160 MVA GSS at <b>Chaksu</b> (Distt. Jaipur ) (Upgradation)	2317.25	2012-13	24.10.13	2230.65	4017.15	MVA			3034.75	600	-	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (251.25 LUs). To reduce loading on 220kV Sanganer GSS, to evacuate Rajasthan's share of power from PGCIL's 400kV GSS at Jaipur(South)
	(ii) LILO of 220 kV S/C Duni - SEZ (220kV GSS ) line at PGCIL's 400/220kV GSS Jaipur (South)	1011.83	2012-13	16.10.14			kM	56					
44	(i) 220/132kV, 1x100 MVA GSS at <b>Laxmangarh</b> (Up-gradation) (Distt. Sikar)	2143.84	2012-13	4.3.14	-1142.37	-1458	MVA			415.66	200	-	System strengthening Scheme to help in reducing transmission losses (50.30 LUs). To reduce loading on 220kV GSS Sikar & Ratangarh..
	(ii) LILO of 220 kV S/C Ratangarh-Reengus line at proposed 220 kV GSS Laxmangarh	140.50	2012-13	4.3.14			kM			114.89			
45	(i) LILO of one ckt. Of under construction 220kV D/C Ramgarh GTPS - Dechu line at 220kV GSS Amarsagar.	926.48	2010-11	2014-15	399	748.11	kM	40		129.69	300	-	System strengthening Scheme to help in reducing transmission losses (53.74 LUs). To reduce overloading at 220kV line S/S Amarsagar - Phalodi line.
	(ii) 2 No. bays at 220kV GSS Amarsagar.		2010-11	2014-15									
	<b>Composite Power Evacuation System [Chhabra Super Critical TPS(2x660MW) and Kalisindh TPS (2x600 MW)]</b>												
46	(i) LILO 220kV Ajmer-Beawar Line at 400kV Ajmer GSS	408.5	2010-11	2015-16	N.A.	N.A.	kM		38	288.53	100	50	This scheme is primarily formed to evacuate power from Chhabra Super Critical TPS and Kalisindh TPS
47	(ii) LILO 220kV Ajmer-Kishangarh Line at 400kV Ajmer GSS	408.5	2010-11	2015-16	N.A.	N.A.	kM		7				
	<b>Normal development works</b>												
48	(i) 220 kV S/C Sirohi- Pindwara line	736.38	2011-12	2015-16	1.72	72.03	kM		25	4.46	200	500	Loss Reduction & System Strengthening Scheme forming 220kV ring system in and around Pindwara, thereby reducing transmission losses (22.71 LU)
	(ii) 1 no.bays at 220kV GSS Sirohi		2011-12										
	(iii) 1 no.bays at 220kV GSS Pindwara		2011-12										
49	(i) 220 GSS at Kuchera (New location) (Distt. Nagaur)	3145.95	2011-12	2015-16	-1123.85	-1480.25	MVA		100	2.49	500	2000	System Strengthening & Load Catering scheme .Reduction in transmission lossess (32.92 LU) and to reduce over loading of nearby 220kV GSS.
	(ii) LILO of 220 kV Nagaur - Merta line at proposed 220 kV GSS Kuchera	400.56	2011-12	2015-16	-1123.85	-1480.25	kM		24				

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
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					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
50	(i) 220/132kV GSS at Mandalgarh(New) (Distt. Bhilwara)	3105.93	2011-12	2015-16	-1092.94	-1420.78	MVA		100	1165.6	300	2000	Loss Reduction & System Strengthening Scheme .Reduction in transmission losses (37.46 LU) and to increase redundancy of nearby GSS to meet additional load growth .
	(ii) LILO of 220kV Kota (PG) -Bhilwara line at proposed 220 kV GSS Mandalgarh	601.93	2011-12	2015-16			kM		36				
51	(i) 220/132kV GSS at Chonkarwada (Distt. Bharatpur)	3277.35	2011-12	2015-16	-1902.6	-2503.72	MVA		100	2542.53	1000	2800	Loss Reduction & System Strengthening Scheme .Reduction in transmission losses (56.39 LU) and to reduce over loading of nearby lines.
	(ii) 220 kV D/C Hindaun (400kV GSS)-Chonkarwada line	1886.79	2011-12	2015-16			kM		110				
	(iii) LILO of 220kV S/C Mandawar-Nadbai-Bharatpur line at 220kV Chonkarwada	105.00	2011-12	2015-16			kM		6				
	(iv) 2 No. 220kV bays at 400kV GSS Hindaun	181.16	2011-12	2015-16									
	(v) 2 No. 132kV bays at GSS Bhusawar	119.40	2011-12	2015-16									
	(vi) 2 No. 132kV bays at GSS Mahuwa	119.40	2011-12	2015-16									
52	(i) 220/132kV GSS at Behror (Distt. Alwar)	4251.75	2011-12	2015-16	-1724.81	-2393.72	MVA		100	2816.76	500	2500	Loss Reduction & System Strengthening Scheme .Reduction in transmission losses (15.14 LU) and to meet the future load growth in NCR region.
	(ii) LILO of one circuit of 220 kV D/C Neemrana-Kotputli line at proposed 220kV GSS Behror	344.85	2011-12	2015-16			kM		29				
53	(i) 220/132kV GSS at Bansur (Distt. Alwar)	3041.24	2011-12	2015-16	-960.56	-1214.79	MVA		100	341.19	600	2500	Loss Reduction & System Strengthening Scheme .Reduction in transmission losses (42.76 LU) and to reduce loading on transformers of nearby 220kV GSS and meetout anticipated load growth in NCR.
	(ii) LILO of 220 kV S/C Alwar-Kotputli line at proposed 220 kV GSS at Bansur	70.73	2011-12	2015-16			kM		4				
54	(i) 220/132kV GSS at Amberi (Distt. Udaipur)	4180.77	2011-12	2015-16	-734.04	-832.3	MVA		100	13.03	300	2500	Load Reduction, System Strengthening scheme. To reduce transmission losses (60.55 LU) and loading on 220kV Debari and Madri GSS. Thereby meeting future load of Udaipur City
	(ii) LILO of 220 kV S/C Kankroli(PG)-Debari line at proposed 220 kV GSS Amberi		2011-12	2015-16			kM		30				
	<b>Power Evacuation System for Proposed Wind Project in Banswara and Pratapgarh area.</b>												
55	(i) 220/132kV, 1x100MVA GSS at Pratapgarh (Up-gradation)	2635.20	2011-12	2015-16	NA	NA	MVA		100	109.24	2000	4200	Loss Reduction & System Strengthening Scheme is primarily fromed to evacuate power from Proposed Wind Project in Banswara and Pratapgarh area.
	(ii) 2 Nos bays at 220kV GSS Chittorgarh		2011-12	2015-16	NA	NA							
	(iii) 2 Nos bays at 220kV GSS Nimbahera		2011-12	2015-16	NA	NA							
	(iv) 220 kV D/C Banswara (switching station)-Pratapgarh line	2398.56	2011-12	2015-16	NA	NA	kM		140				
	(v) 220 kV D/C Pratapgarh-Chittorgarh (400 kV GSS) line with one circuit via 220 kV GSS Nimbahera	4111.82	2011-12	2015-16	NA	NA	kM		240				
56	(i) 220kV Switching Station at Banswara	2575.74	2011-12	2016-17	N.A.	N.A.				0	50	1000	
	(ii) 2 Nos bays at 220kV GSS Banswara	181.16	2011-12	2016-17	N.A.	N.A.				0			
	(iii) 220 kV D/C line between 220 kV Switching Station at Banswara & 220 kV GSS Banswara	343.53	2011-12	2016-17	N.A.	N.A.	kM			0			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>														
													(Rs. In Lacs)	
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)	
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	(iv) Termination of approved 220 kV D/C Banswara SCTPS-Banswara (220 kV GSS) line at 220 kV Switching Station Banswara.	-	2011-12	2016-17	N.A.	N.A.				0				
	<b>Normal Development Works</b>													
57	(i) 220/132kV, 2x160 MVA GSS at NPH Jodhpur (Up-gradation)	3213.46	2012-13	2015-16	NA	NA			160	321.321	700	6000	To strengthen Jodhpur city EHV network and reduce loading on 132kV lines	
	(ii) 220 kV D/C 1000 SQ. MM XLPE Cable between Jodhpur(220 kV GSS) & proposed 220 kV GSS NPH	7110.06	2012-13	2015-16	NA	NA			12					
	(iii) 2 Nos. 220kV bays at 220kV GSS Jodhpur	227.22	2012-13	2015-16	NA	NA								
58	(i) 220/132kV, 1x100 MVA GSS at Jethana (Distt. Ajmer)	4264.77	2012-13	2015-16	-1912.27	-2398.3	MVA		100	1060.48	1700	3000	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (96.87LUs). To reduce loading on 220kV Ajmer & Beawar GSSs to meetout future load growth and to reduce loading on under line 132kV network	
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Ajmer (2x82.24)	184.28	2012-13	2015-16										
	(iii) 1 No. 132kV extension bay at 132kV GSS Saradhana	60.72	2012-13	2015-16					kM					40
	(iv) LILO of 220 kV S/C Ras-Merta line at proposed 220 kV GSS Jethana	699.34	2012-13	2015-16					kM					70
	(v) 220kV D/C Ajmer (400 kV GSS)-Jethana (proposed 220 kV GSS) line	719.45	2012-13	2015-16										
59	(i) 220/132kV, 1X100 MVA &132/33kV,1X20/25 MVA GSS at Niwana (Distt. Jaipur)	3265.96	2013-14	2015-16	89.49		MVA		100	0	300	2500	System strengthening Scheme to help in reducing transmission losses (99.52 LUs). To improve the VR & to reduce overloading at 132kV lines & 220kV Chomu GSS.	
	(ii) LILO 220kV S/C heerapura- Babai line at proposed 220kV gss Niwana	25.90	2013-14	2015-16			kM		1	0				
60	(i) 220/132kV, 1x160MVA GSS at Bherunda (Distt. Nagaur)	2477.41	2013-14	2015-16	16.40	574.48	MVA		160	0	500	3500	System strengthening Scheme to help in reducing transmission losses (118.06 LUs). To reduce overloading at 220kV Ajmer GSS & 132kV Ajmer- MDS line.	
	(ii) 220 kV D/C , Ajmer (400kV) - Bherunda line	1894.78	2013-14	2015-16			kM		80	0				
<b>IV</b>	<b>132kV SCHEMES</b>													
	<b>Normal Development Schemes</b>													
1	132kV S/C Madri-Dakan Kotda (Transport Nagar) line with 132kV GSS at <b>Dakan Kotda</b> (Transport Nagar), Udaipur	1200.79	2008-09	31.10.13	-278.26	373.66	kM/MV A			858.29	50	-	Load Catering Scheme. Ex VR- 05.40 %, DL-06.53 % Saving-16.27 LU .	
2	(i) 132/33kV, 20/25MVA GSS at <b>Narainpur PS Thanagazi</b> (Alwar)	1283.11	2012-13	21.2.14	-204.78	-184.75	MVA			824.25	50		Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR- 11.40%, DL-8.39%, Saving 31.90 LU.	
	(ii) LILO 132kV Bansur-Thanagazi	64.10	2012-13	21.2.14					kM					
3	(i) 132 kV GSS at <b>Bilwadi</b> (Virat Nagar) (Distt.Jaipur)	1271.70	2011-12	14.3.14	-705.21	-976.23	MVA		0	1118.42	50	-	Voltage Regulation & load Catering Scheme . Ex VR-10.700%, DL-6.16%, Saving 8.31 LU.	
	(ii) LILO of 132kV Paota-Shahpura line	255.63	2011-12	14.3.14					kM					
4	(i) 132kV GSS at <b>Sawalpura Tanwaran</b> (Sikar)	1250.18	2011-12	15.3.14	-363.43	-448.42	MVA			1087.54	50		load Catering Scheme .Ex VR-11.90%, DL-8.33%, Saving 19.43 LU.	
	(ii) 132kV S/C Ajeetgarh -Sawalpura Tanwaran line	245.83	2011-12	15.3.14					kM					
	(iii) 1 No. Bay at 132kV GSS at Ajeetgarh		2011-12	15.3.14										

