

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
Registered Office: Vidyut Bhawan, Janpath, Jaipur, Rajasthan (India)
OFFICE OF THE SUPERINTENDING ENGINEER (NPP&R)
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No. RVPN/SE (NPP&R)/ XEN (NPP-4) /F-317/D. **463** Dated: **31.7.2014**

The Secretary,
Rajasthan Electricity Regulatory Commission,
Vidyut Viniyamak Bhawan,
Near State Motor Garage,
Sahakar Marg, Jaipur-302001.

Sub: Revised petition for approval of Investment Plan for FY 2014-15.

Dear Sir,

Kindly find enclosed herewith revised petition of Rajasthan Rajya Vidyut Prasaran Nigam Limited for the approval of Investment Plan for FY 2014-15 in reference to earlier filed petition No. RERC/437/14. The petition consists of the following documents:

1. Affidavit verifying the application on non-judicial stamp paper worth Rs. 10/-
2. Investment Plan petition inclusive of prescribed forms.

Encl: As above in one plus six copies

SD/-
(M.L. Gupta)
Superintending Engineer (NPP&R)
For Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Jaipur.

BEFORE THE RAJASTHAN ELECTRICITY REGULATORY COMMISSION

Petition No.RERC/ 437/14

IN THE MATTER OF

Revised petition under Section 04 of the RERC (Investment Approval) Regulation 2006 and in the matter of Investment Plan of RVPN for the year 2014-15.

Petitioner Rajasthan Rajya Vidyut Prasaran Nigam Limited,
Vidyut Bhawan, Janpath,
Jaipur -302005

Respondents Jaipur Vidyut Vitran Nigam Limited,
Vidyut Bhawan, Janpath,
Jaipur -302005

Ajmer Vidyut Vitran Nigam Limited,
Power House, Hathi Bhata,
Ajmer

Jodhpur Vidyut Vitran Nigam Limited,
New Power House,
Jodhpur

Rajasthan Vidyut Utpadan Nigam Limited,
Vidyut Bhawan, Janpath,
Jaipur -302005

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REVISED

TRANSMISSION INVESTMENT PROPOSAL

FOR

THE YEAR 2014-15

FOR Rs. 1810.00 crore

WRITEUP ON INVESTMENT PROPOSAL FOR THE YEAR 2014-15

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 schemes, IT/Softwares 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. 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 PFC, ADB, NABARD, NCRPB, REC 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 also 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 and 132kV schemes are completed in 1-2 years.

4. INVESTMENT DURING 2013-14

As per outlay intimated/ approved by Planning Department, Govt. of Rajasthan an investment of Rs.2550 crore was proposed during 2013-14 by RVPN and accordingly a petition for Investment Plan for 2013-14 was submitted in RERC. RERC vide order dated 11.12.2013 have allowed investment during the year 2013-14 for envisaged transmission Investment Plan up to Rs. 2150.00 crore only and this approval does not include Rs. 20.00 crore sought for Generation (shared projects). Against, the approved investment of Rs. 2150.00 crore by RERC during 2013-14 an expenditure of Rs. 1626.83 crore was incurred by RVPN during 2013-14 for transmission works. The physical achievements during 2013-14 are as follows:

S. No.	Works	Unit	Target 2013-14 (Revised)	Achievement during 2013-14
1	Transmission :			
	(i) 765kV Lines	kM.	426	425.498
	(ii) 400 kV Lines	kM	425	259.350
	(iv) 400 kV Substations	MVA/Nos	630/2	-
	(v) 220 kV Lines	kM	550	430.369
	(vi) 220 kV Substations	MVA/Nos	920/8	1200/7
	(vii) 132 kV Lines	kM	425	373.244
	(viii) 132 kV Substations	MVA/Nos	550/20	587.5/18
2	Augmentation :	MVA	1800	2949
3	Capacitors	MVAR	75	81.45

5. INVESTMENT DURING 2014-15 (Revised)

Outlays / Investment:- Looking to the requirement of transmission system for evacuation of power from forthcoming 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 had requested an outlay of Rs.2450 Crores (Rs.2430 crore for transmission works + Rs. 20 crore for Shared Generation Projects) to the State Govt. for 2014-15. The Planning Department, Govt. of Rajasthan vide letter No.F.10(20) Plan / Gr.V/2013 dated 24.12.2013 have intimated the outlays for RVPN as under:

		Rs. in Crores
(i) Proposed outlay 2014-15	-	490.00
(ii).IEBR	-	1960.00
Total	-	2450.00

Later on, RVPN have reviewed and re-assessed the outlay and physical targets for FY 2014-15, based on the physical progress of the various EHV works and requirement of evacuation schemes. The provision during 2014-15 for various schemes have been revised as per their progress/ field conditions, whereas the number of schemes and their technical details remain the same as mentioned in the earlier Investment Plan petition No. RERC/437/14. Accordingly, the revised outlays for RVPN during 2014-15 have been re-assessed as per the following:

(Rs.in crores)			
S. No.	Head	Outlay (Proposed in petition No. 437/14) for FY 2014-15	Revised Outlays proposed for FY 2014-15 (Tentative)
1	Transmission works	2430.00	1810.00
	Total	2430.00	1810.00

The above outlay will be utilised for investment mainly for execution of evacuation schemes of forthcoming generation projects (i) Chhabra Super Critical TPS (2x660 MW) and Kalisindh TPS (2x600 MW), (ii) Suratgarh Super critical TPS (2x660 MW) (iii) Kawai Super Critical TPS (2x660 MW) and (iv) Ramgarh Combined Cycle Gas based TPS (Stage-III, 160 MW) (v) New Solar and Wind Power evacuation system in Jaisalmer, Jodhpur, Bikaner, Barmer & Banswara and system strengthening schemes, augmentation works and other allied works.

The work of 400kV and 220kV lines and 765kV, 400kV and 220kV GSSs related to above generation projects are under execution. Works of 765kV GSS at Anta & Phagi are also under execution. Besides above several new works related to forthcoming generation projects / system strengthening schemes are likely to start in 2014-15.

The Regulatory Commission while issuing approval of the Investment Plan for the year 2013-14 vide its order dt. 11.12.2013 has not examined the investment for the shared generating projects with the mention that the same would fall in the purview of the CERC. Accordingly, in the present Investment Plan of RVPN for the year 2014-15, Rs. 20.00 crore for Shared Generation Projects has not been included. Thus, RVPN's Investment Plan for transmission works during

2014-15 would be of Rs. 1810.00 crore; however Rs. 20 crore investments would be made for shared generating projects for which appropriate action shall be taken as per Commission's directions.

Resources:- The details of tentative resources for financing the above investment of Rs. 1830.00 crores are as under:

S. No.	Particulars	Amount (Rs.in Crores)
1	Bonds	700.00
2	Asian Development Bank (ADB)	164.00
3	REC	500.00
4	PFC/Commercial Banks/ NCRPB / NABARD/ADB etc.	100.00
5	State Govt. Equity	366.00
Total		1830.00

TRANSMISSION

PHYSICAL TARGETS

Under transmission works, the following physical targets are proposed to be undertaken during 2014-15 -:

S. No.	Works	Unit	Target (Proposed in petition No. 437/14) for FY 2014-15	Target 2014-15 (Revised)
i.	Transmission:			
	-765 kV Substations	MVA	3000	3000
	-765 kV Substations	Nos.	2	2
	- 400 kV Lines	ckMs.	750	300
	- 400 kV Substations	MVA	1260	315
	- 400 kV Substations	Nos.	1	1
	- 220 kV Lines	ckMs.	750	1000
	- 220 kV Substations	MVA	920	920
	- 220kV Substations	Nos..	8	8
	- 132 kV Lines	ckMs.	425	600
	- 132 kV Substations	MVA	575	600
	- 132 kV Substations	Nos..	20	20
ii	Augmentation	MVA	1500	2150
iii	Capacitor Banks	MVAR	150	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 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 column no 6 & 7 of Form No.2 of Investment Plan. Detailed Project Reports of these EHV schemes (costing more than Rs. 10 Crores) incorporating the Load Flow Study, Justification etc. is being regularly 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 2014-15 (Revised): -

With reference to the Investment Approval Regulation 2006 Clause No. 9.E(b), the revised capital expenditure proposed during financial year 2014-15 under various categories are as under :-

S. No.	Schemes	Investment/ Provision (Revised)	% of Total Investment of Rs.1810.00 crore for Transmission	Ceiling limit of outlay
1	Evacuation Schemes and Strategic Importance Schemes	86835	47.98	60%
2	Schemes based on cost benefit Analysis	42455	23.46	60%
3	On-going schemes and carried over liabilities	14615	8.07	10%
4	Capacitors installation	1000	0.55	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 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 2014-15 of RVPN are approved by TSPCC.

RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.
Investment Proposals for the Financial Year 2014-15(Revised)
(Revised Physical & Financial Targets & Achievement)

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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
A	Approved Scheme									
	I. ON GOING SCHEMES									
	I 765kV SCHEMES									
	Composite Power Evacuation System {Chhabra Super Critical TPS (2x660MW) & Kalisindh TPS (2x600 MW)}									
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	3000	15000	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	3000	20600	
3	765 kV, 1X S/C Anta- Phagi(Jaipur South) ckt - I	34080.79	2010-11	25.3.14	N.A.	N.A.			250	
4	765 kV, 1 X S/C Phagi(Jaipur South)- Anta ckt -II	34080.79	2010-11	4.1.14	N.A.	N.A.				
	Evacuation system for Kawai Super Critical TPS (2x660MW)									
5	Additional 1x1500 MVA, 765/400 kV transformer (3rd transformer) at 765/400 kV pooling station Anta (Baran)	16161.12	2010-11	2014-15	N.A.	N.A.	MVA	1500	Incl in I.2	To evacuate power from Kawai Super Critical TPS
	II 400kV Schemes									
	Composite Evacuation System [Chhabra Super Critical TPS (2x660MW) and Kalisindh TPS (2x600 MW)]									
1	400/220 kV GSS at Ajmer	12334.01	2010-11	2015-16	N.A.	N.A.			2600	This scheme is primarily formed to evacuate power from Chhabra Super Critical TPS and Kalisindh TPS
2	Terminal 400 kV Bays at existing 400 kV Substation at Heerapura	996.09	2010-11	2015-16	N.A.	N.A.				
3	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.			50	
4	400 kV D/C (Quad Moose) Chhabra SCTPS - Anta(Baran) Pooling Station Line (For Chhabra TPS)	24632.16	2010-11	2014-15	N.A.	N.A.	kM	179	200	
5	400 kV D/C (Twin Moose) Phagi (Jaipur 765 kV)-Ajmer Line	11603.74	2010-11	2015-16	N.A.	N.A.			2000	
6	400 kV D/C Phagi (Jaipur) - Heerapura line	3716.19	2010-11	2015-16	N.A.	N.A.				
	Power Evacuation of Banswara Super Critical TPS									
7	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.			700	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	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	2014-15	N.A.	N.A.	MVA	315	300	
9	Terminal 400 kV Bays at existing 400kV Substation Bhilwar:	2440.86	2010-11	2014-15	N.A.	N.A.				
	400kV Interconnecting Lines (Banswara Evacuation) :									
10	400 kV D/C Chittorgarh-Bhilwara (Twin Moose) Line (Under normal development	4644.14	2011-12	2014-15	N.A.	N.A.	kM	100	2500	
11	400 kV D/C Bhilwara-Ajmer (Twin Moose) Line	13923.6	2012-13	2015-16	N.A.	N.A.			3000	
12	LILO of 400kV Jodhpur -Merta line at 400 kV GSS Jodhpur(New)	3716.19	2012-13	2015-16	N.A.	N.A.			1100	

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	Power Evacuation Scheme of Suratgarh Super Critical TPS									
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	2015-16	N.A.	N.A.			1600	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 Mercacity 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.				
16	400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :									
17	400 kV D/C Suratgarh TPS- Babai (Jhunjhunu)(Quad Moose) Line	43576.58	2010-11	2015-16	N.A.	N.A.			5200	
18	400 kV S/C Bikaner- Merta (Twin Moose) Line	11899.74	2011-12	2014-15	N.A.	N.A.	kM	172	2000	
	Evacuation system for Kawai Super Critical TPS (2x660MW)									
19	(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		50	This scheme is primarily 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	
	Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur Districts									
20	400/220 kV, 3 X 500 MVA and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 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	30820.43	2011-12	2016-17	N.A.	N.A.			1300	This scheme is formed to evacuate power from new solar and wind power plants in Jaisalmer, Barmer, Jodhpur Districts.
21	400/220 kV, 3 X 315 MVA and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 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	33616.41	2011-12	2016-17	N.A.	N.A.			1300	
22	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. (ADB TR-1)	8832.48	2011-12	2015-16	N.A.	N.A.			100	
23	Augmentation of 400kV GSS Jodhpur (New)									
	(i) 2x50 MVAR, 400kV Shunt Reactor (line type) at 400kV GSS Jodhpur (New) for 400kV D/C Akal-Jodhpur(New) line	3701.39	2011-12	2016-17	N.A.	N.A.			-	Incl in 400 kV GSS Jodhpur (New)
	(ii) 400kV bays at Jodhpur (New) for LILO of one ckt. of 400kV D/C Raj West LTPS-Jodhpur line.		2011-12	2016-17	N.A.	N.A.			-	
24	Augmentation at 400kV GSS Barmer									
	(i) 1x125 MVAR, 400kV Shunt Reactor (Bus type) at 400kV GSS Barmer	3177.51	2011-12	2015-16	N.A.	N.A.			100	
	(ii) 400kV bays for 400kV D/C Barmer-Bhinmal (PG) line		2011-12	2015-16	N.A.	N.A.				
25	Augmentation at 400kV GSS Bikaner									
	(i) 1x125 MVAR, 400kV Bus Reactor at 400kV GSS Bikaner GSS		2011-12	2015-16	N.A.	N.A.			-	100
	(ii) 400kV Bays for 400kV D/C Bhadla-Bikaner line and 400kV D/C Bikaner-Sikar (PGCIL) line at Bikaner end of the lines	4968.21	2011-12	2015-16	N.A.	N.A.			-	
26	400kV Interconnecting Lines (New Solar & Wind Plants) :									
	(i) 400 kV D/C Ramgarh(Jaisalmer)-Akal (Jaisalmer) line (Twin Moose)	9931.72	2012-13	2016-17	N.A.	N.A.			-	300
	(ii) 400 kV D/C Ramgarh-Bhadla line (Twin Moose)	17873.13	2012-13	2015-16	N.A.	N.A.			-	3500
	(iii) 400 kV D/C Bhadla-Bikaner line (Quad Moose)	42589.27	2012-13	2015-16	N.A.	N.A.			-	6500
	(iv) 400 kV D/C line from 400/220kV Pooling Station Bhadla to LILO point at 400kV S/C Jodhpur-Merta line (Twin Moose)	15887.78	2012-13	2016-17	N.A.	N.A.			-	200