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
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					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
5	(i) 132 kV GSS at <b>Mehara</b> (Distt.Jhunjhunu)	1271.70	2011-12	28.3.14	135	369.46	MVA			740.19	50	-	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-
	(ii) LILO of 132kV Khetri Nagar-Babai line	107.16	2011-12	28.3.14			kM			41.47		-	
6	132/33kV, 20/25MVA GSS at Masuda (Ajmer)	1283.11	2012-13	28.3.14	439.28	879.86	MVA			927.69	50	-	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-37.20%, DL-33.79%, Saving 75.99 LU.
7	JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]												
	(i) 132 kV GIS Substation at <b>MNIT (Jaipur)</b>	3751.11	2010-11	<b>2.4.14</b>	NA	NA	MVA	50		2435.6	300	-	Justification given in 220kV scheme of Jaipur City EHV Network Strengthening Scheme-III
	(ii) 132 kV S/C Cable system between 220 kV IGN and 132 kV MNIT	4442.67	2010-11	2.4.14	NA	NA	kM	8		1123.69		-	
8	(i)132 kV Hybrid GIS Substation at <b>Pratap Nagar</b>	3394.61	2010-11	<b>12.6.14</b>	NA	NA	MVA	100		5962.23	200	-	Justification given in 220kV scheme of Jodhpur City EHV Network Strengthening Scheme-I
	(ii)132 kV D/C Cable system between 132 kV CHB and 132 kV Pratap Nagar (Proposed)	3965.82	2010-11	12.6.14	NA	NA	kM	10				-	
9	(i) 132kV GSS at Sultanpur(Kota)	1250.18	2011-12	<b>2014-15</b>	736.17	1343.15	MVA	25		677.49	600	100	load Catering & Loss Reduction Scheme .Ex VR-45.20%, DL-43.79%, Saving 86.85LU.
	(ii) 132kV S/C Dahara-Sultanpur line	343.73	2011-12	2014-15			kM	28					
	(iii) 1 No. Bay at 132kV GSS at Dahra		2011-12	2014-15									
10	(i) 132kV GSS at Khetusar (Jodhpur)	1250.18	2011-12	<b>2014-15</b>	436.77	877.41	MVA	25		100.23	1100	100	load Catering & Loss Reduction Scheme . Ex VR-20.30%, DL-16.72%, Saving 74.90 LU.
	(ii) 132kV S/C Bhadla-Khetusar line	559.8	2011-12	2014-15			kM	30					
	(iii) 1 No. Bay at 132kV GSS at Bap		2011-12	2014-15									
11	(i) 132kV GSS at Anandpur Kaloo (Pali)	1250.18	2011-12	<b>2014-15</b>	1175.78	2043.07	MVA	25		651.63	400	100	load Catering & Loss Reduction Scheme . Ex VR-17.90%, DL-16.89%, Saving 109.05 LU.
	(ii) 132kV S/C Jaitaran-Anandpur Kaloo line	209.12	2011-12	2014-15			kM	17					
	(iii) 1 No. Bay at 132kV GSS at Jaitaran		2011-12	2014-15									
12	(i) 132kV GSS at Subhash Nagar, Ajmer	1250.18	2011-12	<b>2014-15</b>	-420.92	-563.64	MVA	25		5.37	700	100	load Catering(38.15 MVA)
	(ii) LILO 132kV Ajmer-Saradhna line at Subhash Nagar, Ajmer	11.53	2011-12	2014-15			kM	1					
13	(i) 132 kV GIS Substation at Engineering College	3947.07	2010-11	<b>2014-15</b>	NA	NA	kM/MV	100		5923.95	3500	200	Justification given in 220kV scheme of Jodhpur City EHV Network Strengthening Scheme-I
	(ii) 132 kV S/C Cable system between 132 kV OPH and 132 kV Engineering College	1925.10	2010-11	2014-15	NA	NA	kM	4					
	(iii) 132 kV D/C Cable system between 132 kV NPH and 132 kV Engineering College	3938.30	2010-11	2014-15	NA	NA	kM	9					
14	(i) 132 kV GSS Nangal Pyariwas (Distt. Dausa)	1283.44	2013-14	<b>2014-15</b>	-469.08	-610.79	MVA	25		470.44	700	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-9.40%, DL-7.17%, Saving 13.01 LU.
	(ii) LILO of 132kV Dausa - Lalsot line for 132 kV GSS Nangal Pyariwas	85.52	2013-14	2014-15			kM	3		79.29			
15	(i) 132 kV GSS at at Jatawali (Distt.Jaipur)	1210.97	2011-12	<b>2014-15</b>	-460.31	-590.76	MVA	25		424.65	800	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-10.10%, DL-6.89%, Saving 19.30 LU
	(ii) 1 No. 132kV bay at 220kV GSS Chomu	60.72	2011-12	2014-15						17.61			
	(iii) 132kV S/C Chomu-Jatawali line from 220kV GSS Chomu	150.49	2011-12	2014-15			kM	12		95.37			
16	(i) 132 kV GSS Deh (Distt. Nagaur)	1283.44	2013-14	<b>2014-15</b>	100.34	312.2	MVA	25		0	800	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-28.0%, DL-22.72%, Saving 38.60 LU.
	(ii) LILO of 132kV Nagaur- Ladnu line	85.52	2013-14	2014-15			kM	6		0			

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					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
17	(i) 132 kV GSS Kherwara (Udaipur)	1283.44	2013-14	<b>2014-15</b>	1052.57	1892.57	MVA	MVA		0	1000	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-38.50%, DL-29.62%, Saving 89.80 LU.	
	(ii) LILO 132kV Rishabdev-Dungarpur line	423.11	2013-14	2014-15			kM	kM		0				
18	(i) 132 kV GSS Posaliya (Arathwara)(Jodhpur)	1283.44	2013-14	<b>2014-15</b>	1120.54	1968.93	MVA	25		43.16	600	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-10.40%, DL-7.33%, Saving 85.15 LU.	
	(ii) LILO 132kV Sirohi-Sumerpur line	113.65	2013-14	2014-15			kM	8						
19	(i) 132/33kV, 20/25MVA GSS at Batoda (Sawaimadhopur)	1223.28	2012-13	<b>2014-15</b>	121.56	375	MVA	25		18.38	900	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-34.50%, DL-20.13%, Saving 60.31 LU.	
	(ii) 132kV S/C line from 220kV Gangapurcity (U/C) GSS to Batoda	345.88	2012-13	2014-15			kM	28						
	(iii) 1 No. 132kV bay at 220kV GSS Gangapurcity (U/C)	59.83	2012-13	2014-15										
20	(i) 132/33kV, 20/25MVA GSS at Kolukheri P.S.Chhabra (Distt. Baran)	1567.42	2012-13	<b>2014-15</b>	-142.54	-59.82	MVA	25		0	1000	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-25.0%, DL-19.30%, Saving 42.75 LU.	
	(ii) 132kV S/C Chhipabarod - Kolukheri line		2012-13	2014-15			kM	23						0
	(iii) 1 No. 132kV bay at 132kV GSS Chhipabarod		2012-13	2014-15										
21	(i) 132 kV GSS Gudha Chander Ji, PS Nadauti (Karauli)	1224.06	2013-14	<b>2014-15</b>	1342.66	2363.19	MVA	25		392.95	700	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-36.60%, DL-33.50%, Saving 102.93LU.	
	(ii) 132kV Nangal Sherpur (U/C) - Gudha Chander Ji, PS Nadauti (Karauli)	426.86	2013-14	2014-15			kM	25						
	(iii) 1 No. 132kV bay at 220kV GSS Nangal Sherpur	59.38	2013-14	2014-15										
22	(i) 132 kV GSS Bagadi (Dausa)	1368.96	2013-14	<b>2014-15</b>	-640.65	-851.6	MVA	25		338.48	700	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-10.10%, DL-7.16%, Saving 13.80 LU.	
	(ii) LILO of 132kV S/C Lalsot - Bhadoti line at 132 kV GSS Bagadi (Dausa)		2013-14	2014-15			kM	6						
23	(i) 132/33kV, 20/25MVA GSS at Ajasar (Jaisalmer)	1283.11	2012-13	<b>2014-15</b>	1949.01	3301.77	MVA	25		128.06	900	100	Voltage Regulation, Loss Reduction Scheme . Ex VR-42.90%, DL-37.72%, Saving 2.27 LU.	
	(ii) LILO 132kV Pokran-Askandra line	22.12	2012-13	2014-15			kM	2						
24	(i) 132kV Mahpalwas - Dulaniya line	460.04	2013-14	2014-15				25		41.05	50			
	(ii) 1 no. 132kV bay at 132kV GSS Mahpalwas		2013-14	2014-15										
	(iii) 1 no. 132kV bay at 132kV GSS Dulaniya		2013-14	2014-15										
25	(i) 132 kV GSS Panchu (Distt. Bikaner)	1224.06	2013-14	<b>2014-15</b>	-270.59	-223.85	MVA	25		281.59	1000	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-17.10%, DL-8.54%, Saving 36.79 LU.	
	(ii) 132kV S/C Deshnok - Panchu	682.31	2013-14	2014-15			kM	40						
	(iii) 1 No. 132kV bay at 220kV GSS Deshnok	59.38	2013-14	2014-15										
26	(i) 132/33kV, 20/25MVA GSS at Parbatsar (Nagaur)	1223.28	2012-13	<b>2014-15</b>	-492.3	-530.78	MVA	25		228.06	1100	100	Voltage Regulation, Loss Reduction Scheme . Ex VR-18.50%, DL-16.31%, Saving 20.95 LU.	
	(ii) 132kV S/C Roopangarh-Parbatsar line	247.37	2012-13	2014-15			kM	20						
	(iii) 1 No. 132kV bay at 132kV GSS Roopangarh	59.83	2012-13	2014-15										
27	LILO of 132kV Heerapura-VKIA-Rampura Dabri line with 132 kV GSS at RIICO, Sarna Doongar (Jaipur)	1401.57	2009-10	<b>2014-15</b>	179.64	406.51	kM/MV A	2/25		733.73	50	-	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-15.70%, DL-11.38%, Saving 48.70 LU.	
28	(i) 132kV GSS at Hatundi(Jodhpur)	1250.18	2011-12	2015-16	826.93	1486.81	MVA		25	138.95	1100	100	load Catering & Loss Reduction Scheme . Ex VR-17.10%, DL-12.63%, Saving 91.19 LU.	
	(ii) 132kV S/C Soyla-Hatundi line	406.25	2011-12	2015-16			kM							25
	(iii) 1 No. Bay at 132kV GSS at Soyla	36.02	2011-12	2015-16										
29	(i) 132kV GSS at Bijaiapur (Chittorgarh)	1190.48	2011-12	2015-16	-650.2	-890.2	MVA		25	144.05	800	100	Loss Reduction & System Strengthening Scheme. Ex VR-13.10%, DL-10.18%, Saving 15.15 LU.	
	(ii) 1 No. 132kV bay at 220kV GSS Nimbahera	59.70	2011-12	2015-16										
	(iii) 132 kV S/C Nimbahera - Bijaiapur line	490.57	2011-12	2015-16			kM							50

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>														
													(Rs. In Lacs)	
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target		Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)		
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
30	(i) 132/33kV, 20/25MVA GSS at Kanera (Chittorgarh)	1223.28	2012-13	2015-16	-389.96	-454.14	MVA		25	174.97	1100	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-19.60%, DL-24.90%. Saving 30.19 LU.	
	(ii) 132kV Nimbahera - Kanera line	345.88	2012-13	2015-16			kM		50					
	(iii) 1 No. 132kV bay at 132kV GSS Bijaipur	59.83	2012-13	2015-16										
31	LILo of 132kV VKI - Vaishali Nagar line to New Jhotwara with 132kV GIS S/S at New Jhotwara (Jaipur) (Turnkey)	3973.80	2007-08	2015-16	83.1	191.67	kM/MV A		5/100	3618.94	50	-	Load Catering & Loss Reduction Scheme. Ex VR-8.710%, DL-7.05%, saving-31.05 LU.	
32	Extension of Existing 132 kV S/C VKIA - Pratap Steel line upto 220 kV GSS VKIA	43.84	2008-09	2015-16	NA	NA	kM		4	20.34	15	-	Load Catering & Loss Reduction Scheme. Inter connection for 220kV GSS VKIA.	
33	132kV S/C Buhana-Mahpalwas with 132 kV GSS at Mahpalwas (Jhunjhunu) (Line- Turnkey)	1423.7	2008-09	2015-16	-186.48	-209.78	kM/MV A		16/25	290.62	400	100	Load Catering & Loss Reduction Scheme. Ex VR- 18.90 %, DL-21.26 Saving-29.89 LU.	
<b>Work associated with 220KV GSSs</b>														
<b>JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JDENSS-I]</b>														
34	Lines associated with 220 kV GSS Barli.													
	(i) LILo of existing 132 kV S/C Jodhpur-PS8 line at Barli	42.20	2010-11	2014-15	NA	NA	kM	4		666.09	Incl. in 220kV scheme Barli	-	Justification given in 220kV scheme of Jodhpur City EHV Network Strengthening Scheme-I	
	(ii) LILo of existing 132 kV CHB-Soorsagar line at Barli	144.97	2010-11	2014-15	NA	NA	kM	14						-
	(iii) LILo of existing 132 kV S/C Tinwari-Soorsagar line at 400kV GSS Jodhpur.	514.91	2010-11	2014-15	NA	NA	kM	50						-
35	132 kV S/C Karwad/Bhavad-Mathania line (Associated line of 220kV GSS Bhavad)	184.00	2010-11	2014-15	NA	NA		15		80.58	100	-		
36	Strengthening scheme of existing 132kV Chopasani Housing Board (CHB) GSS													
	(i) 132 kV D/C Cable system for LILo of existing 132 kV S/C PS8-Jodhpur Line at CHB	3585.80	2010-11	2014-15	NA	NA	kM	10		192.69	1100	100		
	(ii) 132 kV Terminal Hybrid GIS Bays (4 Incomer/ Outgoing & 1 Bus Coupler)	1338.28	2010-11	2014-15	NA	NA								
	(iii) 132 kV S/C Line along Bypass Road, to interconnect 132kV lines emanating from 220kV Jodhpur GSS towards Pali and PS-8	36.78	2010-11	2014-15	NA	NA	kM	3						
	(iv) Upgradation of existing 132 kV S/C Jodhpur-CHB-Soorsagar Line to 220 kV D/C Narrowbase Towers (to be charged on 132 kV)	969.47	2010-11	2014-15	NA	NA	kM	24						
<b>Normal Development Works</b>														
37	132 kV S/C Gangapurcity (220 kV GSS)- Shrimahavir ji line	427.85	2010-11	2014-15	Incl. in 220kV Scheme	Incl. in 220kV Scheme	kM	33		incl. in 220kV scheme	incl. in 220kV scheme	-	Justification given in 220kV scheme of Gangapurcity	
38	LILo of existing 132 kV Salumber - Sagwara line at 220 kV GSS Aspur	206.62	2010-11	2014-15	Incl. in 220kV Scheme	Incl. in 220kV Scheme	kM	24		100.25	100	-	Justification given in 220kV scheme of Aspur	
39	132 kV S/C Tehandesar-Parewara line	183.99	2011-12	2014-15	incl. in 220kV Tehandesar	incl. in 220kV Tehandesar	kM	15		incl. in 220kV scheme	incl. in 220kV scheme	-	Justification given in 220kV scheme of Tehandesar	

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
40	(i) 132kV D/C Baithwasia-Osian line	313.85	2011-12	2014-15	incl.in 220kV	incl.in 220kV	kM	30		196.82	incl. in 220kV scheme	-	Justification given in 220kV scheme of Baithwasia
	(ii) 132kV S/C Baithwasia-Matora line	368.20	2011-12	15.11.13	Baithwasia	Baithwasia	kM	30		350.42		-	
41	(i) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Toonga	367.10	2011-12	2014-15	incl. in 220kV scheme	incl. in 220kV scheme	kM	30		160.99	incl.in 220kV Lalsot	-	Justification given in 220kV scheme of Lalsot
	(ii) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Bhadoti	611.84	2011-12	2014-15			kM	50		138.88		-	
42	(i) LILO of existing 132 kV S/C Mokhampura –Amet line at proposed 220 kV GSS Bamantukda	105.35	2011-12	2014-15	incl. in 220kV scheme	incl. in 220kV scheme	kM	10		Incl in 220kV	Incl in 220kV	-	Justification given in 220kV scheme of Bamantukda
	(ii) LILO of under construction 132 kV S/C Kankroli(220 kV GSS)–Sapol line at 220 kV GSS Bamantukda	147.05	2011-12	7.4.14			kM	14		Bamantukda	Bamantukda	-	
43	Interconnections for 400 kV GSS Deedwana (RVPN Scope)												
	(i) 132 kV D/C interconnecting line between proposed 400 kV Deedwana GSS and existing 132 kV Deedwana GSS	734.64	2012-13	2014-15	NA	NA	kM	20		77.35	400	-	System Strengthening Scheme to provide stability to evacuation system of STPS and avoid overloading of lines
	(ii) 2 Nos. bay at 132kV GSS Deedwana		2012-13	2014-15								-	
44	LILO of existing 132 KV S/C Aau(132 KV GSS)-Phalodi line at proposed 220 KV GSS Aau	154.27	2011-12	2014-15	NA	NA	kM	10		Incl in 220kV scheme	Incl in 220kV scheme	-	This scheme is formed to evacuate power from new solar and wind power plants
45	(i) LILO of existing 132 kV S/C Sayla-Daspan line at proposed 220 kV GSS Sayla	255.63	2011-12	2014-15	Incl. in 220kV GSS	Incl. in 220kV GSS	kM	24		Incl. in 220kV GSS Sayla	Incl. in 220kV GSS Sayla	-	Justification given in 220kV scheme of Sayla
	(ii) LILO of existing 132 kV S/C Sayla-Jeewana line at proposed 220 kV GSS Sayla	107.16	2011-12	2014-15	Sayla	Sayla	kM	10				-	
46	(i) LILO of 132 kV S/C Beawar-Mertacity line at proposed 220 kV GSS Jethana	255.63	2012-13	2014-15	Incl. in 220kV GSS	Incl. in 220kV GSS	kM	30		Incl. in 220kV GSS	Incl. in 220kV GSS	-	Justification given in 220kV scheme of Jethana.
	(ii) LILO of 132 kV S/C Beawar-Nasirabad line at proposed 220 kV GSS Jethana	107.16	2012-13	2014-15	Jethana	Jethana	kM	20		Jethana	Jethana	-	
	(iii) 132 kV S/C line from proposed 220 kV GSS Jethana to 132 kV GSS Saradhana	2026.59	2012-13	2014-15			kM	30				-	
47	LILO of 132kV S/C Bassi- Puranaghat line at proposed 220kV GSS Goner.	272.95	2012-13	2015-16	Incl. in 220kV Goner	Incl. in 220kV Goner	kM		26	Incl. in 220kV Goner	Incl. in 220kV Goner	-	Justification given in 220kV scheme of Goner
48	LILO of 132kV S/C Balawala- Phagi line at proposed 220kV Vatika.	167.97	2012-13	2015-16	Incl. in 220kV GSS	Incl. in 220kV GSS	kM		16	Incl. in 220kV GSS	Incl. in 220kV GSS	-	Justification given in 220kV scheme of Vatika
					Vatika	Vatika				Vatika	Vatika		
49	(i) LILO of existing 132 kV Merta-Kuchera line at proposed 220 kV GSS Kuchera	62.76	2011-12	2015-16	Incl. in 220kV Scheme	Incl. in 220kV Scheme			6	incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme	Justification given in 220kV scheme of Kuchera
	(ii) LILO of existing 132 kV Kuchera - Sanjoo line at proposed 220 kV GSS Kuchera	21.64	2011-12	2015-16					2				





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					5th year	10th year	Unit kM/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
59	(i) 132kV GSS at Kushalgarh (Banswara)	1190.48	2011-12	2015-16	367.09	764.47	MVA		25	414.94	400	900	Loss Reduction & System Strengthening Scheme . Ex VR-45.90%, DL-40.20%, Saving 76.93 LU.	
	(ii) 1 No. 132kV bay at 132kV GSS Bagidora	59.70	2011-12	2015-16										
	(iii) 132 kV S/C Bagidora-Kushalgarh	551.75	2011-12	2015-16			kM		45					
60	132 kV S/C Karauli -Mandrayal line with 132 kV GSS Mandrayal (Karauli)	2006.46	2010-11	2015-16	92.82	315.53	kM/MV A		45/25	197.25	700	800	Voltage Regulation & Loss Reduction Scheme . Ex VR-44.40%, DL-29.24%, Saving 60.04 LU.	
61	(i) 132kV GSS at Mangrol (Baran)	1250.18	2011-12	2015-16	-392.8	-484.53	MVA		25	488.07	400	400	load Catering Scheme . Ex VR-15.50%, DL-11.83%, Saving 21.04 LU.	
	(ii) 132kV S/C Baran-Mangrol line	368.2	2011-12	2015-16			kM		30					
	(iii) 1 No. Bay at 132kV GSS at Baran		2011-12	2015-16										
62	(i) 132/33kV, 20/25MVA GSS at Ghatol (Banswara)	1223.28	2012-13	2015-16	-258.53	-224.96	MVA		25	563.05	400	800	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-25.80%, DL-21.70%, Saving 42.75 LU.	
	(ii) 132kV S/C Paloda -Ghatol line	493.63	2012-13				kM		40					
	(iii) 1 No. 132kV bay at 132kV GSS Paloda	59.83	2012-13											
63	(i) 132 kV GSS Arain, Tehsil-Kishangarh (Ajmer)	1283.44	2013-14	2015-16	862.16	1568.56	MVA		25	50.14	400	700	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-	
	(ii) LILO of 132kV Silora-Malpura line	282.45	2013-14	2015-16			kM		20					
64	(i) 132 kV GSS Seemalwara (Dungarpur)	1224.06	2013-14	2015-16	-155.81	-37.81	MVA		25	0	400	900	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-27.80%, DL-22.34%, Saving 41.95 LU.	
	(ii) 132kV GSS Sagwara -Seemalwara (Dungarpur)	682.31	2013-14	2015-16			kM		40					
	(iii) 1 No. 132kV bay at 132kV GSS Sagwara	59.38	2013-14	2015-16										
<b>Normal Development Works</b>														
65	(i) 132/33kV, 20/25MVA GSS at Sherera (Bikaner)	1283.11	2012-13	2015-16	2304.95	3910.84	MVA		25	0	400	600	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-	
	(ii) LILO 132kV Bikaner-Dulchar line	316.05	2012-13	2015-16			kM		30					
66	(i) 132 kV GSS Pahari PS Kaman (Distt. Bharatpur)	1224.06	2013-14	2015-16	-475.05	-588.75	MVA		25	110.56	200	1200	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-16.60%, DL-13.50%, Saving 19.97 LU.	
	(ii) 132kV S/C Kaman - Pahari PS Kaman	375.78	2013-14	2015-16			kM		22					
	(iii) 1 No. 132kV bay at 220kV GSS Lalsot	59.38	2013-14	2015-16										
67	(i) 132 kV GSS bhasina (Distt. Churu)	1224.06	2013-14	2015-16	996.02	1782.7	MVA		25	0	300	1000	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-16.00%, DL-11.13%, Saving 83.11 LU.	
	(ii) 132kV S/C Parewara - Bhasina line	256.57	2013-14	2015-16			kM		15					
	(iii) 1 No. 132kV bay at 132kV GSS Parewara	59.38	2013-14	2015-16										
68	(i) 132/33 kV, 20/25 MVA GSS Chhatargarh (Distt. Bikaner)	1224.06	2013-14	2015-16	1469.81	2615.79	MVA		25	1499.68	50	1300	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-40.50%, DL-36.62%, Saving	
	(ii) 132kV S/C Khajuwala - Chhatargarh line	852.61	2013-14	2015-16			kM		50					
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.38	2013-14	2015-16										
69	132kV S/C Galifa - Sata line.	997.72	2013-14	2015-16	-249.79	-295.9	kM		50	0	300	600	System strengthening scheme, Saving 13.62 LU.	
	1 No. 132kV bay at 132kV GSS Galifa		2013-14	2015-16										0
	1 No. 132kV bay at 132kV GSS Sata		2013-14	2015-16										0
70	LILO 132kV Kota-Sangod line at Shivpura with 132kV GSS at Shivpura (Kota)	1261.71		2015-16	-103.68	-111.09	kM/MV A		1/25	0	25	500	Load Catering & Load Reduction Scheme . Ex VR-12.71%, DL-4.47%, saving-18.32 LU.	
71	(i) 132/33kV, 20/25MVA GSS at Bhanwargarh (Kishanganj) (Baran)	1283.11	2012-13	2015-16	1159.1	2021.41	MVA		25	0	50	200	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-43.80%, DL-41.40%, Saving 110.84	
	(ii) LILO 132kV Baran-Kelwara line	22.12	2012-13	2015-16			kM		2					
72	(i) 132 kV GSS Degana (Nagaur)	1314.83	2013-14	2015-16	-964.47	-1294.96	MVA		25	0	400	800	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-14.10%, DL-10.24%, Saving 17.83 LU.	
	(ii) 132kV GSS Sanjoo-Degana-Bherunda line	1022.91	2013-14	2015-16			kM		60					
	(iii) 1 No. 132kV bay at 132kV GSS Bherunda	59.38	2013-14	2015-16										0
	(iv) 1 No. 132kV bay at 132kV GSS Sanjoo	59.38	2013-14	2015-16										0

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>															
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)		
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
73	(i) 132/33kV, 20/25MVA GSS at Parasneu (Churu)	1283.44	2013-14	2015-16	2048.49	4047.39	MVA		25	0	50	400	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-27.90%, DL-23.39%, Saving 140.93 LU		
	(ii) LILO Ratangarh-Sridungargarh line	29.25	2013-14	2015-16					kM		2	0			
74	(i) Construction of 132kV S/C Nokha Daiya - Khajuwala line	955.99	2012-13	2016-17	123.66	317.95	kM			0	100	300	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-25.0%, DL-19.30%, Saving 42.38 LU.		
	(ii) 1 No. 132kV bay at 132kV GSS Nokha Daiya	59.85	2012-13	2016-17								0			
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.85	2012-13	2016-17								0			
75	Upgradation of existing 132 kV S/C Sikar-Laxmangarh-Fatehpur-Ratangarh line (presently with Wolf conductor on H-Pole towers) to ACSR Panther conductor on Lattice type towers ( <b>scheme of 220kV Laxmangarh</b> )	1319.42	2012-13	2016-17	incl. in 220kV scheme	incl. in 220kV scheme	kM			0	150	300	Justification given in 220kV scheme of Laxmangarh		
76	(i) 132/33 kV, 20/25 MVA GSS Govindgarh (Distt. Alwar)	1509.62	2013-14	2016-17	61.12	263.99				0	50	500	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-21.60%, DL-18.10%, Saving 40.34 LU.		
	(ii) 132kV LILO from 132kV Nagar -Ramgarh line up to 132kV GSS Govindgarh		2013-14	2016-17								0			
77	(i) 132/33 kV, 20/25 MVA GSS Godarli (Distt. Jodhpur)	1622.15	2013-14	2016-17	51.39	260.51				0	50	400	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-12.00%, DL-8.00%, Saving 42.71 LU.		
	(ii) 132kV LILO from 132kV Phalodi - Aau line up to 132kV GSS Godarli		2013-14	2016-17								0			
	<b>Interconnections for 220 kV GSS Nawalgarh (RVPN Scope)</b>									0					
78	132kV D/C Nawalgarh (220kV GSS) - Nawalgarh (132kV GSS) line with 2 Nos. 132kV feeder bays at 132kV GSS Nawalgarh	624.73	2014-15	2017-18	NA	NA	kM			173.53	50	50	System Strengthening Scheme to reduce transmission losses 82.10 LU, strengthen 220kV and 132kV transmission system to increase liability.		
79	(i) 132 kV S/C Nawalgarh(220 kV) - Kumawas line	489.43	2014-15	2017-18	NA	NA	kM								
	(ii) 1No. 132kV bay at Kumawas.		2014-15	2017-18	NA	NA									
80	(i) 132 kV S/C Nawalgarh(220 kV) - Gudagorji line	653.58	2014-15	2017-18	NA	NA	kM								
	(ii) 1No. 132kV bay at Gudagorji		2014-15	2017-18	NA	NA									
81	(i) 132 kV S/C Nawalgarh(220 kV) - Udaipurwati line	598.86	2014-15	2017-18	NA	NA	kM								
	(ii) 1No. 132kV bay at Udaipurwati			2017-18	NA	NA									
	<b>Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts(132kV schemes associated with 220kV GSS's)</b>														
82	LILO of existing 132 KV S/C PS1-Bajju line at proposed 220 KV GSS PS_1 / Bajju	30.85	2014-15	2017-18	N.A.	N.A.				Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme	This scheme is formed to evacuate power from new solar and wind power plants		
83	LILO of existing 132 KV S/C Chandan-Pokaran line at proposed 220 KV GSS Pokaran	308.54	2014-15	2017-18	N.A.	N.A.									
84	LILO of existing 132 KV S/C Kolayat-Bajju line at proposed 220 KV GSS Kolayat	956.47	2014-15	2017-18	N.A.	N.A.									
85	Optical Fibre Cable System for 132kV Schemes already approved under Main Transmission System for New Solar & Wind Power Plants (as per Appendix-IIB) & Smart Grid Applications. (ADB)				N.A.	N.A.									
	(i) 132kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 22kM)	141.83	2014-15	2017-18	N.A.	N.A.				Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>														
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)	
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
<b>Normal Development works</b>														
86	(i) 132/33kV, 20/25MVA GSS at Tibbi (Hanumangarh)	1223.28	2014-15	2017-18	1067.34	1889.2	MVA			0	60	100	Voltage Regulation, load Catering, Loss Reduction Scheme . Ex VR-18.70%, DL-15.95%, Saving 110.38	
	(ii) 132kV S/C Amarpura Theri(Hanumangarh)-Tibbi line	173.50	2014-15	2017-18			kM			0				
	(iii) 1 No. 132kV bay at 132kV GSS Amarpura Their	59.83	2014-15	2017-18						0				
87	(i) 132/33 kV, 2x50 MVA GIS Sub-station at City Power House, Hathibhata, Ajmer (Distt. Ajmer)	5043.07	2014-15	2017-18	NA	NA				0	50	200	load Catering, , Saving 60.55 LU.	
	(ii) 132kV S/C XLPE Cable between 132kV GSS Pushkar Road (Kotada) - City Power House (GIS)	3209.8	2014-15	2017-18							0			
	(iii) 132kV D/C XLPE Cable between 220/132kV GSS Madar - City Power House (GIS)	6454.65	2014-15	2017-18							0			
88	LILO of 132 kV Alwar-Bansur line with 132 kV GSS at Vijay Mandir, Alwar City(Alwar)	1426.49	2014-15	2018-19	-176.38	-168.53	kM/MV A			0	20	50	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-13.40 %, DL-6.19 Saving-28.41 Lu.	
89	LILO of 132 kV Padampur-Sri Ganganagar line with 132 kV GSS at Telewala (Sri Ganganagar)	1501.27	2014-15	2018-19	433.18	825.67	kM/MV A			0	50	50	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-17.80%, DL-9.65%, Saving 66.34 LU.	
<b>2. New Schemes</b>														
<b>I 400kV</b>														
<b>400kV Interconnecting Lines (Banswara Evacuation) :</b>														
1	400 kV D/C Banswara TPS- Udaipur (Quad Moose) Line (Target to be decided as per commissioning schedule of Banswara SCTPS)	30315.48	2015-16	2018-19	N.A.	N.A.	kM			0	-	500	This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS (2x660MW)	
2	400 kV D/C Banswara TPS- Chittorgarh (Quad Moose) Line (Target to be decided as per commissioning schedule of Banswara SCTPS)	34104.37	2015-16	2018-19	N.A.	N.A.	kM			0	-	500		
<b>400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :</b>														
3	400 kV D/C Suratgarh TPS- Bikaner (Twin Moose) Line	15779.49	2015-16	2018-19	N.A.	N.A.	kM			838.22	-	400	This scheme is primarily formed to evacuate power from Suratgarh TPS	
<b>400kV Interconnecting Lines ( New Solar &amp; Wind Plants) :</b>														
4	400 kV D/C Bikaner-Sikar (PGCIL) line (Twin Moose) ( VGF)	20851.16	2014-15	2017-18	N.A.	N.A.	kM			0			This scheme is formed to evacuate power from new solar and wind power plants.	
5	400kV D/C Akal-Jodhpur (New) line (Quad Moose)	56784.04	2014-15	2017-18	N.A.	N.A.	kM			0				
<b>Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts</b>														
6	400/220 kV, 2 X 500 MVA GSS at Jaisalmer-2 alongwith 1x125 MVAR , 400kV Bus Type Reactor	19379.76	2014-15	2017-18	N.A.	N.A.	MVA			0	200	7800	This scheme is formed to evacuate power from new solar and wind power plants	
7	400 kV D/C Jaisalmer-2 -Barmer line	13498.12	2014-15	2017-18	N.A.	N.A.	kM			0				
8	400 kV S/C Akal(1)- Jaisalmer-2 line	3518.61	2014-15	2017-18	N.A.	N.A.	kM			0				