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(v) 400 kV D/C Barmer-Bhinmal (PGCIL) line (Twin Moose)	13902.43	2012-13	2016-17	N.A.	N.A.		-	100	
	(vi) LILO of one circuit of 400kV D/C Raj West-Jodhpur line at 400kV GSS Jodhpur (New) (Twin Moose)	4968.34	2012-13	2015-16	N.A.	N.A.		-	3500	
27	Inter-connect RVPN's 765/400 kV Anta GSS to PGCIL's 400/220 kV Kota GSS									
	(i) LILO of 2 nd circuit of 400 kV D/C Chhabra TPS-Dahra section at 765/400 kV Anta GSS	92.65	2012-13	2015-16	N.A.	N.A.			300	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	2015-16	N.A.	N.A.				
	(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	2015-16	N.A.	N.A.				
28	400 kV GSS Deedwana (RVPN Scope)									
	(i) 1 No. 400kV bay at 400kV GSS Bikaner (For termination of 400kV S/C Bikaner - Deedwana line at Bikaner end)	1849.58	2011-12	2014-15	N.A.	N.A.			200	The provide stability to evacuation system of STPS and avoid overloading of lines (System Strengthening)
	(ii) 1 No. 400kV bay at 400kV GSS Ajmer (For termination of 400kV S/C Ajmer - Deedwana line at Ajmer end)		2011-12	2014-15	N.A.	N.A.				
29	400 kV GSS Alwar (RVPN Scope)									
	(i) 1 No. 400kV bay at 400kV GSS Hindaun (For termination of 400kV S/C Hindaun - Alwar line at Hindaun end)	1346.62	2011-12	2014-15	N.A.	N.A.			200	System Strengthening Scheme to provide stability to evacuation system of Chhabra TPS and to meet load growth in NCR region
III	220kV SCHEMES									
	Normal development works									
1	Jaipur City EHV network strengthening scheme-1									
(a)	220/132kV, 2x160 MVA capacity GIS Substation at Mansarovar (Jaipur) alongwith associated lines and allied works									
i.	220 kV GIS Substation at existing 132 kV Substation at Mansarovar (Jaipur)	7476.20	2010-11	17.8.13	NA	NA		-	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 D/C Line to 220 kV D/C Lines Between 220 kV Sanganer to 220 kV Mansarovar	723.52	2010-11	17.8.13	NA	NA		-		
iii.	2 Nos. 220 kV Terminal Bays at 220 kV Substation at Sanganer	236.83	2010-11	2014-15	NA	NA				
iv.	(a) 220 kV S/C Tapping Line on Tubular Pole/Narrow base Tower (1.5 Km), 220 kV D/C Composite Portion on Tubular Pole/ Narrow base Tower (2 Km) by conversion of existing 132 kV S/C Heerapura-Sanganer Line & 220 kV XLPE Cable S/C (2.5 Km) from Tapping Point. (LILO of Sanganer- Heerapura line for Mansarovar)	4387.28	2010-11	31.5.12/12.9.13	NA	NA		-		
	(b) 220 kV XLPE Cable S/C from Tapping Point.		2010-11	17.8.13/12.9.13	NA	NA		-		
v.	1 Nos. 220 kV Terminal Bays at 400 or 220 kV Substation at Heerapura	118.41	2010-11	2014-15	NA	NA				
vi.	132 kV Terminal Bay at existing 132 kV Substation at Chambal	59.54	2010-11	2014-15	NA	NA				
(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	2014-15	NA	NA	MVA	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	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				
(c)	Up-gradation of existing 132 kV Line									
i.	Up-gradation of existing 132 kV D/C Line to 220 kV D/C Lines (to be charged on 132 kV for present) between 132 kV Kunda-Ki- Dhani to 132 kV Purana Ghat	789.51	2010-11	2016-17	NA	NA			-	
	Power Evacuation System of Ramgarh GTPS (Stage-III) :									
2	(i) 220 kV D/C Ramgarh GTPP- Chandan line	4327.54	2010-11	2014-15	NA	NA	kM	194	600	This scheme is formed to evacuate power from

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(ii) 220 kV D/C Chandan - Dechu line	4327.54	2010-11	2014-15	NA	NA	kM	203		Ramgarh GTPS Stage-III
	Normal development works									
3	LILO of 220 kV Debari - Banswara line for 220 kV Madri with 220 kV GSS at Madri (Udaipur)	3412.72	2008-09	21.4.14	-914.59	-1260.78	kM/MVA	-/100	50	
4	220 kV D/C line to connect the LILO of 220 kV S/C Heerapura-Khetri line(second ckt.) to LILO of one ckt. of 220 kV D/C Neemrana- Kotputli line(116.822 ckM commissioned in 2012-13)	2004.65	2010-11	15.7.13	NA	NA		-	-	System strengthening
5	220 kV GSS at Bundi (New location) (Distt. Bundi)	3143.42	2010-11	6.11.12	-1546.17	-2153.32		-	-	System Strengthening & Load Catering scheme to reduce transmission lossess (10.97 LU) and to reduce the overloading of nearby lines.
6	220 kV GSS at Gajner (New location) (Distt. Bikaner)	3430.74	2010-11	22.1.13	-1693.73	-2227.11		-	-	System Strengthening & Load Catering scheme to reduce transmission lossess (10.97 LU) and to reduce the overloading of nearby lines.
7	(i) 220 kV GSS at Manoharpur (Upgradation) (Distt. Jaipur)	2758.31	2010-11	28.2.13	-205.79	165.77		-	200	System Strengthening & Load Catering scheme to reduce transmission lossess (132.82 LU).To reduce the overloading and create ring main system.
	(ii) 220 kV D/C Kotputli-Manoharpur line	2001.28	2010-11	26.2.13	-205.79	165.77		-		
8	(i) 220 GSS at Gangapurcity (New location) (Distt. Sawai Madhopur)	3610.37	2010-11	21.2.14	-444.25	-145		-	200	System Strengthening & Load Catering scheme.Reduction in transmission lossess (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		-		
9	220/132kV GSS at Nadbai (Upgradation) (Distt. Bhartpur)	2107.49	2011-12	25.11.12	9.2	232.09		-	-	Loss Reduction & System Strengthening Scheme .Reduction in transmission lossess (63.58 LU) and to provide redundancy to cater load growth in nearby area.
10	(i) 220/132kV GSS at Tehandesar (Upgradation) (Distt. Churu)	2246.70	2011-12	2014-15	313.7	830.79	MVA	100	500	Loss Reduction & System Strengthening Scheme. Reduction in transmission lossess (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		
11	(i) 220/132kV GSS at Badnu (Upgradation) (Distt. Bikaner)	2388.21	2011-12	6.5.14	591.11	1351.92	MVA	160	300	
	(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		
	(iii) 220kV S/C Tehandesar -Badnu line	797.87	2011-12	2014-15			kM	33		
12	(i) 220/132kV, 1x100 MVA GSS at Sikrai (Upgradation) (Distt. Dausa)	1976.41	2010-11	16.10.12	907.93	1689.07	MVA		-	Loss Reduction & System Strengthening Scheme .Reduction in transmission lossess (116.56 LU) and to create redundancy and meetout future load growth.

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
13	220/132kV GSS at Hamirgarh (UPG) (Distt. Bhilwara)	2335.92	2011-12	31.3.13	-1443.4	-2079.2	MVA		-	Loss Reduction & System Strengthening Scheme . Reduction in transmission losses (74.17 LU) and to cater load of Hamirgarh Industrial Area
14	(i) 220/132kV GSS at Lalsot (Distt. Dausa)	2430.96	2011-12	11.1.14	-1339.05	-1826.96			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.
	(ii) 1 No bay at 132kV GSS Toonga		2011-12							
	(iii) 1 No bay at 220kV GSS Bhadoti		2011-12							
	(iv) LILO of 220 kV S/C Dausa-Anta line at 220 kV GSS Lalsot	342.65	2011-12	13.11.13						
15	(i) 220 kV S/C Sirohi- Pindwara line	736.38	2011-12	2015-16	1.72	72.03			200	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							
16	(i) 220kV GSS at Bamantukda (Distt. Rajsamand)	3273.50	2011-12	2014-15	-1309.27	-1751.61	MVA	100	1000	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/MVA	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						
	Composite Power Evacuation System [Chhabra Super Critical TPS(2x660MW) and Kalisindh TPS (2x600 MW)]									
17	LILO 220kV Ajmer-Beawar Line at 400kV Ajmer GSS	408.5	2010-11	2015-16	NA	NA			100	This scheme is primarily formed to evacuate power from Chhabra Super Critical TPS and Kalisindh TPS
18	LILO 220kV Ajmer-Kishangarh Line at 400kV Ajmer GSS	408.5	2010-11	2015-16	NA	NA				
	Power Evacuation System of Banswara Super Critical TPS (2x660 MW)									
19	220kV Interconnecting Lines at Udaipur:									This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS
	(i) LILO of Amberi(Prop 220 kV GSS)-Debari line at proposed 400 kV GSS Udaipur.	2043.68	2012-13	2016-17	NA	NA			100	
	(ii) LILO of Chittorgarh-Debari line at proposed 400 kV GSS Udaipur		2012-13	2016-17	NA	NA				
20	220kV Interconnecting Lines at Chhitorgarh									
	(i) 220 kV D/C from 400kV Chittorgarh to 220kV GSS Sawa	2043.68	2011-12	2014-15	NA	NA	kM	50	800	
	(ii) LILO of 220kV S/C Chittorgarh - Debari line at 400kV GSS Chittorgarh		2011-12	24.7.13	NA	NA	kM			
	(iii) 2 No 220kV bays at 220kV GSS Sawa			2014-15	NA	NA				
21	220kV Interconnecting Lines at 400kV GSS Jodhpur (New) :									600
	(i) 220 kV LILO of existing 220 kV GSS Jodhpur (220kV GSS) -Pali line at 400kV Jodhpur (New)	2043.68	2012-13	2016-17	NA	NA				
	(ii) 220 kV D/C Jodhpur (New) - Jhalamand (U/C 220 Kv GSS)		2012-13	2016-17	NA	NA				
	(iii) 220 kV D/C Jodhpur (New) - Barli (U/C 220 Kv GSS)		2012-13	2016-17	NA	NA				
22	220 kV D/C Banswara TPS- Banswara (220 kV GSS) Line	409.62	2012-13	2016-17	NA	NA			-	
	Power Evacuation System of Suratgarh Super Critical TPS									
	220kV Interconnecting Lines :									
23	220 kV Interconnections at 400/ 220 kV GSS Babai(Jhunjhunu)									This scheme is primarily formed to evacuate power from Suratgarh TPS
	(i) LILO of existing 220 kV S/C Khetri-Reengus line at 400kV GSS Babai (Jhunjhunu)	40.85	2010-11	31.10.13	NA	NA			5	
	(ii) LILO of existing 220 kV S/C Khetri-Heerapura line at 400kV GSS Babai (Jhunjhunu)		2010-11	2015-16	NA	NA	km			
24	220 kV Terminal Bays at various 400/220 kV Substations (6 No.)	1078.12	2011-12	2014-15	NA	NA			200	

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit kM/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
25	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)	2453.3	2012-13	2016-17	NA	NA			-	
	(ii) 220 kV D/C line from 400kV GSS jaipur (North) to GSS Manoharpur				NA	NA				
	(iii) 2 No. bays at 220kV GSS Manoharpur.				NA	NA				
26	JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]									
(a.)	220 kV GSS at Sitapura (New) and associated lines.									
	(i) 220 kV Substation at Sitapura (Jaipur)	2769.07	2011-12	2014-15	NA	NA	MVA	160	2000	To reduce transmission lossess (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 Sanganer	118.37	2011-12	2014-15	NA	NA				
	(iv) Up-gradation of existing 132 kV S/C Line to 220 kV D/C Lines Between 220 kV Indira Gandhi Nagar to 132 kV Sitapura (Charged on 132 kV)	741.72	2011-12	2016-17	NA	NA				
	(v) 2 Nos. 132kV Terminal Bays at 132 kV S/S Sitapura.	123.50	2011-12	2016-17	NA	NA				
	(vi) 220 kV D/C Interconnection between 220 kV Sitapura (Proposed) and 132 kV Sitapura (Existing) [Charged on 132 kV]	85.73	2011-12	2016-17	NA	NA				
	(vii) 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	2011-12	2014-15	NA	NA	84			
(b.)	Up-gradation of existing 132 kV S/C Line to 220 kV D/C Lines Between 132 kV Purana Ghat to 132 kV Bassi (Charged on 132 kV) (associated line of 220kV KKD)	1594.08	2011-12	2016-17	NA	NA			50	
(c.)	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	100	
27	JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JDENSS-I]									
(a.)	(i) 220 kV GSS at Barli (Distt. Jodhpur)	5098.42	2011-12	2014-15	NA	NA	MVA	100	600	System Strengthening & Load Catering scheme to reduce transmission lossess (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	2014-15	NA	NA	kM	2		
(b.)	(i) 220 kV GSS at Jhalamand (Up-gradation) (Distt. Jodhpur)	4351.64	2011-12	2016-17	NA	NA			100	
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-I at Jhalamand	35.52	2011-12	2016-17	NA	NA				
(c.)	(i) 220 kV GSS at Bhawad (Distt. Jodhpur)	4443.18	2010-11	15.3.13	NA	NA			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)	2534.36	2010-11	2014-15	NA	NA	kM	93		
	(iii) 2 No. bays at 220kV bay at 400kV Soorpara	191.47	2011-12	2014-15	NA	NA				
	(iv) 2 No. bays at 220kV bay at 400kV Bhopalgarh	191.47	2011-12	2014-15	NA	NA				
	(iii) 1 No. bays at 132kV bay at Mathania	61.79		2014-15	NA	NA				
(d.)	(i) 220 GSS at Bhadwasia (Distt. Jodhpur)	4132.92	2011-12	2016-17	NA	NA			100	
	(ii) 220kV D/C Jodhpur (400kV GSS)-Bhadwasia line (on Narrow base towers with one ckt. on 220kV & other on 132kV)	915.3	2011-12	2016-17	NA	NA				
	(iii) 2 No. bays at 400kV Soorpara	191.47	2011-12	2016-17	NA	NA				
(e.)	Strengthening scheme of existing 132kV Chopasani Housing Board (CHB) GS'		2011-12		NA	NA				
	(i) 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	2011-12	2015-16	NA	NA			-	
28	(i) 220 GSS at Kuchera (New location) (Distt. Nagaur)	3145.95	2011-12	2015-16	-1123.85	-1480.25			500	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				