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
9	400kV Terminal Bay Equipment at 400/220kV GSS Barmer (for termination of 400 kV D/C Jaisalmer 2 - Barmer line at Barmer end)	3619.21	2014-15	2017-18	N.A.	N.A.				13.12			
10	400kV Terminal Bay Equipment at 400/220kV GSS Akal 1 (for termination of 400 kV S/C Akal-1 - Jaisalmer 2 line at Akal-1 end)	1820.11	2014-15	2017-18	N.A.	N.A.				0			
	<b>Power Evacuation Scheme for New Wind and Solar Projects in Banswara, Pratapgarh and Barmer districts (450MW) (Posed for KFW financing)</b>												
11	400/220 kV, 2 X 500 MVA Substation at Banswara	28150.43	2014-15	2018-19	N.A.	N.A.	MVA			0	200	1000	This scheme is formed to evacuate power from new solar and wind power plants in Banswara, Pratapgarh and Barmer districts Districts.
12	400 kV D/C Banswara- Chittorgarh Line (Quad Moose)	49170.33	2014-15	2018-19	N.A.	N.A.	kM			0			
13	2 nos. 400 kV bays at 400 kV GSS Chittorgarh with 2x50 MVAR Line Reactors	3026.33	2014-15	2018-19	N.A.	N.A.				0			
<b>II</b>	<b>220kV</b>												
1	(i) 220kV AIS Substation & 33/11 kV Sub station at Banar (Up-gradation) (District- Jodhpur) and OPGW along the 14km route on the 220kV line being erected on narrow base towers.	5341.99	2014-15	2016-17	NA	NA	MVA			13.28	400	1500	System strengthening Scheme to help in reducing transmission losses (43.13 LUs). To reduce loading on 132kV GSS.
	(ii) 220 kV D/C line on Narrow Base/conventional towers from Jodhpur(400 kV GSS) to proposed 220 kV AIS sub-station Banar (14km D/C)	815.68	2014-15	2016-17	NA	NA	kM						
	(iii) 220 kV D/C XLPE Cable for termination of proposed 220 kV D/C Jodhpur(400 kV GSS)-Banar line at proposed 220 kV AIS sub-station Banar(0.5kM D/C)	901.32	2014-15	2016-17	NA	NA	kM						
2	(i) 220/132 kV, 1x160 MVA GSS at Bhawanimandi (New Location) with 132/33 kV, 20/25 MVA capacity Transformer	3534.38	2014-15	2016-17	-2406.96	-3295.83	MVA			0	100	2500	System strengthening Scheme to help in reducing transmission losses (29.89 LUs).
	(ii) 220 kV S/C Kalisindh- Bhawanimandi line	703.11	2014-15	2016-17			kM			0			
	(iii) 220 kV S/C Modak- Bhawanimandi line	1107.45	2014-15	2016-17			kM			0			
3	(i) 220/132kV,2x160MVA GIS Substation at Jawahar Nagar (Distt. Jaipur)	5912.36	2014-15	2017-18	N.A.	N.A.				0	100	2500	Loss Reduction & System Strengthening Scheme . Reduction in transmission losses 162.71 LU thereby increasing reliability of supply.
	(ii) 220 kV, 1200Sq.mm., S/C Mansarovar - Jawahar Nagar XLPE Cable	6444.30	2014-15	2017-18	N.A.	N.A.	kM			0			
	(iii) 220 kV, 1200Sq.mm., S/C Indira Gandhi Nagar - Jawahar Nagar XLPE Cable	7020.71	2014-15	2017-18	N.A.	N.A.	kM			0			
4	<b>Jaipur City EHV Network Strengthening Scheme-IV (Phase-I)</b>												
	(i) 220 kV GIS Substation at Chambal (Jaipur)	10859.74	2014-15	2018-19	N.A.	N.A.				0	100	700	Loss Reduction & System Strengthening Scheme . Reduction in transmission losses in Jaipur & to create 220kV inner ring system in Jaipur city, thereby increasing reliability of supply.
	(ii) 2 Nos. 220 kV Terminal Bays at 400/ 220 kV Substation at Heerpaura	231.51	2014-15	2018-19	N.A.	N.A.				0			
	(iii) 1 No. 220 kV Terminal GIS Bay at 220 kV Substation at Mansarovar	471.44	2014-15	2018-19	N.A.	N.A.				0			
	(iv) 220 kV D/C Cable System between 400 kV Heerapura and 220 kV Chambal	8681.82	2014-15	2018-19	N.A.	N.A.	kM			0			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target		Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)	
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)		During year 2015-16 (budget provision)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	(v) 220 kV S/C Cable System between 220 kV Mansarovar and 220 kV Chambal	3177.88	2014-15	2018-19	N.A.	N.A.	km			0			
	<b>Power Evacuation Scheme for New Wind and Solar Projects in Banswara, Pratapgarh and Barmer districts (Posed for K f W financing)</b>		2014-15							0			
5	(i) 220 kV D/C interconnection at proposed 400 kV GSS Banswara	5447.47	2014-15	2018-19	N.A.	N.A.	km			0	Incl. in 400kV scheme	300	This scheme is formed to evacuate power from new solar and wind power plants in Banswara, Pratapgarh and Barmer districts Districts.
	(ii) 2 nos., 220 kV extension bays	221.72	2014-15	2018-19	N.A.	N.A.			0				
6	(i) 220/132kV, 2x160 MVA, 132/33 kV, 2x40/50 MVA GSS Undoo	6416.67	2014-15	2018-19	N.A.	N.A.		122.16		0			
	(ii) 220 kV D/C interconnection line from 220 kV GSS Undoo to approved 220 kV GSS Pokaran	3814	2014-15	2018-19	N.A.	N.A.	km			0			
	(ii) 2 nos., 220 kV Extension bays at 220 kV GSS Pokaran	221.72	2014-15	2018-19	N.A.	N.A.				0			
7	New 400 kV & 220 kV Schemes (to be identified)										500	2000	
<b>III</b>	<b>132kV</b>												
1	20 Nos. 132/33kV, 1x20/25 MVA Capacity Grid Sub-Stations alongwith approx. 25km long 132kV D/C line (for each of 132kV GSS) in the periphery of 30km around various proposed 220kV GSSs as mentioned in project report location of 132kV GSS to be identified later on in consultation with field officers of RVPN/RECL												
	(i) 20 nos.132/33kV, 1x20/25 MVA Capacity Grid Sub-Stations	15426.97	2014-15	2018-19	N.A.	N.A.				0	100	1000	This scheme is formed to evacuate power from new solar and wind power plants
	(ii) 500km long 132kV D/C lines for 20 Nos. 132kV GSS	34074.98	2014-15	2018-19	N.A.	N.A.				0			
2	Associated schemes of 220kV GSS Bhawanimandi									0			
	(i) LILO of 132 kV S/C Bhawanimandi- Hemda line	141.78	2014-15	2016-17						0	Incl. in 220kV scheme	Incl. in 220kV scheme	Incl. in 220kV scheme
	(ii) LILO of 132 kV S/C Bhawanimandi- Kanwari line	57.39	2014-15	2016-17						0			
3	(i) 132 kV GSS at Bapini (District – Jodhpur	1196.56	2014-15	2016-17	1032.37	1873.38				0	50	600	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-17.60 %, DL-14.62 Saving-91.98 LU.
	(ii) 132 kV S/C Line from 220/132 kV GSS Aau	582.44	2014-15	2016-17						0			
	(iii) 132 kV Feeder bay at 220/132 kV GSS Aau	51.54	2014-15	2016-17						0			
4	(i) 132 kV GSS at Setrawa (District – Jodhpur)	1196.56	2014-15	2016-17	1737.71	3007.32				0	50	500	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-20.80 %, DL-12.67 Saving-121.545 LU.
	(ii) 132 kV S/C Line from 220/132 kV GSS Dechu	496.79	2014-15	2016-17						0			
	(iii) 132 kV Feeder bay at 220/132 kV GSS Dechu	51.54	2014-15	2016-17						0			
5	(i) 132/33kV, 20/25MVA GSS at Gogelaw (Nagaur)	1705.21	2014-15	2016-17	-175.43	-98.08				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-27.30 %, DL-14.63 Saving-34.58 LU.
	(ii) LILO of 132kV Nagaur - Khinvsar line		2014-15	2016-17						0			

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
6	(i) 132/33kV, 20/25MVA GSS at Bhikamkore (Jodhpur)	1510.08	2014-15	2016-17	179.29	455.58				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-15.200 %, DL-10.13 Saving-45.66
	(ii) 132kV S/C Bhikamkore - Biathwasia (220kV GSS) line		2014-15	2016-17						0			
7	(i) 132/33kV, 20/25MVA GSS at S.S.Nagar (Jodhpur)	1337.88	2014-15	2016-17	1371.17	2368.72				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-18.20 %, DL-14.02 Saving-94.94 LU.
	(ii) LILO of 132kV S/C Phalodi - Aau at S.S.Nagar (Jodhpur)		2014-15	2016-17						0			
8	(i) 132/33kV, 20/25MVA GSS at Peepalwa (Banswara)	1337.88	2014-15	2016-17	-159.78	-131.1				0	50	200	Load Catering & Loss Reduction Scheme . Ex VR-8.50 %, DL-5.62 Saving-25.73 LU.
	(ii) LILO of 132kV S/C Banswara - Dalot line at Peepalwa (Banswara)		2014-15	2016-17						0			
9	(i) 132/33kV, 20/25MVA GSS at Mokhampura (Pratapgarh)	1676.95	2014-15	2016-17	-109.73	-17.56				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-18.40 %, DL-14.44 Saving-36.32 LU.
	(ii) LILO of 132kV S/C Pratapgarh - Dalot line at Mokhampura (Pratapgarh)		2014-15	2016-17						0			
10	(i) 132/33kV, 20/25MVA GSS at Bichiwara (Dungarpur)	1681.38	2014-15	2016-17	48.95	240.07				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-25.60 %, DL-20.34 Saving-43.56LU.
	(ii) 132kV S/C Bichiwara (Dungarpur) - Kherwara (under constriction) line		2014-15	2016-17						0			
11	(i) 132/33kV, 20/25MVA GSS at Joojhpura (Udaipur)	1595.72	2014-15	2016-17	322.59	675.42				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-26.40 %, DL-29.90 Saving-53.75LU.
	(ii) 132kV S/C Joojhpura (Udaipur) - Bhinder (132kV GSS) line		2014-15	2016-17						0			
12	(i) 132/33kV, 20/25MVA GSS at Balicha (Udaipur)	1507.42	2014-15	2016-17	253.17	555.31				0	50	200	Load Catering & Loss Reduction Scheme . Ex VR-4.50 %, DL-3.91 Saving-32.17LU.
	(ii) LILO of 132kV S/C Madri - Jawar mines line at Balicha (Udaipur)		2014-15	2016-17						0			
13	(i) 132/33kV, 20/25MVA GSS at Bhim (Rajsamand)	1762.55	2014-15	2016-17	1485.43	3028.12				0	50	200	Voltage Regulation, load Catering & Loss Reduction Scheme . Ex VR-32.30 %, DL-39.05 Saving-78.14LU.
	(ii) 132kV S/C Bhim (Rajsamand) - Asind (132kV GSS) line		2014-15	2016-17						0			
14	132 kV D/C line from 220 kV SEZ-I to 132 kV SEZ-I with 132 kV GSS at SEZ-I	1175.82	2011-12	2017-18	-882.38	-1236.78	kM/MV A			0	50	50	Load Catering Scheme to meet the load of Mahindra SEZ.
15	LILO 132kV Jodhpur-Baori line for 132 kV Jhalamand with 132kV GSS at Jalamand (Jodhpur)	1078.83	2014-15	2017-18	308.23	569.70	kM/MV A			0	50	50	Load Catering & Loss Reduction Scheme. Ex VR-11.9 %, DL-9.30% Saving-52.239 LU.
16	LILO of 132 kV Jodhpur-Bilara line with 132 kV GSS at SEZ, Kaparda (Jodhpur)	1476.34	2014-15	2017-18	-585.32	-827.29	kM/MV A			0	50	50	load Catering Scheme .Ex DL-4.38%, Saving 5.69 LU.
17	LILO of existing 132 kV S/C Jodhpur(220kV GSS)- Bilara line at Jhalamand	103.86	2014-15	2017-18	NA	NA				Incl. in 220kV scheme Jhalamand	Incl. in 220kV scheme Jhalamand	Incl. in 220kV scheme Jhalamand	Justification given in 220kV scheme of Jodhpur City EHV Network Strengthening Scheme-I