(Revised Physical & Financial Targets & Achievement)												
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)		
					5th year	10th year	Physical Target	Provision	During the year 2014-15 (Revised target) working		During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14		
29	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	50	System Strengthening & Load Catering scheme .Reduction in transmission losses 67.33 LU) and to reduce overloading and meet future load growth.		
Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur Districts												
30	(i) 220/132kV GSS at Bap (Distt. Jodhpur)	6583.53	2010-11	19.8.13	NA	NA	MVA		200	This scheme is formed to evacuate power from new solar and wind power plants		
	(ii) LILO of 220kV Barsingsar LTPS-Phalodi line at at Bap	955.14	2010-11	20.8.13	NA	NA	kM					
	(iii) 220kV D/C Bap-Bhadla line	3438.51	2010-11	31.3.14	NA	NA	kM					
31	(i) 220/132kV GSS at Kanasar (Distt. Jodhpur)	6450.30	2011-12	2015-16	NA	NA			1200			
	(ii) 220kV D/C Bhadla - Kanasar line	955.14	2011-12	2015-16	NA	NA						
Normal Development Works												
32	(i) 220/132kV GSS at Mandalgarh(New) (Distt. Bhilwara) (TK)	3105.93	2011-12	2015-16	-1092.94	-1420.78			300	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								
33	(i) 220/132kV GSS at Chonkarwada (Distt. Bharatpur) (TK)	3277.35	2011-12	2015-16	-1902.6	-2503.72			1000	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								
	(iii) LILO of 220kV S/C Mandawar-Nadbai-Bharatpur line at 220kV Chonkarwada	105.00	2011-12	2015-16								
	(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								
34	(i) 220/132kV GSS at Baithwasia (Distt. Jodhpur)	3294.64	2011-12	2014-15	1762.49	3428.84	MVA	100	1800	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	2014-15								
	(iv) 2 No. 132kV bays at Osian	119.39	2011-12	2014-15								
	(v) 1 No. 132kV bays at Matoda	59.70	2011-12	2014-15								
35	(i) 220/132kV GSS at Behror (Distt. Alwar)(TK)	3377.74	2011-12	2015-16	-1724.81	-2393.72			500	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								
36	(i) 220/132kV GSS at Bansur (Distt. Alwar)(TK)	3041.24	2011-12	2015-16	-960.56	-1214.79			600	Loss Reduction & System Strengthening Scheme .Reduction in transmission losses (42.76 LU) and to reduce loading on transformers of nearby 220kV GSS and meet out 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								
37	220 kV interconnections at 400/220 kV GSS at Neemrana(PG)		2011-12							Loss Reduction & System Strengthening Scheme to provide connectivity with the regional system.		
	(i) 220 kV D/C line from PGCIL's 400/220 kV Neemrana (PG) to Behror(proposed 220 kV GSS)	764.63	2011-12	2014-15	NA	NA	kM	56	700			
	(ii) 2 No bays at Behror	181.16	2011-12	2014-15	NA	NA						
38	220 kV interconnections at 400/220 kV GSS at Kotputli (PG)		2011-12									
	(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	600			

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(ii) 220 kV D/C line from PGCIL's 400/220 kV Kotputli(PG) to Bansur (TK)	764.63	2011-12	2014-15	NA	NA	kM	82		
	(iii) 2 No bays at Bansur	181.16	2011-12	2014-15	NA	NA				
39	(i) 220/132kV GSS at Amberi (Distt. Udaipur) (TK)	4391.47	2011-12	2015-16	-734.04	-832.3			300	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						
40	(i) 220/132kV GSS at Danta Ramgarh (Distt. Sikar)	2199.65	2011-12	2015-16	-1343.66	-1834.76			1300	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						
	(iii) 1 Nos bay at 220kV GSS Dhod	90.58	2011-12	2015-16						
	(iv) 220 kV S/C Renwal-Danta Ramgarh line	564.06	2011-12	2015-16						
	(v) 220 kV S/C Dhod -Danta Ramgarh line	705.07	2011-12	2015-16						
41	Interconnections for 400 kV GSS Deedwana (RVPN Scope)									
	(i) LILO of proposed 220 kV S/C Kuchamancity - Dhod line at proposed 400 kV GSS Deedwana	Incl in 400kV Scheme	2011-12	2014-15	NA	NA	kM	80	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				
42	Interconnections for 400 kV GSS Alwar (RVPN Scope)									
	(i) LILO of existing 220 kV S/C Dausa-Alwar line at proposed 400 kV GSS Alwar	191.90	2011-12	2014-15	NA	NA	kM	10	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	19.99	2011-12		NA	NA	kM	1		

(Revised Physical & Financial Targets & Achievement)											
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		(Rs. In Lacs)		Remarks and (Justification of the Scheme)
					5th year	10th year	Unit km/MVA	During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)		
1	2	3	4	5	6	7	8	10	13	14	
43	400 kV GSS Nawalgarh (RVPN Scope)										
	(i) 1 No. 220 kV bay at 220kV GSS Sikar(400kV GSS PGCIL) (For termination of 220kV S/C Sikar (400kV GSS PGCIL) - Nawalgarh line at Sikar end). This bay will be provided by PGCIL to RVPN.	Incl in 400kV Scheme	2011-12	12th Plan	NA	NA				Incl in 400kV Scheme	System Strengthening Scheme to reduce transmission losses 82.10 LU, strengthen 220kV and 132kV transmission system to increase liability.
	(ii) 1 No. 220 kV bay at 220kV GSS Jhunjhunu (For termination of 220kV S/C Nawalgarh - Jhunjhunu line at Jhunjhunu end		2011-12		NA	NA					
44	Jaipur City EHV Network Strengthening Scheme-IV (Phase-I)										
	(a) (i) 220 kV GIS Substation at Chambal (Jaipur)	10859.74	2011-12	12th Plan	NA	NA				100	Loss Reduction & System Strengthening Scheme . Reduction in transmission losses (136.60 LU) 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 Heerapura	231.51	2011-12	12th Plan	NA	NA					
	(iii) 1 No. 220 kV Terminal GIS Bay at 220 kV Substation at Mansarovar	471.44	2011-12	12th Plan	NA	NA					
	(iv) 220 kV D/C Cable System between 400 kV Heerapura and 220 kV Chambal	8681.82	2011-12	12th Plan	NA	NA					
	(v) 220 kV S/C Cable System between 220 kV Mansarovar and 220 kV Chambal	3177.88	2011-12	12th Plan	NA	NA					
	(b) (i) 220/132kV,1x160MVA &220/33kV ,1X50MVA GIS Substation at PWD Bungalow (Jaipur)	4795.95	2011-12	12th Plan	NA	NA				-	
	(ii) 1 No. 220 kV Terminal Bay at 220 kV Substation at VKIA	114.22	2011-12	12th Plan	NA	NA					
	(iii) 220 kV S/C Cable System between 220 kV Chambal and 220 kV PWD Bungalow	3761.12	2011-12	12th Plan	NA	NA					
	(iv) 220 kV S/C Cable System between 220 kV VKIA and 220 kV PWD Bungalow	9163.47	2011-12	12th Plan	NA	NA					
	Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts										
45	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Badisid (near Bap) (Jodhpur Distt.)	4953.69	2011-12	2015-16	NA	NA				4000	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 Bap	224.14	2011-12	2015-16	NA	NA					
	(iii) LILO of one circuit of 220 KV D/C Bap - Bhadla line at Badisid	698.37	2011-12	2015-16	NA	NA					
	(iv) 220 KV D/C Badisid-Aau (Proposed 220 KV GSS) line	2327.91	2011-12	2015-16	NA	NA					
46	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Aau (New loc.) (Jodhpur Distt.):	5087.87	2011-12	2014-15	NA	NA	MVA	160		2300	
	(ii) 2 Nos. 220kV bays at 220kV GSS Baithwasia	224.14	2011-12	2014-15	NA	NA					
	(iii) 220 KV D/C Aau-Baithwasia (U/C 220 KV GSS) line	1862.33	2011-12	2014-15	NA	NA	kM	93			
47	(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	2011-12	12th Plan	NA	NA				200	
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Bhadla	224.14	2011-12	12th Plan	NA	NA					
	(iii) 220 KV D/C PS 1 / Bajju -Bhadla (U/C 400 KV GSS) line	931.16	2011-12	12th Plan	NA	NA					
48	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Ramdev Nagar (Phalodi)(Jodhpur Distt.):	4696.80	2011-12	12th Plan	NA	NA				-	
	(ii) LILO of one circuit of U/C 220 KV D/C Dechu-Phalodi line at proposed 220 KV GSS Ramdev Nagar	232.79	2011-12	12th Plan	NA	NA					
49	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Chatrail (Distt. Jaisalmer)	4741.94	2011-12	2016-17	NA	NA				400	
	(ii) 2 Nos. 220kV bays at 220kV GSS Ramgarh (400kV GSS)	224.14	2011-12	2016-17	NA	NA					
	(iii) 220 KV D/C Chatrail-Ramgarh (U/C 400 KV GSS) line	2793.49	2011-12	2016-17	NA	NA					
50	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Pokran (New loc.)(Jaisalmer Distt.):	5133.01	2011-12	2016-17	NA	NA				200	
	(ii) LILO of both circuits of U/C 220 KV D/C Ramgarh GTPP – Dechu line at Pokarar	465.58	2011-12	2016-17	NA	NA					
51	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Kolayat (New loc.)(Bikaner Distt.):	4921.26	2011-12	2016-17	NA	NA				200	
	(ii) 2 Nos. 220kV bays at 220kV GSS Gajner	224.14	2011-12	2016-17	NA	NA					
	(iii) 220 KV D/C Gajner (U/C 220 KV GSS)-Kolayat line	698.37	2011-12	2016-17	NA	NA					

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target	Provision	During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
52	LILO of both circuits of 220kV D/C Ramgarh GTPS- Dechu line at 400kV Ramgarh (1kM D/C each for both circuits	34.21	2011-12	2014-15	NA	NA	kM	1	30	
53	Optical Fibre Cable System for 220kV & 132kV Schemes already approved under Main Transmission System for New Solar & Wind Power Plants & Smart Grid Applications.				NA	NA				
	(i) 220kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 140kM)	902.54	2011-12	12th Plan	NA	NA			200	
	(ii) Software Development for Integration/Innovation, Smart Grid Applications etc	128.93	2011-12	12th Plan	NA	NA				
	Power Evacuation System for Proposed Wind Project in Banswara and Pratapgarh area.									
54	(i) 220kV Switching Station at Banswara	2575.74	2011-12	2016-17	NA	NA			50	Loss Reduction & System Strengthening Scheme is primarily framed to evacuate power from Proposed Wind Project in Banswara and Pratapgarh area.
	(ii) 2 Nos bays at 220kV GSS Banswara	181.16	2011-12	2016-17	NA	NA				
	(iii) 220 kV D/C line between 220 kV Switching Station at Banswara & 220 kV GSS Banswara	343.53	2011-12	2016-17	NA	NA				
	(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	NA	NA				
55	(i) 220/132kV, 1x100MVA GSS at Pratapgarh (Up-gradation)	2635.20	2011-12	2015-16	NA	NA			2000	
	(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				
	(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				
56	(i) 220/132kV, 2x160 MVA GSS at NPH Jodhpur (Up-gradation)	3213.46	2012-13	2015-16	NA	NA			700	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				
	(iii) 2 Nos. 220kV bays at 220kV GSS Jodhpur	227.22	2012-13	2015-16	NA	NA				
57	(i) 220/132kV, 1x100 MVA GSS at Sayla (Distt. Jalore)	3417.40	2012-13	2014-15	-2054.81	-2593.65	MVA	100	2800	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		
58	(i) 220/132kV, 1x100 MVA GSS at Jethana (Distt. Ajmer)	3532.99	2012-13	2015-16	-1912.27	-2398.3			1700	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 lying 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						
	(iv) LILO of 220 kV S/C Ras-Merta line at proposed 220 kV GSS Jethana	699.34	2012-13	2015-16						
	(v) 220kV D/C Ajmer (400 kV GSS)-Jethana (proposed 220 kV GSS) line	1222.17	2012-13	2015-16						
59	(i) 220/132kV, 1x160 MVA GSS at Goner (Distt. Jaipur)	4890.26	2012-13	2015-16	-2625.4	-3559.35			1100	Loss Reduction & Load Catering Scheme to help in reducing transmission losses (53.35 LUs). To reduce loading on 220kV Indira

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(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						Gandm nagar GSS, to evacuate Rajasthan's share of power from PGCIL's 400kV GSS at Jaipur(South)
60	(i) 220/132kV, 1x160 MVA GSS at Vatika (Distt. Jaipur)	4641.44	2012-13	2014-15	-2641.01	-3611.98	MVA	160	2000	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		
61	Conectivity with PGCIL's under construction 400/220kV GSS Jaipur (South-PG)									
	(i) 220/132kV, 1x160 MVA GSS at Chaksu (Distt. Jaipur) (Upgradation)	2317.25	2012-13	24.10.13	2230.65	4017.15			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) 220 kV D/C Jaipur (South-PG) - Chaksu (Proposed 220kV GSS) line.	345.64	2012-13	24.10.13						
	(iii) LILO of 220 kV S/C Duni - SEZ (220kV GSS) line at PGCIL's 400/220kV GSS Jaipur (South)	1011.83	2012-13	2014-15			kM	56		
69	(i) 220kV GIS Substation at Banar (Up-gradation) (District- Jodhpur)	5856.50	2012-13	2016-17	NA	NA			400	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 GIS sub-station Banar (14km D/C)	815.68	2012-13	2016-17	NA	NA				
	(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 GIS sub-station Banar(0.5km D/C)	901.32	2012-13	2016-17	NA	NA				
70	(i) 220/132kV, 1x100 MVA GSS at Laxmangarh (Up-gradation) (Distt. Sikar)	2143.84	2012-13	4.3.14	-1142.37	-1458			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						
71	(i) LILO of one ckt. Of under construction 220kV D/C Ramgarh GTPS - Dechu line at 220kV GSS Amarsagar.	926.48	2012-13	2014-15	399	748.11	kM	40	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.		2012-13	2014-15						
IV	132kV SCHEMES									
	Normal Development Schemes									
1	Jaipur City EHV network strengthening scheme-1									
	(i) Up-gradng and Up-rating of existing 132 kV S/C Line to 132 kV D/C on Tubular Poles between existing 132 kV GSS Mansarovar and 132 kV GSS Chambal and associated terminal bays and strengthening (allied work for GIS Mansarovar)	427.22	2010-11	12th Plan	NA	NA			incl. in 220kV scheme	Justification given in 220kV scheme of Jaipur City EHV network strengthening scheme-1
	(ii) Up-rating & Refurbishment of 132 kV S/C Line between existing 220 kV Heerapura to 132 kV Chambal and associated strengthening of terminal bays. (allied work for GIS NPH)	263.8	2010-11	12th Plan	NA	NA			incl. in 220kV scheme	
	Normal Development Schemes									
2	LILO of 132kV VKI - Vaishali Nagar line to New Jhotwara with 132kV GIS S/S at New Jhotwara (Jaipur) (Turnkey)	3973.80	2007-08	2014-15	83.1	191.67	kM/MVA	5/-	50	Load Catering & Loss Reduction Scheme. Ex VR-8.710%, DL-7.05%, saving-31.05 LU.

(Revised Physical & Financial Targets & Achievement)										
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					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
3	LILO 132kV Kota-Sangod line at Shivpura with 132kV GSS at Shivpura (Kota)	1261.71	2011-12	12th Plan	-103.68	-111.09			25	Load Catering & Load Reduction Scheme. Ex VR-12.71%, DL-4.47%, saving-18.32 LU.
4	Extension of Existing 132 kV S/C VKIA - Pratap Steel line upto 220 kV GSS VKIA	43.84	2008-09	2014-15	NA	NA	kM	4	15	Load Catering & Loss Reduction Scheme. Inter connection for 220kV GSS VKIA.
5	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	12th Plan	-882.38	-1236.78			50	Load Catering Scheme to meet the load of Mahindra SEZ.
6	132kV S/C Madri-Dakan Kotda (Transport Nagar) line with 132kV GSS at Dakan Kotda (Transport Nagar), Udaipur	1200.79	2008-09	31.10.13	-278.26	373.66	kM/MVA		50	Load Catering Scheme. Ex VR- 05.40 %, DL-06.53 % Saving-16.27 LU .
7	LILO 132kV Jodhpur-Baori line for 132 kV Jhalamand with 132kV GSS at Jalamand (Jodhpur)	1078.83	2008-09	12th Plan	308.23	569.70			50	Load Catering & Loss Reduction Scheme. Ex VR-11.9 %, DL-9.30% Saving-52.239 LU.
8	132kV S/C Buhana-Mahpalwas with 132 kV GSS at Mahpalwas (Jhunjhunu) (Line-Turnkey)	1423.7	2008-09	2014-15	-186.48	-209.78	kM/MVA	16/25	400	Load Catering & Loss Reduction Scheme. Ex VR- 18.90 %, DL-21.26 Saving-29.89 LU.
9	LILO 132kV Alwar-Mandawar line for 132 kV Pinan with 132 kV GSS Pinan (Alwar) (Line comm. on 2.4.11)	1181.9	2008-09	26.9.12	74.20	197.06			-	Load Catering & Loss Reduction Scheme. Ex VR- 16.20 %, DL-12.96 Saving-39.27 LU .
10	132kV S/C Baseri -Sarmathura line with 132 kV GSS at Sarmathura (Dholpur)	1587.07	2008-09	31.8.12	36.31	161.95			-	Voltage Regulation & Load Reduction Scheme . Ex VR- 33.33 %, DL- 23.99 Saving-48.42 LU.
Normal Development Works										
11	Pushkar Road- MDS University section (Balance section of 132kV Saradhna-Pushkar Road-MDS University)	213.64	2009-10	12.4.13	-321.01	413.89	kM		-	Load Catering & Loss Reduction Scheme. Ex VR- 7.9 %, DL-12.78 % Saving-26.11 LU.
11	LILO of 132 kV Kishangarh Bas-Khushkhera line with 132 kV GSS at PUR, Kotkasim (Alwar)	1725.59	2009-10	1.4.13	434.38	846.07	kM/MVA		-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-34.80 %, DL-35.89 Saving-72.51.
12	LILO of 132 kV Alwar-Bansur line with 132 kV GSS at Vijay Mandir, Alwar City(Alwar)	1426.49	2009-10	12th Plan	-176.38	-168.53			20	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-13.40 %, DL-6.19 Saving-28.41 Lu.
13	132 kV S/C Shri Mahaveerji GSS-Nangal Sherpur line with 132 kV GSS at Nangal Sherpur (Karauli)	1642.71	2009-10	22.2.13	-344.51	-423.27			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-15.30%, DL-10.92%, Saving 24.40 LU.
14	LILO of 132kV Heerapura-VKIA-Rampura Dabri line with 132 kV GSS at RIICO, Sarna Doongar (Jaipur)	1401.57	2009-10	2014-15	179.64	406.51	kM/MVA	2/25	50	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-15.70%, DL-11.38%, Saving 48.70 LU.
15	132 kV S/C Karauli -Mandrayal line with 132 kV GSS Mandrayal (Karauli)	2006.46	2010-11	2015-16	92.82	315.53			700	Voltage Regulation & Loss Reduction Scheme . Ex VR-44.40%, DL-29.24%, Saving 60.04 LU.
16	LILO of 132 kV Jodhpur-Bilara line with 132 kV GSS at SEZ, Kaparda (Jodhpur)	1476.34	2010-11	12th Plan	-585.32	-827.29			50	Laod Catering Scheme .Ex VR-6.80%, DL-4.38%, Saving 5.69 LU.
17	LILO of 132 kV Padampur-Sri Ganganagar line with 132 kV GSS at Telewala (Sri Ganganagar)	1501.27	2009-10	12th Plan	433.18	825.67			50	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-17.80%, DL-9.65%, Saving 66.34 LU.

(Revised Physical & Financial Targets & Achievement)										
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					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
18	LILO of Sawa-Sata line with 132 kV GSS at Sedwa (Barmer) Line comm.26.9.12	1401.57	2009-10	6.4.13	1264.55	2165.06			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-28.20%, DL-11.31%, Saving 112.58 LU.
19	132 kV Padroo-Junameetha Khera-Sindhari line with 132 kV GSS at Junameetha Khera (Barmer) (Line commissioned on 23.7.12 & 15.8.12)	2117.09	2009-10	2.3.13	71.77	290.52			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-20.50%, DL-14.60%, Saving 61.81 LU.
20	132 kV S/C Sanchore (220kVGSS) - Paladar line with 132 kV GSS at Paladar (Jalore)	1569.96	2009-10	23.8.13	74.28	249.57			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-16.20%, DL-9.23%, Saving 47.08 LU.
21	132 kV S/C Sri Karanpur - Kaminpura line with 132 kV GSS at Kaminpura (Sri Ganganagar) Line comm. 7.8.12	1715.46	2009-10	30.12.12	267.57	574.85			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-19.60%, DL-9.02%, Saving 62.42 LU.
22	LILO of 132 kV Beawar-Nasirabad line with 132 kV GSS at Kharwa (Ajmer)	1476.34	2009-10	12th Plan	-372.4	-482.16			50	Voltage Regulation & Loss Reduction Scheme .Ex VR-17.30%, DL-14.39%, Saving 18.23 LU.
23	132 kV S/C Kankroli (220kV) -Sapol line with 132 kV GSS at Sapol (Rajsamand)	1686.36	2009-10	14.2.13	-585.49	-810.29			-	Voltage Regulation & Laod Catering Scheme .Ex VR-14.40%, DL-13.45%, Saving 11.39 LU.
24	LILO of 132 kV Banswara-Sagwara line with 132 kV GSS at Partapur (Banswara) Line comm. In 2011-12	1625.89	2009-10	5.12.12	-79.57	4.8			-	Voltage Regulation, Laod Catering & Load Reduction Scheme . Ex VR-22.80%, DL-20.62%, Saving 39.54 LU.
25	132 kV S/C Mavli - Sanwad line with 132 kV GSS at Sanwad (Udaipur)	1642.71	2009-10	7.6.13	-433.31	-567.21			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-13.60%, DL-12.67%, Saving 19.17 LU.
26	132 kV S/C Shri Madhopur - Thoi line with 132 kV GSS at Thoi (Sikar)	1657.26	2009-10	3.9.12	-294.36	-340.78			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-17.50%, DL-15.55%, Saving 27.74 LU.
27	LILO of 132 kV Bhilwara-Hamirgarh line with 132 kV GSS at RIICO, Bhilwara (Bhilwara) Line comm.2011-12	1576.04	2009-10	30.6.12	-593.05	-831.61			-	Laod Catering & Loss Reduction Scheme .Ex VR-2.80%, DL-4.23%, Saving 7.95 LU.
28	132 kV S/C Beegod- Kachola line with 132 kV GSS at Kachola (Bhilwara)	1642.71	2009-10	17.1.13	-205.7	-198.26			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-21.90%, DL-17.70%, Saving 32.57 LU.
29	132 kV S/C Ajoliya-ka-khera-Bassi line with 132 kV GSS at Bassi (Chittorgarh)	1613.61	2009-10	27.7.13	244.77	529.51			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-26.60%, DL-32.04%, Saving 58.30 LU.
JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III (JENSS-III)										
30	(i) 132 kV GIS Substation at MNIT (Jaipur)	3751.11	2010-11	2.4.14	NA	NA	MVA	100	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			kM	8		
JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I (JDENSS-I)										
31	Lines associated with 220 kV GSS Barli.									Justification given in 220kV scheme of Jodhpur City EHV Network Strengthening Scheme-I
	(i) LILO of existing 132 kV S/C Jodhpur-PS8 line at Barli	42.20	2010-11	2014-15	NA	NA	kM	4	Incl in 220kV SCHEME	
	(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		
32	LILO of existing 132 kV S/C Jodhpur(220kV GSS)- Bilara line at Jhalamand	103.86	2010-11	12th Plan	NA	NA			Incl in 220kV SCHEME	
33	132 kV S/C Karwad/Bhawad-Mathania line	184.00	2010-11	2014-15	NA	NA	kM	15	100	
34	(i) 132 kV GIS Substation at Engineering College	3947.07	2010-11	2015-16	NA	NA			1500	

(Revised Physical & Financial Targets & Achievement)											
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)	
					5th year	10th year	Physical Target	Provision	During the year 2014-15 (Revised target) working		During year 2014-15 (Revised budget provision)
1	2	3	4	5	6	7	8	9	10	11	
	(ii) 132 kV S/C Cable system between 132 kV OPH and 132 kV Engineering College	1925.10	2010-11	2015-16	NA	NA					
	(iii) 132 kV D/C Cable system between 132 kV NPH and 132 kV Engineering College	3938.30	2010-11	2015-16	NA	NA					
35	132 kV Hybrid GIS Substation at Kuri Bhagtasani	3405.61	2010-11	31.10.12	NA	NA				-	
36	(i)132 kV Hybrid GIS Substation at Pratap Nagar	3394.61	2010-11	12.6.14	NA	NA	MVA	100		200	
	(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			
37	(i) 132 kV GIS Substation at OPH	4058.32	2010-11	28.3.13	NA	NA				-	
	(ii) 132 kV D/C Cable system between 132 kV Banar and 132 kV OPH (Proposed)	4570.60	2010-11	15.3.13	NA	NA					
	(iii) 3 No. Terminal 132 kV Hybrid GIS Bays at 132 kV GSS Banar	819.20	2010-11		NA	NA					
38	Strengthening scheme of existing 132kV Chopasani Housing Board (CHB) GS'										
	(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		1100	
	(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			
	Works associated with 220kV GRID-SUBSTATIONS		2010-11				kM/MVA				
39	LILO of existing 132 kV S/C Pugal Road-Gajner (PS-4) line at proposed 220 kV GSS Gajner.	206.62	2010-11	5.4.13	Incl. in 220kV Scheme	Incl. in 220kV Scheme				-	Justification given in 220kV scheme of Gajner
40	132 kV S/C Manoharpur- Shahpura line (Second circuit)	184.00	2010-11	8.7.13	Incl. in 220kV Scheme	Incl. in 220kV Scheme				-	Justification given in 220kV scheme of Manoharpur
41	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	Justification given in 220kV scheme of Gangapurcity
42	(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				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	Incl. in 220kV Scheme	Incl. in 220kV Scheme				100	
43	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	Justification given in 220kV scheme of Aspur
	Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur Districts										
44	Up-gradation of PS No. 2 to 132kV Grid Substation with 132/33kV, 2x20/25 MVA Transformers with associated 132kV line	1993.12	2011-12	9.3.13	NA	NA				-	This scheme is formed to evacuate power from new solar and wind power plants
45	Up-gradation of PS No. 3 to 132kV Grid Substation with 132/33kV, 1x25 MVA,1X50MVA Transformers	2110.39	2011-12	11.1.13	NA	NA				-	
46	Charging of 132 kV line from PS_No.5 to PS_No.1 on 132 kV voltage level via 132 kV PS No.2 GSS and 132 kV PS No.3 GSS	718.88	2011-12	31.3.14	NA	NA				-	
47	Up-gradation of PS No. 4 to 132kV Grid Substation with 132/33kV, 2x20/25 MVA Transformers	1993.12	2011-12	9.1.13	NA	NA				-	
48	(i) 132 kV S/C PS2 - Kanasar (To be erected on D/C towers)	199.82	2011-12	12th Plan	NA	NA				incl. in 220kV	
	(ii) 132 kV D/C PS3 - Kanasar line	231.54	2011-12	12th Plan	NA	NA					
	Normal Development Works										
49	(i) LILO of existing 132 kV S/C Mandalgarh- Begun line at proposed 220 kV GSS Mandalgarh	11.38	2011-12	2015-16	NA	NA				incl. in 220kV scheme	Justification given in 220kV scheme of Mandalgarh
	(ii) LILO of existing 132 kV Bijolia-Beegod line at proposed 220 kV GSS Mandalgarh	11.38	2011-12	2015-16	NA	NA					

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
50	(i) 132kV D/C line from proposed 220kV Chonkarwada to 132kV GSS Bhusawar	303.42	2011-12	2015-16	Incl.in 220kV Chonkarwada	Incl.in 220kV Chonkarwada			incl. in 220kV scheme	Justification given in 220kV scheme of Chhokarwada
	(ii) 132kV D/C line from proposed 220kV Chonkarwada to proposed 132kV GSS Mahuwa	543.20	2011-12	2015-16						
51	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	Justification given in 220kV scheme of Tehandesar
Work associated with 220kV GSS										
52	(i) 132kV D/C Baithwasia-Osian line	313.85	2011-12	2014-15	incl.in 220kV	incl.in 220kV	km	30	incl. in 220kV	Justification given in 220kV scheme of Baithwasia
	(ii) 132kV S/C Baithwasia-Matora line	368.20	2011-12	15.11.13						
53	(i) LILO of 132kV S/C Behror-Jakhrana line at proposed 220kV GSS Behror	73.72	2011-12	2015-16	incl.in 220kV Behror	incl.in 220kV Behror			incl.in 220kV Behror	Justification given in 220kV scheme of Behror
	(ii) LILO of 132kV S/C Keshwana-Behror line at proposed 220kV GSS Behror	209.60	2011-12	2015-16						
	(iii) 132kV S/C Jakhrana-Mandan line	398.03	2011-12	2015-16						
54	(i) LILO of 132 kV S/C Kotputli-Bansur line at proposed 220 kV GSS Bansur	42.80	2011-12	2015-16	incl.in 220kV	incl.in 220kV			incl.in 220kV Bansur	Justification given in 220kV scheme of Bansur
	(ii) 132 kV S/C Bansur(Proposed 220 kV GSS)-Mundawar line	429.39	2011-12	2015-16						
55	(i) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Toonga	367.10	2011-12	2015-16	incl. in 220kV	incl. in 220kV			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	220kV	220kV	km	50		
56	(i) LILO of 132 kV S/C Debari-Sukher line at proposed 220 kV GSS Amberi	105.35	2011-12	2015-16	incl. in 220kV	incl. in 220kV			Incl in 220kV Amberi	Justification given in 220kV scheme of Amberi
	(ii) LILO of 132 kV S/C Sukher-Seesarma line at proposed 220 kV GSS Amberi	105.35	2011-12	2015-16						
57	(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 Bamantukda	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		
58	LILO of 132 kV Asind-Beawer line with 132kV GSS at Partappura (Disst. Bhilwara)	1572.35	2011-12	28.12.12	-120.68	-66.55			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-19.60%, DL-14.23%, Saving 35.65 LU.
59	132 kV S/C Gangapur- Raipur line with 132kV GSS at Raipur (Disst. Bhilwara)	1630.54	2011-12	22.4.13	223.32	496.15	km/MVA		-	Voltage Regulation & Loss Reduction Scheme . Ex VR-31.00%, DL-36.61%, Saving 57.50 LU.
60	132 kV S/C Dhod- Dayalpura line with 132kV GSS at Dayalpura (Disst. Nagaur)	1667.12	2011-12	24.7.13	-597	-830.57	km/MVA		-	Voltage Regulation & Laod Catering. Ex VR-15.50%, DL-11.54%, Saving 10.19 LU.
61	LILO of 132 kV Reodar-Aburoad line with 132kV GSS at RIICO Growth Centre, Aburoad (Disst. Sirohi)	1366.83	2011-12	6.4.13	1153.86	1962.77	km/MVA		-	Voltage Regulation & Loss Reduction Scheme .Ex VR-27.80%, DL-17.31%, Saving 105.12 LU .
62	LILO of 132 kV Badnu-Jasrasar line with 132kV GSS at Lalamdesar Bada (Disst. Bikaner)	1387.38	2011-12	3.4.13	578.29	1051.52	km/MVA		-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-17.50%, DL-12.57%, Saving 71.79 LU.
63	LILO of 132 kV Napasar-Badnu line with 132kV GSS at Moonsar (Disst. Bikaner)	1366.83	2011-12	21.10.13	428.61	807.2	km/MVA		-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-16.90%, DL-10.54%, Saving 62.42 LU.
64	LILO of 132 kV Sangod-Kawai line with 132kV GSS at Bapawar (Disst. Kota)	1387.38	2011-12	5.11.12	-17.26	86.18			-	Voltage Regulation, Laod Catering & Loss Reduction Scheme . Ex VR-20.60%, DL-15.00%, Saving 36.72 LU.
65	LILO of 132 kV Mandawa-Bandikui line with 132kV GSS at Dhigaria Bhim (Disst. Dausa)	1434.41	2011-12	23.2.13	-340.44	-437.67			-	Laod Catering & Loss Reduction Scheme .Ex VR-10.80%, DL-7.17%, Saving 17.69 LU.