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target			Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
18	<b>Jaipur City EHV Network Strengthening Scheme-IV (Phase-I) 132kV Interconnection</b>												
	(i) 132 kV Hybrid GIS Bay at Jawahar Nagar (Jaipur)	269.84	2014-15	2017-18	NA	NA				0	50	50	Loss Reduction & System Strengthening Scheme to help in reducing transmission losses (136.60)
	(ii) 132 kV S/C Cable system between 132 kV MNIT and 132 kV Substation Jawahar Nagar	2251.67	2014-15	2017-18			km			0.24			
19	<b>Power Evacuation Scheme for New Wind and Solar Projects in Banswara, Pratapgarh and Barmer districts</b>												
	(a) (i) 132 kV D/C interconnection at proposed 400 kV GSS Banswara	3238.83	2014-15	2018-19	N.A.	N.A.				Incl. in 400kV scheme	Incl. in 400kV scheme	Incl. in 400kV scheme	This scheme is formed to evacuate power from new solar and wind power plants in Banswara, Pratapgarh and Barmer districts Districts.
	(ii) 2 nos., 132 kV extension bays	136.67	2014-15	2018-19	N.A.	N.A.							
	(b) (i) 132 kV D/C interconnection at proposed 220 kV GSS Undoo	648.8	2014-15	2018-19	N.A.	N.A.							
	(ii) 2 nos., 132 kV extension bays	136.67	2014-15	2018-19	N.A.	N.A.							
20	132 kV New Schemes (To be identified )										500	1000	
	<b>3. Carried Over Liabilities of closed schemes</b>												
1	Carried Over Liabilities (Civil works & Bal.Elect. Works - 220kV & 400kV)of Sub Stations & Lines Commissioned in last 3 years only										700	1000	
2	Carried Over Liabilities (Civil works & Bal.Elect. Works - 132kV) of Sub Stations & Lines Commissioned										700	1000	
	<b>B. Other works (excluding deposit works)</b>												
	<b>1. On going</b>												
1	Energy Meters (Interface Metering)										-	-	
2	220 kV Bus Bar Protection Scheme										1000	1000	
	<b>2. New</b>												
1	Capacitor banks (MVAR)										1000	1000	
2	Augmentation (EAP & Plan)/(Upgradation)												
	i. Transformers capacity (MVA)												
	ii. 400/220/132/33kV Feeder bays, Transformer bays, Bus-coupler bays etc.												
	iii. 33kV line bays as per requirement of Discoms												
	iv. Other works approved under Augmentation												
	(A) Jaipur Zone										7600	10000	
	(B) Jodhpur Zone										7400	9800	
	(C) Ajmer Zone										7200	9500	
3	Automation/ SCADA solutions, RTU's/ BCU's, related primary equipments upgradations, communication interfaces/ channels (under ULDC. up gradation of existing S/S)										2000	3700	
4	Supply, installation, implementation and integration of ERP solution in RVPN										800	800	
5	Capital cost on IT/non-IT goods for 'Integrated MIS & Computerisation in RVPN										30	30	
6	Purchase of IT hardwares, associated standard software, Computer furniture, networking equipment, internet connectivity, etc.										300	300	



<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/ works (lacs of Rs.)	Year of Start	Commissioning date/ year (likely)	Net Present Value		Physical Target		Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)	
					5th year	10th year	Unit km/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
7	RMU of equipments & protection schemes of RVPN (Scheme -II & III)										1600	1500	
8	RMU- PLCC Stage -I Scheme	878.88									165	160	
9	Supply, installation, & commissioning of ABT & TOD energy meters (Metering Schemes for Acquisition of Data from New and Existing ABT and TOD Energy Meter and its Communication / Transmission and Integraton with various data centers, GSSs and offices of RVPN )	10491									1500	1500	
10	Scheme of Renovation and Up-gradation of all RVPN substations of 220kV and 400kV to rectify protection related deficiencies <b>(PSDF funded schemes)</b>	15953									-	4300	
11	Air Conditioning of Control Rooms of 220kV GSS										200	200	
12	Allocation by CCOA (For allocating budget to various wings under various heads)										1500	1500	
											<b>181000</b>	<b>238000</b>	
<b>C</b>	<b>Deposit work</b>												
1	33KV Bay work at 220kV GSS Boranada										7.79		
2	Construction of 220kV D/C Electrical Railway line and feeder Bay at RVPN 220kV GSS Pali										2477.38		
3	shifting work fo 220kV STPS-RTGH line										436.71		
4	Shifting of 220kV D/C Slipura- Bhawad line										111.46		
5	1 Nos. 33kV Bayat 400kV GSS Barmer for MES Jalipa										10.75		
6	Construction of 220kV S/C line from 400kV GSS Barmer (30 km with 3 km D/C Tower both end) to MP\T of M/s. Cairn India Limited.										747.23		
7	Construction of 1 Nos. 220kV Bay at 400kV GSS Barmer of M/s. Cairn India Ltd.												
8	1 Nos. 33kV Bay at 132kV GSS Sheo for M/s. Rajwest										22.67		
9	33kV Bay at 220kV GSS, Chambal										13.85		
10	33kV Bayat 220kV GSS, Mansarover										22.77		
11	Raising work of 132kV S/C Bundi-Hindoli line from Loc. 9 to 11.										21.93		
12	Shifting work fo 132kV S/C Kota-Deoli Manijhi line Lc. 179 B to 182 B										34.76		
13	Construction of 1 No. 132kV Bay at 220kV GSS Bhiwadi for M/s. OCL Iron & Steel Ltd. I/A, Kaharani, Bhiwadi.										29.13		
14	Construction of 1 No.33kV Bay at 132kV GSS, Thanagazi to M/s. Kamal Industries, Thanagazi.										8.06		
15	Construction work of 1 No. 33kV Bay for M/s. Ratanawali Instrastrucre Pvt. Ltd., at 132kV GSS, Phagi										16.36		
16	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Bajor										12.74		
17	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Gulabpura										17.92		
18	Modification of 132kV S/C Sikar-Ranoli Line at Palsana-Ladana Road.										14.53		

<b>(Physical &amp; Financial Targets &amp; Achievement)</b>													
													(Rs. In Lacs)
S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	Year of Start	Commissioning date/year (likely)	Net Present Value		Unit	Physical Target		Expenditure / Provision (in lacs of)			Remarks and (Justification of the Scheme)
					5th year	10th year	kM/MV A	for previous year 2014-15 (Working target/Achievement)	During the year 2015-16 (Target) working	upto previous year start Expend. (01.04.14) (Tentative)	During Previous year 2014-15 Budget Provision (Revised)	During year 2015-16 (budget provision)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
19	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Tirlokpura										24.04		
20	Modification of 132kV S/C Sikar-Ranoli Line at Palsana-Sawapura Road.										28.47		
21	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Goriyan.										20.20		
22	Construction of 2 Nos. of 33kV O/G Bayat 132kV GSS Pratapgarh for M/s. Welspurm Renewable Energy Gneratio (Pvt.) Ltd., Pratapgarh										55.00		
23	Modification of 132kV Nimahera Mangalwas Line										19.00		
24	Modification of 132kV Nimahera Choti Sadari Line.										6.00		
	<b>Total C</b>										4158.75		

## RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.

### Investment Proposals for the Financial Year 2015-16 (Proposed)

#### (Source of Funding)

S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	total cost to be funded by				Expenses(Provision) funded during current year (2015-16) by					Expenses(Provision) funded during previous year (2014-15) by					Expenses funded upto previous year (2014-15) by				Remarks
			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution	grants / subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
<b>A</b>	<b>Approved Scheme</b>																				
	<b>I. ON GOING SCHEMES</b>																				
<b>I</b>	<b>765kV SCHEMES</b>																				
1	765/400 kV GSS at Phagi(Jaipur South) alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors and 400kV, 1x125 MVAR Bus Reactor at Phagi (Jaipur South)	83285.06	16657.01	66628.05			100.00	400.00	500			3000.00	12000.00	15000							
2	400/765 kV GSS at Anta(Baran) Pooling Station alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors.	50463.53	10092.71	40370.82			100.00	400.00	500			4120.00	16480.00	20600							
3	765 kV, 1X S/C Anta- Phagi(Jaipur South) ckt - I	68161.58	13632.3	54529.26			0	0	0			220.00	880.00	1100							
4	765 kV, 1 X S/C Phagi(Jaipur South)- Anta ckt -II																				
	<b>Evacuation system for Kawai Super Critical TPS (2x660MW)</b>																				
5	Additional 1x1500 MVA, 765/400 kV transformer (3rd transformer) at 765/400 kV pooling station Anta (Baran)	16161.12	3232.22	12928.9			Incl in I.2	Incl in I.2	Incl in I.2			Incl in I.2	Incl in I.2	Incl in I.2							
<b>II</b>	<b>400kV SCHEMES</b>																				
	<b>Composite Power Evacuation System {Chhabra Super Critical TPS (2x660MW) &amp; Kalisindh TPS (2x600 MW)}</b>																				
1	400 kV D/C (Quad Moose) Kalisindh TPS -Anta(Baran) Pooling Station Line (For Kalisingdh TPS )	18948.83	3789.77	15159.06			0.00	0.00	0			40.00	160.00	200							
2	400/220 kV GSS at Ajmer	12334.01	2466.80	9867.21			160	640	800			560.00	2240.00	2800							
3	Terminal 400 kV Bays at existing 400 kV Substation at Heerapura	996.09	199.22	796.87																	
4	400 kV D/C (Twin Moose) Phagi (Jaipur 765 kV)-Ajmer Line	11603.74	2320.75	9282.99			600	2400	3000			500	2000	2500							
5	400 kV D/C Phagi (Jaipur ) - Heerapura line	3716.19	743.24	2972.95																	
6	400 kV D/C (Quad Moose) Chhabra SCTPS - Anta(Baran) Pooling Station Line (For Chhabra TPS ) (Line work completed ,termination pending on chhabra end)	24632.16	4926.43	19705.73			20.00	80.00	100			40.00	160.00	200							
	<b>Power Evacuation of Banswara Super Critical TPS ( IPP Unit-1&amp;2) (2X660MW)</b>																				
7	400/220 kV GSS at Chittorgarh alongwith 400kV, 1x80 MVAR Bus Reactor, and 2x50MVAR Line Reactors at Chittorgarh end of 400kV D/C Banswara TPS-Chittorgarh line. (Under normal development)	13834.05	2766.81	11067.24			40	160	200			100	400	500							
8	Terminal 400 kV Bays at existing 400kV Substation Bhilwara	2440.86	488.17	1952.69																	
9	400/220 kV GSS at Jodhpur (New) alongwith 400kV, 1x80 MVAR Bus Reactor and 2x50MVAR Line Reactors at Jodhpur end of 400kV D/C Udaipur -Jodhpur (New) line. (Under normal development)	14790.96	4437.29	10353.67			1333.20	3110.80	4444			360.00	840.00	1200							
	<b>400kV Interconnecting Lines (Banswara Super Critical TPS Evacuation) :</b>																				
10	400 kV D/C Chittorgarh-Bhilwara (Twin Moose) Line (Under normal development)	4644.14	928.83	3715.31			100.00	400.00	500			500.00	2000.00	2500							
11	LILO of 400kV Jodhpur -Merta line at 400 kV GSS Jodhpur(New)	3716.19	743.24	2972.95			160.00	640.00	800			240.00	960.00	1200							
12	400 kV D/C Bhilwara-Ajmer (Twin Moose) Line	13923.6	2784.72	11138.88			600.00	2400.00	3000			680.00	2720.00	3400							