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
66	(i) 132kV GSS at Sultanpur(Kota) (TK)	1190.48	2011-12	2014-15	736.17	1343.15	MVA	25	600	Laod Catering & Loss Reduction Scheme .Ex VR-45.20%, DL-43.79%, Saving 86.85LU.
	(ii) 132kV S/C Dahara-Sultanpur line (TK)	343.73	2011-12	2014-15			kM	28		
	(iii) 1 No. Bay at 132kV GSS at Dahra	59.70	2011-12	2014-15						
67	(i) 132kV GSS at Mangrol (Baran)	1190.48	2011-12	2015-16	-392.8	-484.53	MVA		700	Laod 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			
	(iii) 1 No. Bay at 132kV GSS at Baran	59.70	2011-12	2015-16						
68	(i) 132kV GSS at Khetusar (Jodhpur)	1190.48	2011-12	2014-15	436.77	877.41	MVA	25	1100	Laod Catering & Loss Reduction Scheme . Ex VR-20.30%, DL-16.72%, Saving 74.90 LU.
	(ii) 132kV S/C Bap-Khetusar line	551.75	2011-12	2014-15			kM	45		
	(iii) 1 No. Bay at 132kV GSS at Bap	59.70	2011-12	2014-15						
69	(i) 132kV GSS at Hatundi(Jodhpur)	1190.48	2011-12	2014-15	826.93	1486.81	MVA	25	1100	Laod Catering & Loss Reduction Scheme . Ex VR-17.10%, DL-12.63%, Saving 91.19 LU.
	(ii) 132kV S/C Soyla-Hatundi line	307.02	2011-12	2014-15			kM	25		
	(iii) 1 No. Bay at 132kV GSS at Soyla	59.70	2011-12	2014-15						
70	(i) 132kV GSS at Kirmarsariya(Jodhpur)	1190.48	2011-12	2014-15	438.63	857.41	MVA	25	1100	Laod Catering & Loss Reduction Scheme . Ex VR-17.20%, DL-14.73%, Saving 68.33 LU.
	(ii) 132kV S/C Tinwari-Kirmarsariya line	307.02	2011-12	2014-15			kM	25		
	(iii) 1 No. Bay at 132kV GSS at Tinwari	59.70	2011-12	2014-15						
71	(i) 132kV GSS at Anandpur Kaloo (Pali)	1190.48	2011-12	2014-15	1175.78	2043.07	MVA	25	400	Laod 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	59.70	2011-12	2014-15						
72	(i) 132kV GSS at Subhash Nagar, Ajmer(Pali)	1250.18	2011-12	2014-15	-420.92	-563.64	MVA	25	700	Laod Catering(38.15 MVA)
	(ii) LILO 132kV Ajmer-Saradhna line at Subhash Nagar, Ajmer	11.53	2011-12	2014-15			kM	1		
73	(i) 132kV GSS at Sawalpur Tanwaran (Sikar)	1190.48	2011-12	15.3.14	-363.43	-448.42			50	Laod Catering Scheme .Ex VR-11.90%, DL-8.33%, Saving 19.43 LU.
	(ii) 132kV S/C Ajeetgarh -Sawalpur Tanwaran line	245.83	2011-12	15.3.14						
	(iii) 1 No. Bay at 132kV GSS at Ajeetgarh	59.70	2011-12	15.3.14						
74	Jaipur City EHV Network Strengthening Scheme-IV (Phase-I)									
	132kV Interconnection									
	(i) 132 kV Hybrid GIS Bay at Jawahar Nagar (Jaipur)	269.84	2011-12	12th Plan	NA	NA			-	Loss Reduction & System Strengthening Scheme to help in reducing transmission losses (136.60 LU) in Jaipur, create 220kV inner ring system in Jaipur city , thereby increasing reliability of supply.
	(ii) 132 kV S/C Cable system between 132 kV MNIT and 132 kV Substation Jawahar Nagar	2251.67	2011-12	12th Plan						
75	(i) 132kV GSS at Bijaipur (Chittorgarh)	1190.48	2011-12	2014-15	-650.2	-890.2	MVA	25	800	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	2014-15						
	(iii) 132 kV S/C Nimbahera - Bijaipur line	584.35	2011-12	2014-15			kM	50		
76	(i) 132kV GSS at Kushalgarh (Banswara)	1190.48	2011-12	2014-15	367.09	764.47	MVA	25	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	2014-15						
	(iii) 132 kV S/C Bagidora-Kushalgarh	551.75	2011-12	2014-15			kM	45		
77	(i) 132 kV GSS at Sawar (Distt.Ajmer)	1271.70	2011-12	30.9.13	-416.87	-518.18			-	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-20.80%, DL-22.52%, Saving 22.52 LU .
	(ii) LILO of 132kV Kekri-Deoli line	170.79	2011-12	11.4.13						
78	(i) 132 kV GSS at Mehara (Distt.Jhunjhunu)	1271.70	2011-12	28.3.14	135	369.46			50	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-21.70%, DL-22.59%, Saving 52.94 LU.
	(ii) LILO of 132kV Khetri Nagar-Babai line	107.16	2011-12	28.3.14						
79	(i) 132 kV GSS at Bilwadi (Virat Nagar) (Distt.Jaipur)	1271.70	2011-12	14.3.14	-705.21	-976.23			50	Voltage Regulation & Laod Catering Scheme . Ex VR-10.700%, DL-6.16%, Saving 8.31

(Revised Physical & Financial Targets & Achievement)										
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					5th year	10th year	Physical Target	Provision		
1	2	3	4	5	6	7	8	10	13	14
	(ii) LILO of 132kV Paota-Shahpura line	255.63	2011-12	14.3.14						LU.
80	(i) 132 kV GSS at at Jatawali (Distt.Jaipur)	1210.97	2011-12	2015-16	-460.31	-590.76	MVA		300	Voltage Regulation, Laod 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	2015-16						
	(iii) 132kV S/C Chomu-Jatawali line from 220kVGSS Choumu	150.49	2011-12	2015-16			kM			
81	(i) 132 kV GSS at Maniya (Distt.Dholpur)	1271.70	2011-12	1.4.13	-539.12	-707.01			-	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-15.00%, DL-9.86%, Saving 18.09 LU.
	(ii) LILO of 132kV Dholpur-Rajakhera line	255.63	2011-12	1.4.13						
	Interconnections for 400 kV GSS Deedwana (RVPN Scope)									
82	(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	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						
	Interconnections for 220 kV GSS Nawalgarh (RVPN Scope)									
83	LILO of existing 132 kV S/C Koodan - Nawalgarh line to proposed 220 kV Nawalgarh GSS	283.87	2011-12	12th Plan	NA	NA			100	System Strengthening Scheme to reduce transmission losses 82.10 LU, strengthen 220kV and 132kV transmission system to increase liability.
84	(i) 132 kV S/C Nawalgarh(220 kV) - Kumawas line	489.43	2011-12	12th Plan	NA	NA				
	(ii) 1No. 132kV bay at Kumawas.	70.06	2011-12	12th Plan	NA	NA				
85	(i) 132 kV S/C Nawalgarh(220 kV) - Gudagorji line	653.58	2011-12	12th Plan	NA	NA				
	(ii) 1No. 132kV bay at Gudagorji	70.06	2011-12	12th Plan	NA	NA				
86	(i) 132 kV S/C Nawalgarh(220 kV) - Udaipurwati line	598.86	2011-12	12th Plan	NA	NA				
	(ii) 1No. 132kV bay at Udaipurwati	70.06	2011-12	12th Plan	NA	NA				
	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)									
87	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	This scheme is formed to evacuate power from new solar and wind power plants
88	LILO of existing 132 KV S/C PS1-Bajju line at proposed 220 KV GSS PS 1 / Bajju	308.54	2011-12	12th Plan	NA	NA				
89	LILO of existing 132 KV S/C Chandan-Pokaran line at proposed 220 KV GSS Pokaran	308.54	2011-12	12th Plan	NA	NA				
90	LILO of existing 132 KV S/C Kolayat-Bajju line at proposed 220 KV GSS Kolayat	308.54	2011-12	12th Plan	NA	NA				
91	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)									
	(i) 132kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 22kM)	141.83	2011-12	12th Plan	NA	NA		22	Incl in 220kV scheme	
92	(i) LILO of existing 132 kV S/C Sayla-Daspan line at proposed 220 kV GSS Sayla	255.63	2012-13	2014-15	Incl. in 220kV	Incl. in 220kV GSS	kM	24	Incl. in 220kV GSS	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	2012-13	2014-15			kM	10		
93	(i) LILO of 132 kV S/C Beawar-Mertacity line at proposed 220 kV GSS Jethana	319.25	2012-13	2015-16	Incl. in 220kV	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	213.21	2012-13	2015-16						
	(iii) 132 kV S/C line from proposed 220 kV GSS Jethana to 132 kV GSS Saradhana	187.83	2012-13	2015-16						
94	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			Incl. in 220kV Goner	Justification given in 220kV scheme of Goner

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
95	LILO of 132kV S/C Balawala- Phagi line at proposed 220kV Vatika.	167.97	2012-13	2014-15	Incl. in 220kV GSS Vatika	Incl. in 220kV GSS Vatika	kM	16	Incl. in 220kV GSS Vatika	Justification given in 220kV scheme of Vatika
96	(i) 132/33kV, 20/25MVA GSS at Masuda (Ajmer)	1283.11	2012-13	28.3.14	439.28	879.86			50	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-37.20%, DL-33.79%, Saving 75.99 LU.
	(ii) LILO 132kV Beawar-Gulabpura line	253.07	2012-13	29.7.13						
97	(i) 132/33kV, 20/25MVA GSS at Ghatol (Banswara)	1223.28	2012-13	2015-16	-258.53	-224.96			800	Voltage Regulation, Laod 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	2015-16						
	(iii) 1 No. 132kV bay at 132kV GSS Paloda	59.83	2012-13	2015-16						
98	(i) 132/33kV, 20/25MVA GSS at Kanera (Chittorgarh)	1223.28	2012-13	2014-15	-389.96	-454.14	MVA	25	1100	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-19.60%, DL-24.90%, Saving 30.19 LU.
	(ii) 132kV Nimbahera - Kanera line	345.88	2012-13	2014-15			kM	50		
	(iii) 1 No. 132kV bay at 132kV GSS Bijaiapur	59.83	2012-13	2014-15						
99	(i) 132/33kV, 20/25MVA GSS at Parbatsar (Nagaur)	1223.28	2012-13	2014-15	-492.3	-530.78	MVA	25	1100	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						
100	(i) 132/33kV, 20/25MVA GSS at Sherera (Bikaner)	1283.11	2012-13	12th Plan	2304.95	3910.84			700	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-47.10%, DL-
	(ii) LILO 132kV Bikaner-Dulchar line	316.05	2012-13	12th Plan						
101	(i) 132/33kV, 20/25MVA GSS at Tibbi (Hanumangarh)	1223.28	2012-13	12th Plan	1067.34	1889.2			60	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-18.70%, DL-15.95%, Saving 110.38 LU.
	(ii) 132kV S/C Amarpura Theri(Hanumangarh)-Tibbi line	173.50	2012-13	12th Plan						
	(iii) 1 No. 132kV bay at 132kV GSS Amarpura Theri	59.83	2012-13	12th Plan						
102	(i) 132/33kV, 20/25MVA GSS at Ajasar (Jaisalmer)	1283.11	2012-13	2014-15	1949.01	3301.77	MVA	25	900	Voltage Regulation, Loss Reduction Scheme . Ex VR-42.90%, DL-37.72%, Saving 157.35 LU.
	(ii) LILO 132kV Pokran-Askandra line	22.12	2012-13	2014-15			kM	2		
103	(i) 132/33kV, 20/25MVA GSS at Narainpur PS Thanagazi (Alwar)	1283.11	2012-13	21.2.14	-204.78	-184.75			50	Voltage Regulation, Laod 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						
104	(i) 132/33kV, 20/25MVA GSS at Bhanwargarh (Kishanganj) (Baran)	1283.11	2012-13	12th Plan	1159.1	2021.41			50	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-43.80%, DL-41.40%, Saving 110.84 LU.
	(ii) LILO 132kV Baran-Kelwara line	22.12	2012-13	12th Plan						
105	(i) 132/33kV, 20/25MVA GSS at Batoda (Sawaimadhopur)	1223.28	2012-13	2014-15	121.56	375	MVA	25	900	Voltage Regulation, Laod 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						
106	(i) Construction of 132kV S/C Nokha Daiya - Khajuwala line	955.99	2012-13	12th Plan					100	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-25.0%, DL-19.30%, Saving 42.75 LU.
	(ii) 1 No. 132kV bay at 132kV GSS Nokha Daiya	59.85	2012-13	12th Plan						
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.85	2012-13	12th Plan						
107	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	2012-13	12th Plan	incl. in 220kV scheme	incl. in 220kV scheme			200	Justification given in 220kV scheme of Laxmangarh
108	(i) 132/33kV, 20/25MVA GSS at Kolukheri P.S.Chhabra (Distt. Baran)	1567.42	2012-13	2014-15	-142.54	-59.82	MVA	25	1000	Voltage Regulation, Laod 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		
	(iii) 1 No. 132kV bay at 132kV GSS Chhipabarod		2012-13	2014-15						
109	(i) 132 kV GSS Arain, Tehsil-Kishangarh (Ajmer)	1283.44	2013-14	2015-16					500	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-43.50%, DL-

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(ii) LILO of 132kV Silora-Malpura line	282.45	2013-14	2015-16	802.10	1308.30				Reduction Scheme . Ex VR-42.50%, DL-41.35%, Saving 77.74 LU.
110	(i) 132 kV GSS Seemalwara (Dungarpur)	1224.06	2013-14	2015-16					400	Voltage Regulation, Laod 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	-155.81	-37.81				
	(iii) 1 No. 132kV bay at 132kV GSS Sagwara	59.38	2013-14	2015-16						
111	(i) 132 kV GSS Degana (Nagaur)	1314.83	2013-14	12th Plan					400	Voltage Regulation, Laod 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	12th Plan	-964.47	-1294.96				
	(iii) 1 No. 132kV bay at 132kV GSS Bherunda	59.38	2013-14	12th Plan						
	(iv) 1 No. 132kV bay at 132kV GSS Sanjoo	59.38	2013-14	12th Plan						
112	(i) 132 kV GSS Kherwara (Udaipur)	1283.44	2013-14	2014-15			MVA	25	1000	Voltage Regulation, Laod 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	1052.57	1892.57	kM	30		
113	(i) 132/33kV, 20/25MVA GSS at Parasneu (Churu)	1283.44	2013-14	12th Plan					50	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-27.90%, DL-23.39%, Saving 140.93 LU.
	(ii) LILO Ratangarh-Sridungargarh line	29.25	2013-14	12th Plan	2048.49	4047.39				
114	(i) 132 kV GSS Posaliya (Arathwara)	1283.44	2013-14	2014-15			MVA	25	600	Voltage Regulation, Laod 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	1120.54	1968.93	kM	8		
115	(i) 132 kV GSS Bagadi (Dausa)	1283.44	2013-14	2014-15			MVA	25	700	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-10.10%, DL-
	(ii) LILO of 132kV S/C Lalsot - Bhadoti line at 132 kV GSS Bagadi (Dausa)	85.52	2013-14	2014-15	-640.65	-851.6	kM	6		
116	(i) 132 kV GSS Gudha Chander Ji, PS Nadauti (Karauli)	1224.06	2013-14	2014-15			MVA	25	700	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-36.60%, DL-
	(ii) 132kV Nangal Sherpur (U/C) - Gudha Chander Ji, PS Nadauti (Karauli)	426.86	2013-14	2014-15	1342.66	2363.19	kM	25		
	(iii) 1 No. 132kV bay at 220kV GSS Nangal Sherpur	59.38	2013-14	2014-15						Saving 102.93LU.
117	(i) 132kV Mahpalwas - Dulaniya line		2013-14	2014-15			kM	25	50	Saving 2.27 LU.
	(ii) 1 no. 132kV bay at132kV GSS Mahpalwas	460.04	2013-14							
	(iii) 1 no. 132kV bay at132kV GSS Dulaniya		2013-14							
118	(i) 132 kV GSS Panchu (Distt. Bikaner)	1224.06	2013-14	2014-15			MVA	25	1000	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-17.10%, DL-
	(ii) 132kV S/C Deshnook - Panchu	682.31	2013-14	2014-15	-270.59	-223.85	kM	40		8.54%, Saving 36.79 LU.
	(iii) 1 No. 132kV bay at 220kV GSS Deshnook	59.38	2013-14	2014-15						
119	(i) 132 kV GSS Nangal Pyariwas (Distt. Dausa)	1283.44	2013-14	2014-15			MVA	25	700	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-9.40%, DL-
	(ii) LILO of 132kV Dausa - Lalsot line for 132 kV GSS Nangal Pyariwas	85.52	2013-14	2014-15	-469.08	-610.79	kM	3		7.17%, Saving 13.01 LU.
120	(i) 132 kV GSS Pahari PS Kaman (Distt. Bharatpur)	1224.06	2013-14	12th Plan					200	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-16.60%, DL-
	(ii) 132kV S/C Kaman - Pahari PS Kaman	375.78	2013-14	12th Plan	-475.05	-588.75				13.50%, Saving 19.97 LU.
	(iii) 1 No. 132kV bay at 220kV GSS Lalsot	59.38	2013-14	12th Plan						
2. New Schemes										
I 400kV										
400kV Interconnecting Lines (Banswara Evacuation) :										
1	400 kV D/C Banswara TPS- Udaipur (Quad Moose) Line	30315.48		12th Plan	N.A.	N.A.			-	This scheme is primarily formed to evacuate Power from Banswara Super Critical TPS
2	400 kV D/C Banswara TPS- Chittorgarh (Quad Moose) Line	34104.37		12th Plan	N.A.	N.A.			-	
400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :										
3	400 kV D/C Suratgarh TPS- Bikaner (Twin Moose) Line	15779.49		12th Plan	N.A.	N.A.			-	This scheme is primarily formed to evacuate power from Suratgarh TPS
400kV Interconnecting Lines (New Solar & Wind Plants) :										

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
4	400 kV D/C Bikaner-Sikar (PGCIL) line (Twin Moose) (ICB2)	20851.16	2012-13	12th Plan	N.A.	N.A.		-	100	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	2012-13	12th Plan	N.A.	N.A.		-		
Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts										
6	400/220 kV, 2 X 500 MVA GSS at Jaisalmer-2 alongwith 1x125 MVAR , 400kV Bus Type Reactor	19379.76	2013-14	12th Plan	N.A.	N.A.		-	200	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	2013-14	12th Plan	N.A.	N.A.		-		
8	400 kV S/C Akal(1)- Jaisalmer-2 line	3518.61	2013-14	12th Plan	N.A.	N.A.		-		
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	2013-14	12th Plan	N.A.	N.A.		-		
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	2013-14	12th Plan	N.A.	N.A.		-		
II 220kV										
Normal Development works										
11	(i) 220/132kV, 1X100 MVA & 132/33kV, 1X20/25 MVA GSS at Niwana (Distt. Jaipur)	3265.96	2013-14	2015-16	89.49				300	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						
12	(i) 220/132kV, 2x160MVA GIS Substation at Jawahar Nagar (Distt. Jaipur)	5912.36	2013-14	12th Plan	NA	NA			100	System strengthening Scheme to help in reducing transmission losses (150.98 LUs). To reduce overloading at 220kV IGN & KKD GSS.
	(ii) 220 kV, 1200Sq.mm., S/C Mansarovar - Jawahar Nagar XLPE Cable	6444.30	2013-14	12th Plan	NA	NA				
	(iii) 220 kV, 1200Sq.mm., S/C Indira Gandhi Nagar - Jawahar Nagar XLPE Cable	7020.71	2013-14	12th Plan	NA	NA				
13	(i) 220/132kV, 1x160MVA GSS at Bherunda (Distt. Nagaur)	2477.41	2013-14	2015-16	16.40	574.48			500	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						
14	New 400 kV & 220 kV Schemes (to be identified)								2500	
III 132kV										
15	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/RREC).									
	(i) 20 nos.132/33kV, 1x20/25 MVA Capacity Grid Sub-Stations	15426.97	2011-12	12th Plan	NA	NA			100	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	42803.82	2011-12	12th Plan	NA	NA				
16	(i) 132 kV GSS bhasina (Distt. Churu)	1224.06	2013-14	12th Plan					300	Voltage Regulation, Laod 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	12th Plan	996.02	1782.7				
	(iii) 1 No. 132kV bay at 132kV GSS Parewara	59.38	2013-14	12th Plan						
17	(i) 132 kV GSS Deh (Distt. Nagaur)	1283.44	2013-14	2015-16					400	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-28.0%, DL-
	(ii) LILO of 132kV Nagaur- Ladnu line	85.52	2013-14	2015-16	100.34	312.2				
18	(i) LILO of 132kV S/C Chomu- Markhi line at 220kV GSS Niwana	169.92	2013-14	2015-16					Incl in 220kV	Justification given in 220kV scheme of Niwana
	(ii) 132kV D/C line from 220kV GSS Niwana to 132kV GSS Govindgarh	254.32	2013-14	2015-16	89.49	564				
	(iii) 2 No. 132kV bay at 132kV GSS Govindgarh	118.76	2013-14	2015-16						
19	(i) 132/33 kV, 20/25 MVA GSS Chhatargarh (Distt. Bikaner)	1224.06	2013-14	12th Plan					50	Voltage Regulation, Laod Catering, Loss Reduction Scheme . Ex VR-40.50%, DL-36.62%. Saving 119.25LU.
	(ii) 132kV S/C Khajuwala- Chhatargarh line	852.61	2013-14	12th Plan	1469.81	2615.79				
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.38	2013-14	12th Plan						
20	(i) 132/33 kV, 20/25 MVA GSS Govindgarh (Distt. Alwar)		2013-14	12th Plan					50	Voltage Regulation, Laod Catering, Loss

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
	(ii) 132kV LILO from 132kV Nagar -Ramgarh line up to 132kV GSS Govindgarh	1509.62	2013-14	12th Plan	61.12	263.99				Reduction Scheme . Ex VR-21.60%, DL-18.10%, Saving 40.34 LU.
21	(i) 132/33 kV, 20/25 MVA GSS Godarli (Distt. Jodhpur)	1622.15	2013-14	12th Plan	51.39	260.51			50	Voltage Regulation, Laod 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	12th Plan						
22	132kV S/C Galifa - Sata line.	997.72	2013-14	12th Plan	-249.79	-295.9			300	System strengthening scheme, Saving 13.62 LU.
	1 No. 132kV bay at 132kV GSS Galifa		2013-14	12th Plan						
	1 No. 132kV bay at 132kV GSS Sata		2013-14	12th Plan						
23	(i) 132/33 kV, 2x50 MVA GIS Sub-station at City Power House, Hathibhata, Ajmer (Distt. Ajmer)	5043.07	2013-14	12th Plan	NA	NA			50	Laod Catering, , Saving 60.55 LU.
	(ii) 132kV S/C XLPE Cable between 132kV GSS Pushkar Road (Kotada) - City Power House (GIS)	3209.8	2013-14	12th Plan						
	(iii) 132kV D/C XLPE Cable between 220/132kV GSS Madar - City Power House (GIS)	6454.65	2013-14	12th Plan						
24	132 kV New Schemes (To be identified)								1100	
	3. Carried Over Liabilities of closed schemes									
1	Carried Over Liabilities (Civil works & Bal.Elect. Works - 220kV & 400kV)of Sub Stations & Lines Commissioned in last 3 years only								1000	
2	Carried Over Liabilities (Civil works & Bal.Elect. Works - 132kV) of Sub Stations & Lines Commissioned in last 3 years only								1000	
	B. Other works (excluding deposit works)									
	1. On going									
1	Energy Meters (Interface Metering)								-	
2	220 kV Bus Bar Protection Scheme								1000	
	2. New									
1	Capacitor banks (MVAR)								1000	
2	Augmentation (EAP & Plan)/(Upgradation)									
	i. Transformers capacity (MVA)								24700	
	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									
3	Automation/ SCADA solutions, RTU's/ BCU's, related primary equipments upgradations, communication interfaces/ channels (under ULDC, up gradation of existing S/S)								2000	
4	Utility Software, IT Software, Other Allied Software, Hardware Equipments (Upgradation / New)								1130	
5	Capital cost on IT/non-IT goods for Integrated MIS & Computerisation in RVPN									
6	Purchase of IT hardwares, custom software, non IT items, computer furniture, net working items and broad band connectivity required under IMIS Project									
7	RMU of equipments & protection schemes of RVPN (Scheme -II & III)								1600	
8	RMU- PLCC Stage -I Scheme								165	
9	Air Conditioning of Control Rooms of 220kV GSS								100	
10	Allocation by CCOA								1500	
11	Roof Top Solar Power Plant at Vidvut Bhawan, Jaipur								-	
	TOTAL A + B								181000	

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Target During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
C	Deposit work									
1	33 KV Line on 132 KV towers with ACSR Panther conductor from 1 32 KV GSS, Pokran to Nachna Fanta (85 Kms) Sanctioned Estimate Rs 1413.40 Lacs Augumentation of Transformer capacity by 20/25 MVA. 132/33 KV work at 1 32 KV GSS Pokran Sanctioned Estimate Rs 457.40 Lacs Shifting of towers falling in submersed part of 132 KV Chandan-Pokran lin near Biliva									
2	33 KV Bay Work at 220 KV GSS Boranada									
3	33 KV Bay Work at 220 KV GSS Boranada									
4	33 KV Bay Work at 220 KV GSS Boranada									
5	33 KV Bay Work at 220 KV GSS Boranada									
6	220 KV DIG line from 220 KV GSS Pindwara to Railway TSS at Pindwara for M/s DFCCIL App Length 10km. 2 Nos. 220 KV Bays at 220 KV GSS Pindwara for M/s DFCCIL includino cost of shifting of 1 32 KV Binani ine. Installation of PLCC equipment									
7	220 KV D/C line from 220 KV GSS Ball to Railway TSS at Falna for M/s DFCCIL App Length 1 5 km 2 Nos. 220 KV Bays at 220 KV GSS Bali for M/s DFCCIL indudmo cost of shifting of 132 KV Rani line. Installation of PLCC equipment									
8	132/33 kv 20/25 MVA Trans. At PS-1 Bap (IGNP) & construction of 03 nos. 33 kv bays									
9	Const of 132 kv S/C iorunda-Nimbol line									
10	01 no. 132 kvbavat 132 kv GSS. Borunda									
11	Modification of 220 kv D/C Bilara-Haripur line									
12	Cost of 2 Nos. 220 kv Bays at 220 kv GSS, Bilara									
13	220KV D/C line from 220KV GSS nos 220KV GSS at 220KV GSS Kishangarh									
14	Modification of 220KV S/C Beawar Merta line									
15	Modification of 13KV S/C Beawar-Merta line									
16	Constru,tion of 220KV D/C line from 400KV GSS Babai to TSS DFCC along with two Nos 220KV Bay at 400KV GSS Babai.									
17	Modification of 13KV S/C Sikar- Nawalgarh line									
18	Modificstion of 220KV D/C KTPS-Beawar lme.									
19	220KV D/C line from 220KV GSS Jethana to M/s DFCC with two nos 220KV GSS at 220KV GSS Jethana.									
20	Const. of 132KV S/C line from 132KV GSS Danta to M/s Kanchan India Ltd., Danta with one No. 132KV Bayat Danta GSS.									
21	220KV D/C line from 220KV GSS Reengus to M/s DFCC with two nos 220KV GSS at 220KV GSS Reengus									
22	Modification of 13KV S/C Khetri-Chirawa line									
23	33 kv feeder bay at 132 kv GSS Bhatwar									
24	132 kv S/C line from 132 kv GSS Rasoolpur									
25	132 kv feeder bay at 132 kv GSS Rasoolpur for M/s J.K. Cement Mangrol									
26	Deposit work for Raising the height of 440KV S/C HPR-Merta line b/w loc. No. 142C+3 to 143D+3 due to DFCCI for proper clearance chainage in case of detour 28360 (KM-564) (WIM NO. 10/12-13) Budget provision Rs.39082922/-									
27	Deposit work for shifting of 132 KV S/C Phulera-Dudu line b/w existing Railway Km/DFC chainage in case of detour 30300-30400 (approx.-1.156 km.) (WIM NO. 11/12-13) Budget provision Rs. 8780000/-									