S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	(Source of Funding)																	Remarks	
			total cost to be funded by				Expenses(Provision) funded during current year (2015-16) by					Expenses(Provision) funded during previous year (2014-15) by					Expenses funded upto previous year (2014-15) by				
			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution		grants / subsidy
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	<b>Power Evacuation Scheme of Suratgarh Super Critical TPS (Unit 7&amp;8) (2x660MW)</b>																				
13	400/220 kV GSS at Babai (Jhunjhunu) alongwith 400kV, 1x80 MVAR Bus Reactor and 2x80MVAR Line Reactors at Babai end of 400kV D/C Suratgarh TPS-Babai (Jhunjhunu) line.	14388.31	2877.66	11510.65			300	1200	1500			320	1280	1600							
14	Terminal 400 kV Bays at existing 400 kV Substation Bikaner (with 400kV, 1x50 MVAR Shunt Line Reactor at Bikaner end of 400kV S/C Bikaner-Merta line.)	2760.19	552.04	2208.15																	
15	Terminal 400 kV Bay at existing 400 kV Substation Mertacity with 400kV, 1x50 MVAR Shunt Line Reactor at Merta end of 400kV S/C Bikaner-Merta line.	1387.99	277.60	1110.39																	
	<b>400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :</b>																				
16	400 kV S/C Bikaner- Merta (Twin Moose) Line	11899.74	2379.95	9519.79			10.00	40.00	50			400.00	1600.00	2000							
17	400 kV D/C Suratgarh TPS- Babai (Jhunjhunu)(Quad Moose) Line	43576.58	8715.32	34861.26			1200.00	4800.00	6000			1040.00	4160.00	5200							
	<b>Evacuation system for Kawai Super Critical TPS (2x660MW)</b>																				
18	(i) 400 kV D/C (Quad Moose) Kawai SCTPS-765/400 kV Anta (Baran) line	14944.75	2988.95	11955.80			0.00	0.00	0			20.00	80.00	100							
	(ii) 3 nos. 400 kV bays at 765/400 kV Anta(Baran) Pooling Station	Incl. in I.A.5	Incl. in I.A.5	Incl. in I.A.5			Incl. in 765kV Anta	Incl. in 765kV Anta	Incl. in 765kV Anta			Incl. in 765kV Anta	Incl. in 765kV Anta	Incl. in 765kV Anta							
	<b>Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer &amp; Jodhpur Districts</b>																				
19	400/220 kV, 3 X 500 MVA Pooling Sub-Station GSS at Ramgarh (Jaisalmer) alongwith 400kV, 1x125 MVAR, 400kV Shunt Reactor (Bus type) and 2x50 MVAR Shunt Reactor (line type) for 400kV D/C Ramgarh-Bhadla line (ADB TR-1) and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 MVA (RVPN scope)	30820.43	9246.13	21574.30			2160.00	5140.00	7300			390.00	910.00	1300							
20	400/220 kV, 3 X 315 MVA Pooling Sub-Station GSS at Bhadla (Jodhpur) alongwith 400kV, 1x125 MVAR Shunt Reactor (Bus type) and 4x50 MVAR, 400kV Shunt Reactors (Line type) for Bhadla ends of 400kV D/C Bhadla-Bikaner line, 400kV LILO Jodhpur-Merta at Bhadla line and 400kV D/C Ramgarh-Bhadla line. (ADB TR-1) and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 MVA (RVPN scope)	35446.41	10633.92	24812.49			2310.00	5490.00	7800			390.00	910.00	1300							
21	Augmentation of 400kV GSS Akal by installation of 400/220 kV, 1 X500 MVA Transformer alongwith 400kV, 1x125 MVAR Bus Reactor and 400kV, 2x50 MVAR Shunt Reactor (line type) for proposed 400kV Akal-Jodhpur (New) line. (ICB-1)	8832.48	2649.74	6182.74			450.00	1050.00	1500			30.00	70.00	100							
20	Augmentation at 400kV GSS Barmer																				
	(i) 1x125 MVAR, 400kV Shunt Reactor (Bus type) at 400kV GSS Barmer (ADB TR-1)	3177.51	953.25	2224.26			300.00	700.00	1000			30.00	70.00	100							
	(ii) 400kV bays for 400kV D/C Barmer-Bhinmal (PG) line																				
21	Augmentation at 400kV GSS Bikaner																				
	(i) 1x125 MVAR, 400kV Bus Reactor at 400kV GSS Bikaner GSS (ADB TR-1)	8086.30	2425.89	5660.41			360.00	840.00	1200			30.00	70.00	100							



S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	(Source of Funding)																	Remarks	
			total cost to be funded by				Expenses(Provision) funded during current year (2015-16) by					Expenses(Provision) funded during previous year (2014-15) by					Expenses funded upto previous year (2014-15) by				
			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution		grants / subsidy
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
<b>III</b>	<b>220kV SCHEMES</b>																				
	<b>Normal development works</b>																				
1	220/132kV GSS at <b>Lalsot</b> (Distt. Dausa)	2430.96	486.19	1944.77				0.00	0.00	0			40.00	160.00	200						
2	(i) 220 kV GSS at <b>Manoharpur</b> (Upgradation) (Distt. Jaipur)	2758.31	551.66	2206.65				0	0	0			40	160	200						
	(ii) 220 kV D/C Kotputli-Manoharpur line	2001.28	400.26	1601.02																	
3	(i) 220 GSS at <b>Gangapurcity</b> (New location) (Distt. Sawai Madhopur)	3610.37	722.07	2888.30				0	0	0			40	160	200						
	(ii) 220 kV D/C Hindaun (400 kV GSS) - Gangapurcity line	1668.10	333.62	1334.48																	
4	LILO of 220 kV Debari - Banswara line for 220 kV Madri with 220 kV GSS at <b>Madri</b> (Udaipur )	3412.72	682.54	2730.18				0.00	0.00	0			10.00	40.00	50						
5	(i) 220/132kV GSS at <b>Badnu</b> (Upgradation) (Distt. Bikaner)	2388.21	477.64	1910.57				20	80	100			60	240	300						
	(ii) LILO of existing 220 kV Ratangarh(400kV)-Bikaner(220kV) line at 220 kV GSS Badnu.	1001.74	200.35	801.39																	
	(iii) 220kV S/C Tehandesar -Badnu line	797.87	159.57	638.30																	
6	<b>Jaipur City EHV network strengthening scheme-1</b>																				
(a)	220/132kV, 2x160 MVA capacity GIS Substation at <b>Mansarovar</b> (Jaipur) and allied works	7476.20	1495.24	5980.96				0.00	0.00	0			40.00	160.00	200						
(b)	220kV GIS Substation at Nallah Power House (Jaipur) alongwith associated lines and allied works																				
i.	220 kV GIS substation at existing 132 kV Nallah Power House, Jaipur	6933.93	1386.79	5547.14				40	160	200			80	320	400						
ii.	Up-gradation of existing 132 kV (S/C & D/C Sections) Line to 220 kV D/C Line Between 220 kV Heerapura to 220 kV Nallah Power House	854.81	170.96	683.85																	
iii.	2 Nos. 220 kV Terminal Bays at 400 kV Heerapura/ 220 kV Substation at Heerapura	236.83	47.37	189.46																	
	<b>JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]</b>																				
7	220 kV GSS at Sitapura (New) and associated lines.																				
(i)	220 kV Substation at Sitapura (Jaipur)	2769.07	553.81	2215.26				40	160	200			400	1600	2000						
(ii)	Up-gradation of existing 132 kV S/C Line to 220 kV D/C Lines Between 220 kV Sanganer to 220 kV Sitapura.	704.72	140.94	563.78																	
(iii)	1 No. 220 kV Terminal Bays at 220 kV Substation at Sanganer	118.37	23.67	94.70																	
(iv)	Up-gradation of existing 132 kV S/C Line Sanganer-Chaksu Line to 220 kV D/C Line [for future connectivity to 400 kV Jaipur South (PG) (approx. 34km)] 20 km line on 220 kV D/C narrow base towers and balance 14 km on 220 kV D/C conventional towers.	2321.22	464.24	1856.98																	
8	220 kV S/C XLPE Cable System from 400 kV Heerapura to 220 kV Nala Power House	8554.36	1710.87	6843.49				0.00	0.00	0			20.00	80.00	100						
	<b>Normal development works</b>																				
9	(i) 220/132kV GSS at Tehandesar (Upgradation) (Distt. Churu)	2246.70	449.34	1797.36				20	80	100			100	400	500						
	(ii) 220 kV S/C Sujangarh-Tehandesar line.	996.79	199.36	797.43																	
10	(i) 220kV GSS at Bamantukda (Distt. Rajsamand)	3273.50	654.70	2618.80				40	160	200			200	800	1000						



S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	(Source of Funding)																	Remarks	
			total cost to be funded by				Expenses(Provision) funded during current year (2015-16) by					Expenses(Provision) funded during previous year (2014-15) by					Expenses funded upto previous year (2014-15) by				
			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution		grants / subsidy
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	<b>JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JDESS-I]</b>																				
22	(i) 220 kV GSS at Barli (Distt. Jodhpur)	5098.42	1019.68	4078.74			60	240	300			120	480	600							
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-II at Barli	102.15	20.43	81.72																	
23	(i) 220 kV GSS at Bhawad (Distt. Jodhpur)	7422.28	1484.46	5937.824			0	0	0			40	160	200							
	(ii) 220kV D/C Jodhpur (400kV GSS)-Karwad/Bhawad-Bhopalgarh line(Jodhpur - Bhawad section of 78.318ckM has been comm. On dt.29.12.12)(Total 172ckM)																				
	(iii) 2 No. bays at 220kV bay at 400kV Soorpara	191.47	38.29	153.18																	
	(iv) 2 No. bays at 220kV bay at 400kV Bhopalgarh	191.47	38.29	153.18																	
	(iii) 1 No. bays at 132kV bay at Mathania	61.79	12.36	49.43																	
24	(i) 220 kV GSS at Jhalamand (Up-gradation) (Distt. Jodhpur)	4351.64	1305.49	3046.15			100	400	500			20	80	100							
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS)	35.52	10.66	24.86																	
25	(i) 220 GSS at Bhadwasia (Distt. Jodhpur)	5239.67	1571.9	3667.769			60	140	200			20	80	100							
	(ii) 220kV D/C Jodhpur (400kV GSS)-Bhadwasia line (on Narrow base towers with one ckt. on 220kV & other on 132kV)																				
	(iii) 2 No. bays at 400kV Soorpara	191.47	57.441	134.029																	
	<b>Normal development works</b>																				
26	Stringing of IInd circuit of 220kV D/C Banswara-Debari line from Debari to Salumber (scheme with 220kV Aspur)	755.30	151.06	604.24			0	0	0			10	40	50							
27	220 kV interconnections at 400/220 kV GSS at Neemrana(PG)																				
	(i) 220 kV D/C line from PGCIL's 400/220 kV Neemrana (PG) to Behror(proposed 220 kV GSS)	945.79	189.16	756.63			0.00	0.00	0			140	560	700							
	(ii) 2 No bays at Behror																				
28	220 kV interconnections at 400/220 kV GSS at Kotputli (PG)																				
	(i) LILO of one circuit of approved 220 kV D/C Kotputli-Manoharpur line at PGCIL's 400/220 kV Kotputli(PG)	246.35	49.27	197.08			0	0	0			120	480	600							
	(ii) 220 kV D/C line from PGCIL's 400/220 kV Kotputli(PG) to Bansur	945.79	189.16	756.63																	
	(iii) 2 No bays at Bansur																				
29	<b>Interconnections for 400 kV GSS Deedwana (RVPN Scope)</b>																				
	(i) LILO of proposed 220 kV S/C Kuchamancity - Dhod line at proposed 400 kV GSS Deedwana	1849.58	369.92	1479.66			0.00	0.00	0			180.00	720.00	900							
	(ii) 2 No. 220 kV bay at 220kV GSS Sujangarh (For termination of 220kV D/C Sujangarh - Deedwana line at Sujangarh end)																				
30	<b>Interconnections for 400 kV GSS Alwar (RVPN Scope)</b>																				
	(i) LILO of existing 220 kV S/C Dausa-Alwar line at proposed 400 kV GSS Alwar	673.31	134.66	538.65			0	0	0			20	80	100							
	(ii) LILO of 220 kV S/C Mandawar - Alwar (MIA) line at proposed 400 kV Alwar GSS	673.31	134.66	538.65																	
	<b>Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts</b>																				
31	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Aau (New loc.) (Jodhpur Distt.):	5087.87	1017.57	4070.30			40	160	200			460	1840	2300							
	(ii) 2 Nos. 220kV bays at 220kV GSS Baithwasia	224.14	44.83	179.31																	
	(iii) 220 KV D/C Aau-Baithwasia (U/C 220 KV GSS) line	1862.33	372.47	1489.86																	
32	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Badisid (near Bap) (Jodhpur Distt.)	4953.69	990.74	3962.95			40	160	200			800	3200	4000							







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			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution		grants / subsidy	
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
1	(ii) LILO of one circuit of 220 kV D/C Neemrana-Kotputli line at proposed 220kV GSS Behror	344.85	103.46	241.40																		
53	(i) 220/132kV GSS at Bansur (Distt. Alwar)	3041.24	912.37	2128.87			750	1750	2500			180	420	600								
	(ii) LILO of 220 kV S/C Alwar-Kotputli line at proposed 220 kV GSS at Bansur	70.73	21.22	49.51																		
54	(i) 220/132kV GSS at Amberi (Distt. Udaipur)	4180.77	1254.23	2926.54			750	1750	2500			90	210	300								
	(ii) LILO of 220 kV S/C Kankroli(PG)-Debari line at proposed 220 kV GSS Amberi																					
	<b>Power Evacuation System for Proposed Wind Project in Banswara and Pratapgarh area.</b>																					
55	(i) 220/132kV,1x100MVA GSS at Pratapgarh (Up-gradation)	2635.20	527.04	2108.16			840	3360	4200			400	1600	2000								
	(ii) 2 Nos bays at 220kV GSS Chittorgarh																					
	(iii) 2 Nos bays at 220kV GSS Nimbahera																					
	(iv) 220 kV D/C Banswara(switching station)-Pratapgarh line	2398.56	479.71	1918.85																		
	(v) 220 kV D/C Pratapgarh-Chittorgarh (400 kV GSS) line with one circuit via 220 kV GSS Nimbahera	4111.82	822.36	3289.46																		
56	(i) 220kV Switching Station at Banswara	2575.74	772.72	1803.02			300	700	1000			15	35	50								
	(ii) 2 Nos bays at 220kV GSS Banswara	181.16	54.35	126.81																		
	(iii) 220 kV D/C line between 220 kV Switching Station at Banswara & 220 kV GSS Banswara	343.53	103.059	240.471																		
	(iv) Termination of approved 220 kV D/C Banswara SCTPS-Banswara (220 kV GSS) line at 220 kV Switching Station Banswara.																					
	<b>Normal Development Works</b>																					
57	(i) 220/132kV, 2x160 MVA GSS at NPH Jodhpur (Up-gradation)	3213.46	642.69	2570.77			1200	4800	6000			140	560	700								
	(ii) 220 kV D/C 1000 SQ. MM XLPE Cable between Jodhpur(220 kV GSS) & proposed 220 kV GSS NPH	7110.06	1422.01	5688.05																		
	(iii) 2 Nos. 220kV bays at 220kV GSS Jodhpur	227.22	45.44	181.78																		
58	(i) 220/132kV, 1x100 MVA GSS at Jethana (Distt. Ajmer)	4264.77	1279.43	2985.34			900	2100	3000			510	1190	1700								
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Ajmer (2x82.24)	184.28	55.28	129.00																		
	(iii) 1 No. 132kV extension bay at 132kV GSS Saradhana	60.72	18.22	42.51																		
	(iv) LILO of 220 kV S/C Ras-Merta line at proposed 220 kV GSS Jethana	699.34	209.80	489.54																		
	(v) 220kV D/C Ajmer (400 kV GSS)-Jethana (proposed 220 kV GSS) line	719.45	215.84	503.62																		
59	(i) 220/132kV, 1X100 MVA &132/33kV,1X20/25 MVA GSS at Niwana (Distt. Jaipur)	3265.96	979.79	2286.17			750	1750	2500			90	210	300								
	(ii) LILO 220kV S/C heerapura- Babai line at proposed 220kV gss Niwana	25.90	7.77	18.13																		
60	(i) 220/132kV, 1x160MVA GSS at Bherunda (Distt. Nagaur)	2477.41	743.22	1734.19			1050	2450	3500			150	350	500								
	(ii) 220 kV D/C . Ajmer (400kV) - Bherunda line	1894.78	568.43	1326.35																		
<b>IV</b>	<b>132kV SCHEMES</b>																					
	<b>Normal Development Schemes</b>																					
1	132kV S/C Madri-Dakan Kotda (Transport Nagar) line with 132kV GSS at <b>Dakan Kotda</b> (Transport Nagar), Udaipur	1200.79	240.16	960.63			0.00	0.00	0			10.00	40.00	50								
2	(i) 132/33kV, 20/25MVA GSS at <b>Narainpur PS Thanagazi</b> (Alwar)	1283.11	256.62	1026.49			0	0	0			10	40	50								
	(ii) LILO 132kV Bansur-Thanagazi	64.10	12.82	51.28																		
3	(i) 132 kV GSS at <b>Bilwadi</b> (Virat Nagar) (Distt.Jaipur)	1271.70	254.34	1017.36			0	0	0			10.00	40.00	50								
	(ii) LILO of 132kV Paota-Shahpura line	255.63	51.13	204.50								0.00	0.00									