(Revised Physical & Financial Targets & Achievement)										
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		(Rs. In Lacs)			Remarks and (Justification of the Scheme)
					5th year	10th year	Physical Target Unit km/MVA	Provision During the year 2014-15 (Revised target) working	Provision During year 2014-15 (Revised budget provision)	
1	2	3	4	5	6	7	8	10	13	14
28	Deposit work for shifting of 132 KV S/C Phulera-Sirsi line b/w existing Railway Km/DFC chainage in case of detour 31860-31900 (approx.-1.220 km.) (WIM NO. 12/12-13) Budget provision Rs.7214907/-									
29	Deposit work for shifting of 132 KV S/C Phulera-Dudu line b/w existing Railway Km/DFC chainage in case of detour 31400-31500 (approx.-0.334 km.) (WIM NO. 13/12-13) Budget provision Rs.4316422/-									
30	Deposit work for shifting of 132 KV S/C Phulera-heerapura line b/w existing Railway Km/DFC chainage in case of detour 31000-31100 (approx.-1.62 km.) (WIM NO. 14/12-13) Budget provision Rs.11719433/-									
31	Deposit work for shifting of 132 KV S/C Phulera-Bagru line b/w existing Railway Km/DFC chainage in case of detour 30500-30600 (approx.-0.840 km.) (WIM NO. 15/12-13) Budget provision Rs.8279694/-									
32	Deposit work for const of 33 KV feeder bay for RHB colony sector-8 I.G.Nagar from 220 KV I.G.Nagar									
33	Deposit work regarding re-designing the profile & shifting of 132 KV LILO HT line crossing at Bhankrota, kothari farm house, NH-8 JPR									
34	Raising work of 132 KV D/C Kota-Jawahar Sagar Ckt. No.- 2 and 3 from Location No.- 22 A to 25 A (Deposit work of NHAI)									
35	Const. of 1 no. 132 KV feeder bay alongwith 132 KV S/C line from 132 KV GSS, Tizara in favour of M/s Kajaria Ceramics Ltd., vill. Gailpur, Tehsil- Tizara, Alwar (Deposit Work)									
36	Const. of 1 no. 33 KV bay for BPCL at 220 KV GSS, Bharatpur									
37	Re-routing & dismantling of 220 KV D/C Line Alwar- Bhiwadi and Bhiwadi (PGCIL) Line in the premises of RIICO									
38	Shifting/Modification of 132KV Dausa - Lalsot line crossing for proposed Rly. Tract									
39	Raising the height of 132KV Puranaghat - Sitapura line between location N.45-46 at Jagaatpura									
40	Shifting/raising the height of 132KV S/C Neemrana-Behror line Crossing over the Commpl.plot SP2/6C Neemrana of Sh. Naveen Goar.									
41	Shifting/modification of 132Kv Hindaun-Gangapur line between Location No. 228 & 229 at crossing new Dausa-Gangapur Railway line									
Total C										

RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.
Investment Proposals for the Financial Year 2014-15(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
A	Approved Scheme											
	I. ON GOING SCHEMES											
	I 765kV SCHEMES											
	Composite Power Evacuation System (Chhabra Super Critical TPS (2x660MW) & Kalisindh TPS (2x600 MW))											
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			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			4120.00	16480.00	20600			
3	765 kV, 1X S/C Anta- Phagi(Jaipur South) ckt - I	34080.79	6816.16	27264.63			50.00	200.00	250			
4	765 kV, 1 X S/C Phagi(Jaipur South)- Anta ckt -II	34080.79	6816.16	27264.63								
	Evacuation system for Kawai Super Critical TPS (2x660MW)											
5	Additional 1x1500 MVA, 765/400 kV transformer (3rd transformer) at 765/400 kV pooling station Anta (Baran)	16161.12	3232.22	12928.90			Incl in I.2	Incl in I.2	Incl in I.2			
	II 400kV Schemes											
	Composite Evacuation System (Chhabra Super Critical TPS (2x660MW) and Kalisindh TPS (2x600 MW))											
1	400/220 kV GSS at Ajmer	12334.01	2466.80	9867.21			520.00	2080.00	2600			
2	Terminal 400 kV Bays at existing 400 kV Substation at Heerapura	996.09	199.22	796.87								
3	400 kV D/C (Quad Moose) Kalisindh TPS -Anta(Baran) Pooling Station Line (For Kalisingdh TPS)	18948.83	3789.77	15159.06			10.00	40.00	50			
4	400 kV D/C (Quad Moose) Chhabra SCTPS - Anta(Baran) Pooling Station Line (For Chhabra TPS)	24632.16	4926.43	19705.73			40.00	160.00	200			
5	400 kV D/C (Twin Moose) Phagi (Jaipur 765 kV)-Ajmer Line	11603.74	2320.75	9282.99			400	1600	2000			
6	400 kV D/C Phagi (Jaipur) - Heerapura line	3716.19	743.24	2972.95								
	Power Evacuation of Banswara Super Critical TPS											
7	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	2958.19	11832.77			140.00	560.00	700			
8	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			60	240	300			
9	Terminal 400 kV Bays at existing 400kV Substation Bhilwara	2440.86	488.17	1952.69								
	400kV Interconnecting Lines (Banswara Evacuation) :											
10	400 kV D/C Chittorgarh-Bhilwara (Twin Moose) Line (Under normal development)	4644.14	928.83	3715.31			500.00	2000.00	2500			
11	400 kV D/C Bhilwara-Ajmer (Twin Moose) Line	13923.6	2784.72	11138.88			600.00	2400.00	3000			
12	LLO of 400kV Jodhpur -Merta line at 400 kV GSS Jodhpur(New)	3716.19	743.24	2972.95			220.00	880.00	1100			
	Power Evacuation Scheme of Suratgarh Super Critical TPS											
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			320.00	1280.00	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								
16	400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :											
17	400 kV D/C Suratgarh TPS- Babai (Jhunjhunu)(Quad Moose) Line	43576.58	8715.32	34861.26			1040.00	4160.00	5200			
18	400 kV S/C Bikaner- Merta (Twin Moose) Line	11899.74	2379.95	9519.79			400.00	1600.00	2000			
	Evacuation system for Kawai Super Critical TPS (2x660MW)											
19	(i) 400 kV D/C (Quad Moose) Kawai SCTPS-765/400 kV Anta (Baran) line	14944.75	2988.95	11955.80			10.00	40.00	50			
	(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 765kV Anta	Incl. in 765kV Anta	Incl. in 765kV Anta			
	Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur District											

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
20	400/220 kV, 3 X 500 MVA and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 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)	30820.43	6164.09	24656.34			260.00	1040.00	1300			
21	400/220 kV, 3 X 315 MVA and 220/132kV, 3x160 MVA with 132/33kV, 2x40/50 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)	33616.41	6723.28	26893.13			260.00	1040.00	1300			
22	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. (ADB TR-1)	8832.48	1766.50	7065.98			20.00	80.00	100			
23	Augmentation of 400kV GSS Jodhpur (New)											
	(i) 2x50 MVAR, 400kV Shunt Reactor (line type) at 400kV GSS Jodhpur (New) for 400kV D/C Akal-Jodhpur(New) line	3701.39	740.28	2961.11			Incl in 400 kV	Incl in 400 kV	Incl in 400 kV			
	(ii) 400kV bays at Jodhpur (New) for LILO of one ckt. of 400kV D/C Raj West LTPS-Jodhpur line.											
24	Augmentation at 400kV GSS Barmer											
	(i) 1x125 MVAR, 400kV Shunt Reactor (Bus type) at 400kV GSS Barmer (ADB TR-1)	3177.51	635.50	2542.01			20	80	100			
	(ii) 400kV bays for 400kV D/C Barmer-Bhinmal (PG) line											
25	Augmentation at 400kV GSS Bikaner											
	(i) 1x125 MVAR, 400kV Bus Reactor at 400kV GSS Bikaner GSS (ADB TR-1)	4968.21	993.64	3974.57			20.00	80.00	100.00			
	(ii) 400kV Bays for 400kV D/C Bhadla-Bikaner line and 400kV D/C Bikaner-Sikar (PGCIL) line at Bikaner end of the lines											
26	400kV Interconnecting Lines (New Solar & Wind Plants) :											
	(i) 400 kV D/C Ramgarh(Jaisalmer)-Akal (Jaisalmer) line (Twin Moose) (ADB TR-1)	9931.72	1986.34	7945.38			60.00	240.00	300			
	(ii) 400 kV D/C Ramgarh-Bhadla line (Twin Moose)	17873.13	3574.63	14298.50			700.00	2800.00	3500			
	(iii) 400 kV D/C Bhadla-Bikaner line (Quad Moose)	42589.27	8517.85	34071.42			1300.00	5200.00	6500			
	(iv) 400 kV D/C line from 400/220kV Pooling Station Bhadla to LILO point at 400kV S/C Jodhpur-Merta line (Twin Moose) (ADB TR-1)	15887.78	3177.56	12710.22			40.00	160.00	200			
	(v) 400 kV D/C Barmer-Bhinmal (PGCIL) line (Twin Moose) (ADB TR-1)	13902.43	2780.49	11121.94			20.00	80.00	100			
	(vi) LILO of one circuit of 400kV D/C Raj West-Jodhpur line at 400kV GSS Jodhpur (New) (Twin Moose)	4968.34	993.67	3974.67			700.00	2800.00	3500			
27	Inter- connect RVPN's 765/400 kV Anta GSS to PGCIL's 400/220 kV Kota GSS											
	(i) LILO of 2 nd circuit of 400 kV D/C Chhabra TPS-Dahra section at 765/400 kV Anta GSS	92.65	18.53	74.12			60	240	300			
	(ii) 400kV bay equipments work at 765/400kV Anta GSS	1811.54	362.31	1449.24								
	(iii) 400 kV S/C line extension from 765/400 kV Anta GSS to PGCIL's 400/220 kV Kota GSS	2686.80	537.36	2149.44								
28	400 kV GSS Deedwana (RVPN Scope)											
	(i) 1 No. 400kV bay at 400kV GSS Bikaner (For termination of 400kV S/C Bikaner - Deedwana line at Bikaner end)	1849.58	369.916	1479.664			40	160	200			
	(ii) 1 No. 400kV bay at 400kV GSS Ajmer (For termination of 400kV S/C Ajmer - Deedwana line at Ajmer end)											
29	400 kV GSS Alwar (RVPN Scope)											
	(i) 1 No. 400kV bay at 400kV GSS Hindaun (For termination of 400kV S/C Hindaun - Alwar line at Hindaun end)	1346.62	269.32	1077.30			40.00	160.00	200			
III	220kV SCHEMES											
	Normal development work:											
1	Jaipur City EHV network strengthening scheme-1											
(a)	220/132kV, 2x160 MVA capacity GIS Substation at Mansarovar (Jaipur) alongwith associated lines and allied works											
i.	220 kV GIS Substation at existing 132 kV Substation at Mansarovar (Jaipur)	7476.20	1495.24	5980.96			40	160	200			
ii.	Up-gradation of existing 132 kV D/C Line to 220 kV D/C Lines Between 220 kV Sanganer to 220 kV Mansarovar	723.52	144.70	578.82								
iii.	2 Nos. 220 kV Terminal Bays at 220 kV Substation at Sanganer	236.83	47.37	189.46								
iv.	(a) 220 kV S/C Tapping Line on Tubular Pole/Narrow base Tower (1.5 Km), 220 kV D/C Composite Portion on Tubular Pole/ Narrow base Tower (2 Km) by conversion of existing 132 kV S/C Heerapura-Sanganer Line & 220 kV XLPE Cable S/C (2.5 Km) from Tapping Point. (LILO of Sanganer- Heerapura line for Mansarovar)	4387.28	877.46	3509.82								
	(b) 220 kV XLPE Cable S/C from Tapping Point.											
v.	1 Nos. 220 kV Terminal Bays at 400 or 220 kV Substation at Heerapura	118.41	23.68	94.73								
vi.	132 kV Terminal Bay at existing 132 kV Substation at Chambal	59.54	11.91	47.63								
(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			80	320	400			

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
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								
(c)	Up-gradation of existing 132 kV Line											
i.	Up-gradation of existing 132 kV D/C Line to 220 kV D/C Lines (to be charged on 132 kV for present) between 132 kV Kunda-Ki-Dhani to 132 kV Purana Ghat	789.51	157.90	631.61			0.00	0.00	0			
	Power Evacuation System of Ramgarh GTPS (Stage-III) :											
2	(i) 220 kV D/C Ramgarh GTPP- Chandan line	4327.54	865.51	3462.03			120	480	600			
	(ii) 220 kV D/C Chandan - Dechu line	4327.54	865.51	3462.03								
	Normal development work:											
3	LILO of 220 kV Debari - Banswara line for 220 kV Madri with 220 kV GSS at Madri (Udaipur)	3412.72	682.54	2730.18			10.00	40.00	50			
4	220 kV D/C line to connect the LILO of 220 kV S/C Heerapura-Khetri line(second ckt.) to LILO of one ckt. of 220 kV D/C Neemrana- Kotputli line (116.822 ckM commissioned in 2012-13)	2004.65	400.93	1603.72			0.00	0.00	0			
5	220 kV GSS at Bundi (New location) (Distt. Bundi)	3143.42	628.68	2514.74			0.00	0.00	0			
6	220 kV GSS at Gajner (New location) (Distt. Bikaner)	3430.74	686.15	2744.59			0.00	0.00	0			
7	(i) 220 kV GSS at Manoharpur (Upgradation) (Distt. Jaipur)	2758.31	551.66	2206.65			40	160	200			
	(ii) 220 kV D/C Kotputli-Manoharpur line	2001.28	400.26	1601.02								
8	(i) 220 GSS at Gangapurcity (New location) (Distt. Sawai Madhopur)	3610.37	722.07	2888.30			40	160	200			
	(ii) 220 kV D/C Hindaun (400 kV GSS) - Gangapurcity line	1668.10	333.62	1334.48								
9	220/132kV GSS at Nadbai (Upgradation) (Distt. Bhartpur)	2107.49	421.50	1685.99			0.00	0.00	0			
10	(i) 220/132kV GSS at Tehandesar (Upgradation) (Distt. Churu)	2246.70	449.34	1797.36			100	400	500			
	(ii) 220 kV S/C Sujangarh-Tehandesar line.	996.79	199.36	797.43								
11	(i) 220/132kV GSS at Badnu (Upgradation) (Distt. Bikaner)	2388.21	477.64	1910.57			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								
12	(i) 220/132kV, 1x100 MVA GSS at Sikrai (Upgradation) (Distt. Dausa)	1976.41	395.28	1581.13			0.00	0.00	0			
13	220/132kV GSS at Hamirgarh (UPG) (Distt. Bhilwara)	2335.92	467.18	1868.74			0.00	0.00	0			
14	(i) 220/132kV GSS at Lalsot (Distt. Dausa)	2430.96	486.19	1944.77			40.00	160.00	200			
	(ii) 1 No bay at 132kV GSS Toonga		0.00	0.00			0.00	0.00				
	(iii) 1 No bay at 220kV GSS Bhadoti		0.00	0.00			0.00	0.00				
	(iv) LILO of 220 kV S/C Dausa-Anta line at 220 kV GSS Lalsot	342.65	68.53	274.12			0.00	0.00				
15	(i) 220 kV S/C Sirohi- Pindwara line	736.38	147.276	589.104			40	160	200			
	(ii) 1 no.bays at 220kV GSS Sirohi											
	(iii) 1 no.bays at 220kV GSS Pindwara											
16	(i) 220kV GSS at Bamantukda (Distt. Rajsamand)	3273.50	654.70	2618.80			200	800	1000			
	(ii) LILO of existing 220 kV S/C Bhilwara (400 kV GSS)-Bali line at 220 kV GSS Bamantukda	242.06	48.41	193.65								
	(iii) LILO of existing 220 kV S/C Kankroli (220 kV GSS)-Bali line at 220 kV GSS Bamantukda	173.53	34.71	138.82								
	Composite Power Evacuation System [Chhabra Super Critical TPS(2x660MW) and Kalisindh TPS (2x600 MW)											
17	LILO 220kV Ajmer-Beawar Line at 400kV Ajmer GSS	408.5	81.70	326.80			20	80	100			
18	LILO 220kV Ajmer-Kishangarh Line at 400kV Ajmer GSS	408.5	81.70	326.80								
	Power Evacuation System of Banswara Super Critical TPS (2x660 MW)											
19	220kV Interconnecting Lines at Udaipur:											
	(i) LILO of Amberi(Prop 220 kV GSS)-Debari line at proposed 400 kV GSS Udaipur.	2043.68	408.736	1634.944			20	80	100			
	(ii) LILO of Chittorgarh-Debari line at proposed 400 kV GSS Udaipur.											
20	220kV Interconnecting Lines at Chhitorgarh :											
	(i) 220 kV D/C from 400kV Chittorgarh to 220kV GSS Sawa	2043.68	408.736	1634.944			160	640	800			
	(ii) LILO of 220kV S/C Chittorgarh - Debari line at 400kV GSS Chittorgarh											
	(iii) 2 No 220kV bays at 220kV GSS Sawa											
21	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	408.736	1634.944			120	480	600			