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3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
21	(i) 132 kV GSS Gudha Chander Ji, PS Nadauti (Karauli)	85.52	17.104	68.416								140	560	700							
	(ii) 132kV Nangal Sherpur (U/C) - Gudha Chander Ji, PS Nadauti (Karauli)	426.86	85.372	341.488																	
	(iii) 1 No. 132kV bay at 220kV GSS Nangal Sherpur	59.38	11.876	47.504																	
22	(i) 132 kV GSS Bagadi (Dausa)	1224.06	244.812	979.248								140	560	700							
	(ii) LILO of 132kV S/C Lalsot - Bhadoti line at 132 kV GSS Bagadi (Dausa)	1283.44	256.688	1026.752																	
23	(i) 132/33kV, 20/25MVA GSS at Ajasar (Jaisalmer)	1283.11	256.62	1026.49								180	720	900							
	(ii) LILO 132kV Pokran-Askandra line	22.12	4.42	17.69																	
24	(i) 132kV Mahpalwas - Dulaniya line																				
	(ii) 1 no. 132kV bay at 132kV GSS Mahpalwas	460.04	92.008	368.032								10	40	50							
	(iii) 1 no. 132kV bay at 132kV GSS Dulaniya																				
25	(i) 132 kV GSS Panchu (Distt. Bikaner)	1224.06	244.812	979.248								200	800	1000							
	(ii) 132kV S/C Deshnok - Panchu	682.31	136.462	545.848																	
	(iii) 1 No. 132kV bay at 220kV GSS Deshnok	59.38	11.876	47.504																	
26	(i) 132/33kV, 20/25MVA GSS at Parbatsar (Nagaur)	1223.28	244.66	978.62								220	880	1100							
	(ii) 132kV S/C Roopangarh-Parbatsar line	247.37	49.47	197.90																	
	(iii) 1 No. 132kV bay at 132kV GSS Roopangarh	59.83	11.97	47.86																	
27	LILO of 132kV Heerapura-VKIA-Rampura Dabri line with 132 kV GSS at RIICO, Sarna Doongar (Jaipur)	1401.57	280.314	1121.256								10.00	40.00	50							
28	(i) 132kV GSS at Hatundi(Jodhpur)	1250.18	250.036	1000.144								220	880	1100							
	(ii) 132kV S/C Soyla-Hatundi line	406.25	81.25	325																	
	(iii) 1 No. Bay at 132kV GSS at Soyla	36.02	7.204	28.816																	
29	(i) 132kV GSS at Bijaipur (Chittorgarh)	1190.48	238.10	952.38								160	640	800							
	(ii) 1 No. 132kV bay at 220kV GSS Nimbahera	59.70	11.94	47.76																	
	(iii) 132 kV S/C Nimbahera - Bijaipur line	490.57	98.11	392.46																	
30	(i) 132/33kV, 20/25MVA GSS at Kanera (Chittorgarh)	1223.28	244.66	978.62								220	880	1100							
	(ii) 132kV Nimbahera - Kanera line	345.88	69.18	276.70																	
	(iii) 1 No. 132kV bay at 132kV GSS Bijaipur	59.83	11.97	47.86																	
31	LILO of 132kV VKI - Vaishali Nagar line to New Jhotwara with 132kV GIS S/S at New Jhotwara (Jaipur) (Turnkey)	3973.80	794.76	3179.04								10.00	40.00	50							
32	Extension of Existing 132 kV S/C VKIA - Pratap Steel line upto 220 kV GSS VKIA	43.84	8.77	35.07								3.00	12.00	15							
33	132kV S/C Buhana-Mahpalwas with 132 kV GSS at Mahpalwas (Jhunjhunu) (Line- Turnkey)	1423.7	427.11	996.59								120.00	280.00	400							
	<b>Work associated with 220KV GSSs</b>																				
	<b>JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JDENSS-I]</b>																				
34	Lines associated with 220 kV GSS Barli.																				
	(i) LILO of existing 132 kV S/C Jodhpur-PS8 line at Barli	42.20	8.44	33.76								Incl. in 220kV scheme Barli	Incl. in 220kV scheme Barli	Incl. in 220kV scheme Barli							
	(ii) LILO of existing 132 kV CHB-Soorsagar line at Barli	144.97	28.99	115.98																	
	(iii) LILO of existing 132 kV S/C Tinwari-Soorsagar line at 400kV GSS Jodhpur.	514.91	102.98	411.93																	
35	132 kV S/C Karwad/Bhavad-Mathania line (Associated line of 220kV GSS Bhavad)	184.00	36.80	147.20								20.00	80.00	100							
36	Strengthening scheme of existing 132kV Chopasani Housing Board (CHB) GSS																				
	(i) 132 kV D/C Cable system for LILO of existing 132 kV S/C PS8-Jodhpur Line at CHB	3585.80	717.16	2868.64								220	880	1100							

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3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	(ii) 132 kV Terminal Hybrid GIS Bays (4 Incomer/ Outgoing & 1	1338.28	267.66	1070.62																	
	(iii) 132 kV S/C Line along Bypass Road, to interconnect 132kV lines emanating from 220kV Jodhpur GSS towards Pali and PS-8	36.78	7.36	29.42																	
	(iv) Upgradation of existing 132 kV S/C Jodhpur-CHB-Soorsagar	969.47	193.894	775.576																	
	<b>Normal Development Works</b>																				
37	132 kV S/C Gangapurcity (220 kV GSS)- Shrimahavir ji line	427.85	85.57	342.28			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme							
38	LILO of existing 132 kV Salumber - Sagwara line at 220 kV GSS Aspur	206.62	41.32	165.30			0	0	0			20.00	80.00	100							
39	132 kV S/C Tehandesar-Parewara line	183.99	36.80	147.19			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme							
40	(i) 132kV D/C Baithwasia-Osian line	313.85	62.77	251.08			incl. in 220kV	incl. in 220kV	incl. in 220kV			incl. in 220kV	incl. in 220kV	incl. in 220kV							
	(ii) 132kV S/C Baithwasia-Matora line	368.20	73.64	294.56			incl. in 220kV	incl. in 220kV	incl. in 220kV			incl. in 220kV	incl. in 220kV	incl. in 220kV							
41	(i) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Toonga	367.10	73.42	293.68			incl. in 220kV Lalsot	incl. in 220kV Lalsot	incl. in 220kV Lalsot			incl. in 220kV Lalsot	incl. in 220kV Lalsot	incl. in 220kV Lalsot							
	(ii) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Bhadoti	611.84	122.37	489.47																	
42	(i) LILO of existing 132 kV S/C Mokhampura –Amet line at proposed 220 kV GSS Bamantukda	105.35	21.07	84.28			Incl in 220kV Bamantukda	Incl in 220kV Bamantukda	Incl in 220kV Bamantukda			Incl in 220kV Bamantukda	Incl in 220kV Bamantukda	Incl in 220kV Bamantukda							
	(ii) LILO of under construction 132 kV S/C Kankroli(220 kV GSS)-Sapol line at 220 kV GSS Bamantukda	147.05	29.41	117.64																	
43	Interconnections for 400 kV GSS Deedwana (RVPN Scope)		0	0																	
	(i) 132 kV D/C interconnecting line between proposed 400 kV Deedwana GSS and existing 132 kV Deedwana GSS	734.64	146.928	587.712			0	0	0			80	320	400							
	(ii) 2 Nos. bay at 132kV GSS Deedwana																				
44	LILO of existing 132 KV S/C Aau(132 KV GSS)-Phalodi line at proposed 220 KV GSS Aau	154.27	30.85	123.42			Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme			Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme							
45	(i) LILO of existing 132 kV S/C Sayla-Daspan line at proposed 220 kV GSS Sayla	255.63	51.13	204.50			Incl. in 220kV GSS Sayla	Incl. in 220kV GSS Sayla	Incl. in 220kV GSS Sayla			Incl. in 220kV GSS Sayla	Incl. in 220kV GSS Sayla	Incl. in 220kV GSS Sayla							
	(ii) LILO of existing 132 kV S/C Sayla-Jeewana line at proposed 220 kV GSS Sayla	107.16	21.43	85.73																	
46	(i) LILO of 132 kV S/C Beawar-Mertacity line at proposed 220 kV GSS Jethana	255.63	51.13	204.50			Incl. in 220kV GSS Jethana	Incl. in 220kV GSS Jethana	Incl. in 220kV GSS Jethana			Incl. in 220kV GSS Jethana	Incl. in 220kV GSS Jethana	Incl. in 220kV GSS Jethana							
	(ii) LILO of 132 kV S/C Beawar-Nasirabad line at proposed 220 kV GSS Jethana	107.16	21.43	85.73																	
	(iii) 132 kV S/C line from proposed 220 kV GSS Jethana to 132	2026.59	405.32	1621.27																	
47	LILO of 132kV S/C Bassi- Puranaghat line at proposed 220kV GSS Goner.	272.95	54.59	218.36			Incl. in 220kV Goner	Incl. in 220kV Goner	Incl. in 220kV Goner			Incl. in 220kV Goner	Incl. in 220kV Goner	Incl. in 220kV Goner							
48	LILO of 132kV S/C Balawala- Phagi line at proposed 220kV Vatika.	167.97	33.59	134.38			Incl. in 220kV GSS Vatika	Incl. in 220kV GSS Vatika	Incl. in 220kV GSS Vatika			Incl. in 220kV GSS Vatika	Incl. in 220kV GSS Vatika	Incl. in 220kV GSS Vatika							
49	(i) LILO of existing 132 kV Merta-Kuchera line at proposed 220 kV GSS Kuchera	62.76	12.55	50.21			incl. in 220kV	incl. in 220kV	incl. in 220kV			incl. in 220kV	incl. in 220kV	incl. in 220kV							







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3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
75	Upgradation of existing 132 kV S/C Sikar-Laxmangarh-Fatehpur-Ratangarh line (presently with Wolf conductor on H-Pole towers) to ACSR Panther conductor on Lattice type towers (scheme of 220kV Laxmangarh)	1319.42	263.88	1055.53			60	240	300			30	120	150								
76	(i) 132/33 kV, 20/25 MVA GSS Govingarh (Distt. Alwar)	1509.62	452.886	1056.734			150	350	500			15	35	50								
	(ii) 132kV LILO from 132kV Nagar -Ramgarh line up to 132kV GSS Govindgarh																					
77	(i) 132/33 kV, 20/25 MVA GSS Godarli (Distt. Jodhpur)	1622.15	486.645	1135.505			120	280	400			15	35	50								
	(ii) 132kV LILO from 132kV Phalodi - Aau line up to 132kV GSS Godarli																					
	<b>Interconnections for 220 kV GSS Nawalgarh (RVPN Scope)</b>																					
78	132kV D/C Nawalgarh (220kV GSS) - Nawalgarh (132kV GSS) line with 2 Nos. 132kV feeder bays at 132kV GSS Nawalgarh	624.73	124.946	499.784			10	40	50			10	40	50								
79	(i) 132 kV S/C Nawalgarh(220 kV) - Kumawas line	489.43	97.886	391.544																		
	(ii) 1No. 132kV bay at Kumawas.																					
80	(i) 132 kV S/C Nawalgarh(220 kV) - Gudagorji line	653.58	130.716	522.864																		
	(ii) 1No. 132kV bay at Gudagorji																					
81	(i) 132 kV S/C Nawalgarh(220 kV) - Udaipurwati line	598.86	119.772	479.088																		
	(ii) 1No. 132kV bay at Udaipurwati																					
	<b>Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmar, Jodhpur and Bikaner Districts(132kV schemes associated with 220kV GSS's)</b>																					
82	LILO of existing 132 KV S/C PS1-Bajju line at proposed 220 KV GSS PS 1 / Bajju	308.54	61.71	123.42	123.42		Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme			37.02	Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme							
83	LILO of existing 132 KV S/C Chandan-Pokaran line at proposed 220 KV GSS Pokaran	308.54	61.71	123.42	123.42							37.02										
84	LILO of existing 132 KV S/C Kolavat-Bajju line at proposed 220 KV GSS Kolavat (KfW funded scheme)	308.54	61.71	123.42	123.416							37.02										
85	Optical Fibre Cable System for 132kV Schemes already approved under Main Transmission System for New Solar & Wind Power Plants (as per Appendix-II(B) & Smart Grid Applications. (ADB)																					
	(i) 132kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 22km)	141.83	28.37	113.46			Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme				Incl in 220kV scheme	Incl in 220kV scheme	Incl in 220kV scheme							
	<b>Normal Development works</b>																					
86	(i) 132/33kV, 20/25MVA GSS at Tibbi (Hanumangarh)	1223.28	366.98	856.30			30	70	100			18	42	60								
	(ii) 132kV S/C Amarpura Theri(Hanumangarh)-Tibbi line	173.50	52.05	121.45																		
	(iii) 1 No. 132kV bay at 132kV GSS Amarpura Their	59.83	17.95	41.88																		
87	(i) 132/33 kV, 2x50 MVA GIS Sub-station at City Power House, Hathibhata, Ajmer (Distt. Ajmer)	5043.07	1512.92	3530.149			60	140	200			15	35	50								
	(ii) 132kV S/C XLPE Cable between 132kV GSS Pushkar Road (Kotada) - City Power House (GIS)	3209.8	962.94	2246.86																		
	(iii) 132kV D/C XLPE Cable between 220/132kV GSS Madar - City Power House (GIS)	6454.65	1936.4	4518.255																		
88	LILO of 132 kV Alwar-Bansur line with 132 kV GSS at Vijay Mandir, Alwar City(Alwar)	1426.49	427.947	998.543			15	35	50			6	14	20								









S.No.	Name of the Work/Project	Total cost of scheme/works (lacs of Rs.)	(Source of Funding)																	Remarks	
			total cost to be funded by				Expenses(Provision) funded during current year (2015-16) by					Expenses(Provision) funded during previous year (2014-15) by					Expenses funded upto previous year (2014-15) by				
			equity	debt Tentative	user's contribution	grants# /subsidy	equity	debt Tentative	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	Provision (plan)	user's contribution	grants/ subsidy	equity	debt	user's contribution		grants / subsidy
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
<b>C</b>	<b>Deposit work</b>																				
1	33KV Bay work at 220kV GSS Boranada														7.79						
2	Construction of 220kV D/C Electrical Railway line and feeder Bay at RVPN 220kV GSS Pali														2477.38						
3	shifting work fo 220kV STPS-RTGH line														436.71						
4	Shifting of 220kV D/C Slipura- Bhawad line														111.46						
5	1 Nos. 33kV Bayat 400kV GSS Barmer for MES Jalipa														10.75						
6	Construction of 220kV S/C line from 400kV GSS Barmer (30 km with 3 km D/C Tower both end) to MP/T of M/s. Cairn India Limited.														747.23						
7	Construction of 1 Nos. 220kV Bay at 400kV GSS Barmer of M/s. Cairn India Ltd.																				
8	1 Nos. 33kV Bay at 132kV GSS Sheo for M/s. Rajwest														22.67						
9	33kV Bay at 220kV GSS, Chambal														13.85						
10	33kV Bayat 220kV GSS, Mansarover														22.77						
11	Raising work of 132kV S/C Bundi-Hindoli line from Loc. 9 to 11.														21.93						
12	Shifting work fo 132kV S/C Kota-Deoli Manijhi line Lc. 179 B to 182 B														34.76						
13	Construction of 1 No. 132kV Bay at 220kV GSS Bhiwadi for M/s. OCL Iron & Steel Ltd. I/A, Kaharani, Bhiwadi.														29.13						
14	Construction of 1 No.33kV Bay at 132kV GSS, Thanagazi to M/s. Kamal Industries, Thanagazi.														8.06						
15	Construction work of 1 No. 33kV Bay for M/s. Ratanawali Instraucere Pvt. Ltd., at 132kV GSS, Phagi														16.36						
16	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Bajor														12.74						
17	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Gulabpura														17.92						
18	Modification of 132kV S/C Sikar-Ranoli Line at Palsana-Ladana Road.														14.53						
19	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Tirlokpura														24.04						
20	Modification of 132kV S/C Sikar-Ranoli Line at Palsana-Sawapura Road.														28.47						
21	Modification of 132kV S/C Sikar-Ranoli line at Sikar-Jaipur Road at Gorivan.														20.20						
22	Construction of 2 Nos. of 33kV O/G Bayat 132kV GSS Pratapgarh for M/s. Welspurm Renewable Energy Gneratio (Pvt.) Ltd., Pratapgarh														55.00						
23	Modification of 132kV Nimbahera Mangalwas Line														19.00						
24	Modification of 132kV Nimahera Choti Sadari Line.														6.00						
	<b>Total C</b>														<b>4158.75</b>						

**RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.**  
**Investment Proposals for the Financial Year 2015-16**  
**(Abstract of Physical & Financial Targets & Achievements)**

S.No.	Particulars	Upto Previous year (Rs. in lacs)				During previous year (2014-15 provision) (Rs. in lacs)				Proposed for Current year (2015-16 provision) (Rs. In lacs)			
		Equity	Debt	Grants/ subsidy/ user's contn.	Total	Equity	debt	Grants/ subsidy/ user's contn.	Total	Equity	debt	Grants/ subsidy / user's contn.	Total
1	Power evacuation schemes/ works					18215	71070		89285	29095	74089	12220	115404
2	Loss reduction schemes/ works.												
3	System Improvement/ stability/reliability schemes/ works					13543	44977		58520	22094	50582	1130	73806
4	Rural electrification schemes/ works												
5	Consumers servicing schemes/ works												
6	Works/ schemes related to supply to consumers												
7	Load despatch/ SCADA/ communication schemes/ works					600	1400		2000	1110	2590		3700
8	Metering schemes												
9	Reactive compensation schemes/ works (Capacitor Bank)					300	700		1000	300	700		1000
10	Institutional strengthening												
11	Project preparation and Preliminary works.												
12	Augmentation					6660	15540		22200	8790	20510		29300
13	Bus Bar Protection					300	700		1000	300	700		1000
14	Carried Over Liabilities					280	1120		1400	400	1600		2000
15	RMU of equipments & protection schemes of RVPN (Scheme -II & III, PLCC stage-I)					353	1412		1765	332	1328		1660
16	Unidentified Schemes					300	700		1000	900	2100		3000
17	Air Conditioning of Control Rooms					60	140		200	60	140		200
18	IT, ERP & IMIS					339	791		1130	339	791		1130
19	Capital works (to be allocated by CCOA)					450	1050		1500	450	1050		1500
20	Scheme of Renovation and Up-gradation of all RVPN substations of 220kV and 400kV to rectify protection related deficiencies (PSDF funding)					0	0		0	430		3870	4300
	<b>Total Transmission</b>					<b>41400</b>	<b>139600</b>		<b>181000</b>	<b>64600</b>	<b>156180</b>	<b>17220</b>	<b>238000</b>
21	User's Contribution Schemes (Deposit Works)							4158.75	4158.75				
<b>B.</b>	<b>Physical targets</b>	Up to previous year as on 31.3.14		During previous year (2014-15) (Target)		Proposed for current year (2015-16)							
1	Generation capacity	MW		MW		MW							
2	Transmission/ distribution lines	ckt.kMs.	Av.cost/kM.	ckt.kMs.	Av.cost/kM. (Rs. In lacs)	ckt.kMs.	Av.cost /kM.						
(a)	765kV lines	426		-	154.05*	-							
(b)	400kV lines	3278		300	66.94*	580							
(c)	220kV lines	12235		1000	26.66*	545							
(d)	132kV lines	15154		600	16.83*	600							
(e)	33kV lines												

		Upto previous year as on 31.3.14		During previous year (2014-15) (Target)			Proposed for current year (2015-16)		
C. Sub stations	Nos.	Transformer Capacity(MVA)		Nos.	Transformer Capacity(MVA)		Nos.	Transformer Capacity(MVA)	
					New	Aug.		New	Aug.
(a) 765kV				2	3000		-	4500	
(b) 400kV	9	5475		1	315	2150	1	945	1500
(c) 220kV	93	19815		8	920		6	900	
(d) 132kV	360	23197		20	600		16	475	
(e) 33kV									
(f) 11kV									
D. Reactive compensation, MVAR	MVAR	Av.cost		MVAR	Av.cost		MVAR	Av.cost	
1 Shunt Reactor									
(a) at 765kV S/S	-			480			-		
(b) at 400kV S/S	1076			305			650		
(c) at 220kV S/S	60			-					
(d) at other S/S	-			-					
2 Shunt capacitors									
(a) At 400kV S/S	-			-					
(b) At 220kV S/S									
(c) At 132kV S/S	4182.51			250	20.7 lacs		150		
(d) At 33kV S/S	973.95				/5.43MVAR				
(e) At 11kV S/S									
(f) At LT S/S									
3 Series capacitors (specify details)									
4 Dynamic compensation (specify details)									
		upto prev. year (31.3.14)		During prev. year (2014-15)		for current year (2015-16)			
E. Meters	No.	Av.cost/ Meter (Rs.)		No.	Av.cost/ Meter (Rs.)		No.	Av.cost/ Meter (Rs.)	
1 ABT complaint	218	26488.50		371	100000.00		37	110000.00	
2 HT meters (class 0.5s)	2447	7106.66		nil	-		nil	-	
3 HT meters (class 0.2s)	723	21319.96		4000	25000.00		400	27000.00	
4 3 phase trivector	nil	-		nil	-		nil	-	
5 3 phase LT	nil	-		nil	-		nil	-	
6 1 phase LT	nil	-		nil	-		nil	-	
F. Release of Service connections (tariff category wise)									
Note - 1. * Estimated cost of S/C line has been indicated and in case of 400kV line, cost with Twin moose Conductor has been indicated.									



**RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.**  
**Investment Proposals for the Financial Year 2015-16**

**(Calculations of overall cost of Transmission with and without approval of Investment Plan)**

Transmission	Year	Charge per KW per month (in Rs.)	
	2014-15	148.91	As per RERC order dt. 09.10.2014
	2015-16 (Proposed)		Petition being filed

**RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.**  
**Transmission Schemes to be taken up through Private Sector Participation**

Sr. No.	Particulars of work	Name of SPV	Estimated cost (Rs. in lacs.)	Line length (ckt.km)	Capacity (in MVA)	Date of approval by State Level Empowered Committee	Commissioning Schedule / CoD (likely)	Remarks
1	2	3	4	5	6	7	8	9
	<b>Scheme - I</b>							
(a)	<b>PPP-1 Scheme of 400kV GSS at Deedwana:</b>							
1	400/220kV, Grid Sub-Station at Deedwana with 1x100MVA, 220/132kV Transformer	Maru Transmission Service Co. Ltd.	11491.59		2X315	16.1.09		M/S Maru Transmission Service Co. Ltd. handed over to successful bidder M/S GMR Energy Ltd. on 15.2.11. Transmission licence has been granted by RERC. Tariff adoption has been done by RERC. The work has been completed and connection agreement between M/s. MTSCCL & RVPN executed on 4.12.13. CoD not declared by Discoms as work of 400kV GSS Ajmer not completed by RVPN.
2	400kV S/C Bikaner-Deedwana line		8465.32	145		16.1.09		
3	400kV S/C Ajmer-Deedwana line		6605.32	110		16.1.09		
4	220kV D/C Sujangarh-Deedwana line		1849.58	80		16.1.09		
(b)	<b>PPP-2 Scheme of 400kV GSS at Alwar :</b>							
1	400/220kV, Grid Sub-Station at Alwar	Aravali Transmission Service Co. Ltd.	10100.74		2X315	16.1.09	2014-15	M/S Aravali Transmission Service Co. Ltd. handed over on 19.1.11 to successful bidder i.e M/S GMR Energy Ltd. Tariff adoption has been done by RERC. Transmission licence has been granted by RERC. Work is under full swing. CoD declared by Discoms as 23.8.2014.
2	400kV S/C Hindaun-Alwar line		8731.03	150		16.1.09	2014-15	
(c)	<b>PPP-3 Scheme of 220kV GSS at Nawalgarh :</b>							
1	220/132kV, GSS at Nawalgarh	Shekhawati Transmission Service Co. Ltd.	3627.83		100	16.1.09	2014-15	M/S STSCL handed over on 1.2.13 to successful bidder M/s. EMCO Ltd. and Share Purchase Agreement (SPA) & Transmission Service Agreement (TSA) have been executed. Transmission licence has been granted by RERC. Tariff adoption has also been accepted by RERC. Work under progress.
2	220kV S/C Sikar(400kV GSS)-Nawalgarh line			20		16.1.09	2014-15	
3	220kV S/C Nawalgarh-Jhunjhunu line			40		16.1.09	2014-15	
	<b>Total Scheme -I</b>		<b>50871.41</b>					

Sr. No.	Particulars of work	Name of SPV	Estimated cost (Rs. in lacs.)	Line length (ckt.kM)	Capacity (in MVA)	Date of approval by State Level Empowered Committee	Commissioning Schedule / CoD (likely)	Remarks
1	2	3	4	5	6	7	8	9
	<b>Scheme - II</b>							
1	<b>PPP-4</b> 400 kV D/C Babai (Jhunjhunu)- Jaipur (North) (Twin Moose) Line alongwith 400/220kV GSS at Jaipur (North)	Pink City Transmission Service Co. Ltd.	22180.10	260	2X315	10.9.2010		LoI placed on 12.7.13 which was cancelled on 4.7.2014. Now the project is takenup through VGF. M/s. TATA consulting Engineers Ltd. (TCEL) have been appointed as Technical Consultant to prepare Feasibility report.
2	<b>PPP-5:</b> 400 kV D/C Jodhpur(New) -Udaipur(Twin Moose) Line alongwith 400/220kV, GSS at Udaipur	Lake City Transmission Service Co. Ltd.	37953.39	490	2X315	10.9.2010		LoI placed on 12.7.13 which was cancelled on 4.7.2014. M/s EMCO- CSPPL has represented to revoke cancellation of LoI , which is under cosideration of RVPN.
3	<b>PPP-6:</b> 400 kV D/C Bikaner - Sikar (Twin Moose) line.		26000.00	169	-	-	-	M/s. TECL in association with M/s. PWC Pvt. Ltd. Appointed as project consultant. RFP issued to pre-qualified bidders on 30.9.2014. Petition in RERC filed for approval of Unitary Charges on dr. 5.9.2014. Approval for in-principal approval of VGF submitted in Deptt. of Economic Affairs, MoF, GoI & GoR on dt. 8.9.2014.
4	<b>PPP-7:</b> 400 kV D/C Suratgarh TPS - Bikaner (Twin Moose) line.		24000.00	170				M/s. TATA consulting Engineers Ltd. (TCEL) have been appointed as Technical Consultant to prepare Feasibility report.
	<b>Total Scheme -II</b>		<b>110133.49</b>					
	<b>Grand Total (I+II)</b>		<b>161004.90</b>					