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
	(ii) 220 kV D/C Jodhpur (New) - Jhalamand (U/C 220 Kv GSS)											
	(iii) 220 kV D/C Jodhpur (New) - Barli (U/C 220 Kv GSS)											
22	220 kV D/C Banswara TPS- Banswara (220 kV GSS) Line	409.62	81.92	327.70			0.00	0.00	0			
	Power Evacuation System of Suratgarh Super Critical TPS											
	220kV Interconnecting Lines :											
23	220 kV Interconnections at 400/ 220 kV GSS Babai(Jhunjhunu)											
	(i) LILO of existing 220 kV S/C Khetri-Reengus line at 400kV GSS Babai (Jhunjhunu)	40.85	8.17	32.68			1	4	5			
	(ii) LILO of existing 220 kV S/C Khetri-Heerapura line at 400kV GSS Babai (Jhunjhunu)											
24	220 kV Terminal Bays at various 400/220 kV Substations (6 No.)	1078.12	215.62	862.50			40.00	160.00	200			
25	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)	2453.3	490.66	1962.64			0	0	0			
	(ii) 220 kV D/C line from 400kV GSS jaipur (North) to GSS Manoharpur											
	(iii) 2 No. bays at 220kV GSS Manoharpur.											
26	JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]											
(a.)	220 kV GSS at Sitapura (New) and associated lines.											
	(i) 220 kV Substation at Sitapura (Jaipur)	2769.07	553.81	2215.26			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 to 220 kV D/C Lines Between 220 kV Indira Gandhi Nagar to 132 kV Sitapura (Charged on 132 kV)	741.72	148.34	593.38								
	(v) 2 Nos. 132kV Terminal Bays at 132 kV S/S Sitapura.	123.50	24.70	98.80								
	(vi) 220 kV D/C Interconnection between 220 kV Sitapura (Proposed) and 132 kV Sitapura (Existing) [Charged on 132 kV]	85.73	17.15	68.58								
	(vii) 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								
	(b.) Up-gradation of existing 132 kV S/C Line to 220 kV D/C Lines Between 132 kV Purana Ghat to 132 kV Bassi (Charged on 132 kV) (associated line of 220kV KKD)	1594.08	318.82	1275.26			10.00	40.00	50			
	(c.) 220 kV S/C XLPE Cable System from 400 kV Heerapura to 220 kV Nala Power House	8554.36	1710.87	6843.49			20.00	80.00	100			
27	JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JENSS-I]											
(a.)	220 kV GSS at Barli (Distt. Jodhpur)	5098.42	1019.68	4078.74			120	480	600			
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-II at Barli	102.15	20.43	81.72								
(b.)	(i) 220 kV GSS at Jhalamand (Up-gradation) (Distt. Jodhpur)	4351.64	870.33	3481.31			20.00	80.00	100			
	(ii) LILO of 220kV Jodhpur (400kV GSS)-Jodhpur (220kV GSS) interconnector-I at Jhalamand	35.52	7.10	28.42								
(c.)	(i) 220 kV GSS at Bhawad (Distt. Jodhpur)	4443.18	888.64	3554.54			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)	2534.36	506.87	2027.49								
	(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								
(d.)	(i) 220 GSS at Bhadwasia (Distt. Jodhpur)	4132.92	826.58	3306.34			20.00	80.00	100			
	(ii) 220kV D/C Jodhpur (400kV GSS)-Bhadwasia line (on Narrow base towers with one ckt. on 220kV & other on 132kV)	915.3	183.06	732.24								
	(iii) 2 No. bays at 400kV Soorpara	191.47	38.29	153.18								
(e.)	Strengthening scheme of existing 132kV Chopasani Housing Board (CHB) GSS											
	(i) 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	193.89	775.58			0.00	0.00	0			
28	(i) 220 GSS at Kuchera (New location) (Distt. Nagaur)	3145.95	629.19	2516.76			100.00	400.00	500			
	(ii) LILO of 220 kV Nagaur - Merta line at proposed 220 kV GSS Kuchera	400.56	80.11	320.45								
29	Stringing of IInd circuit of 220kV D/C Banswara-Debari line from Debari to Salumber (scheme with 220kV Aspur) RFD 2013-14	755.30	151.06	604.24			32.00	40.00	50			
	Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur District											
30	(i) 220/132kV GSS at Bap (Distt. Jodhpur) (RFD 2013-14)	6583.53	1316.71	5266.82			40	160	200			

(Source of Funding)												
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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
	(ii) LILO of 220kV Barsingsar LTPS-Phalodi line at at Bap	955.14	191.03	764.11								
	(iii) 220kV D/C Bap-Bhadla line	3438.51	687.70	2750.81								
31	(i) 220/132kV GSS at Kanasar (Distt. Jodhpur)	6450.30	1290.06	5160.24			240	960	1200			
	(ii) 220kV D/C Bhadla - Kanasar line	955.14	191.03	764.11								
	Normal Development Works											
32	(i) 220/132kV GSS at Mandalgarh(New) (Distt. Bhilwara) (TK)	3105.93	621.19	2484.74			60	240	300			
	(ii) LILO of 220kV Kota (PG) -Bhilwara line at proposed 220 kV GSS Mandalgarh	601.93	120.39	481.54								
33	(i) 220/132kV GSS at Chonkarwada (Distt. Bharatpur) (TK)	3277.35	655.47	2621.88			200	800	1000			
	(ii) 220 kV D/C Hindaun (400kV GSS)-Chonkarwada line	1886.79	377.36	1509.43								
	(iii) LILO of 220kV S/C Mandawar-Nadbai-Bharatpur line at 220kV Chonkarwada	105.00	21.00	84.00								
	(iv) 2 No. 220kV bays at 400kV GSS Hindaun	181.16	36.23	144.93								
	(v) 2 No. 132kV bays at GSS Bhusawar	119.40	23.88	95.52								
	(vi) 2 No. 132kV bays at GSS Mahuwa	119.40	23.88	95.52								
34	(i) 220/132kV GSS at Baithwasia (Distt. Jodhpur)	3294.64	658.93	2635.71			360	1440	1800			
	(ii) 220kV D/C Bhawad-Baithwasia line	1372.81	274.56	1098.25								
	(iii) 2 No. 220kV bays at 220kV GSS Bhawad	181.16	36.23	144.93								
	(iv) 2 No. 132kV bays at Osian	119.39	23.88	95.51								
	(v) 1 No. 132kV bays at Matoda	59.70	11.94	47.76								
35	(i) 220/132kV GSS at Behror (Distt. Alwar)(TK)	3377.74	675.55	2702.19			100	400	500			
	(ii) LILO of one circuit of 220 kV D/C Neemrana-Kotputli line at proposed 220kV GSS Behror	344.85	68.97	275.88								
36	(i) 220/132kV GSS at Bansur (Distt. Alwar)(TK)	3041.24	608.25	2432.99			120	480	600			
	(ii) LILO of 220 kV S/C Alwar-Kotputli line at proposed 220 kV GSS at Bansur	70.73	14.15	56.59								
37	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)	764.63	152.93	611.70			140	560	700			
	(ii) 2 No bays at Behror	181.16	36.23	144.93								
38	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			120	480	600			
	(ii) 220 kV D/C line from PGCIL's 400/220 kV Kotputli(PG) to Bansur (TK)	764.63	152.93	611.70								
	(iii) 2 No bays at Bansur	181.16	36.23	144.93								
39	(i) 220/132kV GSS at Amberi (Distt. Udaipur) (TK)	4391.47	878.29	3513.18			60	240	300			
	(ii) LILO of 220 kV S/C Kankroli(PG)-Debari line at proposed 220 kV GSS Amberi											
40	(i) 220/132kV GSS at Danta Ramgarh (Distt. Sikar) (RFD 2013-14)	2199.65	439.93	1759.72			260	1040	1300			
	(ii) 1 Nos bay at 220kV GSS Renwal	90.58	18.12	72.46								
	(iii) 1 Nos bay at 220kV GSS Dhod	90.58	18.12	72.46								
	(iv) 220 kV S/C Renwal-Danta Ramgarh line	564.06	112.81	451.25								
	(v) 220 kV S/C Dhod -Danta Ramgarh line	705.07	141.01	564.06								
41	Interconnections for 400 kV GSS Deedwana (RVPN Scope)											
	(i) LILO of proposed 220 kV S/C Kuchamancity - Dhod line at proposed 400 kV GSS Deedwana	Incl in 400kV	Incl in 400kV	Incl in 400kV			180	720	900			
	(ii) 2 No. 220 kV bay at 220kV GSS Sujangarh (For termination of 220kV D/C Sujangarh - Deedwana line at Sujangarh end)											
42	Interconnections for 400 kV GSS Alwar (RVPN Scope)											
	(i) LILO of existing 220 kV S/C Dausa-Alwar line at proposed 400 kV GSS Alwar	191.90	38.38	153.52			20	80	100			
	(ii) LILO of 220 kV S/C Mandawar - Alwar (MIA) line at proposed 400 kV Alwar GSS	19.99	4.00	15.99								
43	400 kV GSS Nawalgarh (RVPN Scope)											
	(i) 1 No. 220 kV bay at 220kV GSS Sikar(400kV GSS PGCIL) (For termination of 220kV S/C Sikar (400kV GSS PGCIL) - Nawalgarh line at Sikar end). This bay will be provided by PGCIL to RVPN.	Incl in 400kV Scheme	Incl in 400kV Scheme	Incl in 400kV Scheme			0	0	0			
	(ii) 1 No. 220 kV bay at 220kV GSS Jhunjhunu (For termination of 220kV S/C Nawalgarh - Jhunjhunu line at Jhunjhunu end)											
44	Jaipur City EHV Network Strengthening Scheme-IV (Phase-I)											
	(a) (i) 220 kV GIS Substation at Chambal (Jaipur)	10859.74	2171.95	8687.79			20	80	100			
	(ii) 2 Nos. 220 kV Terminal Bays at 400/ 220 kV Substation at Heerapura	231.51	46.30	185.21								
	(iii) 1 No. 220 kV Terminal GIS Bay at 220 kV Substation at Mansarovar	471.44	94.29	377.15								
	(iv) 220 kV D/C Cable System between 400 kV Heerapura and 220 kV Chambal	8681.82	1736.36	6945.46								

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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
	(v) 220 kV S/C Cable System between 220 kV Mansarovar and 220 kV Chambal	3177.88	635.58	2542.31								
(b)	(i) 220/132kV,1x160MVA &220/33kV ,1X50MVA GIS Substation at PWD Bungalow (Jaipur)	4795.95	959.19	3836.76								
	(ii) 1 No. 220 kV Terminal Bay at 220 kV Substation at VKIA	114.22	22.84	91.37								
	(iii) 220 kV S/C Cable System between 220 kV Chambal and 220 kV PWD Bungalow	3761.12	752.22	3008.90								
	(iv) 220 kV S/C Cable System between 220 kV VKIA and 220 kV PWD Bungalow	9163.47	1832.69	7330.77								
	Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts											
45	(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			800	3200	4000			
	(ii) 2 Nos. 220kV bays at 220kV GSS Bap	224.14	44.83	179.31								
	(iii) LILO of one circuit of 220 KV D/C Bap - Bhadla line at Badisid	698.37	139.67	558.70								
	(iv) 220 KV D/C Badisid-Aau (Proposed 220 KV GSS) line	2327.91	465.58	1862.33								
46	(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			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								
47	(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	984.25	3937.01			40	160	200			
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Bhadla	224.14	44.83	179.31								
	(iii) 220 KV D/C PS_1 / Bajju -Bhadla (U/C 400 KV GSS) line	931.16	186.23	744.93								
48	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Ramdev Nagar (Phalodi)(Jodhpur Distt.):	4696.80	939.36	3757.44			0	0	0			
	(ii) LILO of one circuit of U/C 220 KV D/C Dechu-Phalodi line at proposed 220 KV GSS Ramdev Nagar	232.79	46.56	186.23								
49	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Chatrail (Distt. Jaisalmer)	4741.94	948.39	3793.55			80	320	400			
	(ii) 2 Nos. 220kV bays at 220kV GSS Ramgarh (400kV GSS)	224.14	44.83	179.31								
	(iii) 220 KV D/C Chatrail-Ramgarh (U/C 400 KV GSS) line	2793.49	558.70	2234.79								
50	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Pokran (New loc.)(Jaisalmer Distt.):	5133.01	1026.60	4106.41			40	160	200			
	(ii) LILO of both circuits of U/C 220 KV D/C Ramgarh GTPP – Dechu line at Pokaran	465.58	93.12	372.47								
51	(i) 220/132 KV, 1x160 MVA and 132/33kV, 1x20/25 MVA GSS at Kolayat (New loc.)(Bikaner Distt.):	4921.26	984.25	3937.01			40	160	200			
	(ii) 2 Nos. 220kV bays at 220kV GSS Gajner	224.14	44.83	179.31								
	(iii) 220 KV D/C Gajner (U/C 220 KV GSS)-Kolayat line	698.37	139.67	558.70								
52	LILO of both circuits of 220kV D/C Ramgarh GTPS- Dechu line at 400kV Ramgarh (1km D/C each for both circuits)	34.21	6.84	27.37			6.00	24.00	30			
53	Optical Fibre Cable System for 220kV & 132kV Schemes already approved under Main Transmission System for New Solar & Wind Power Plants & Smart Grid Applications. (ADB)											
	(i) 220kV Transmission Lines already approved under Main Transmission System for Solar & Wind Power Plants (Total Route length 140km)	902.54	180.51	722.03			40	160	200			
	(ii) Software Development for Integration/Innovation, Smart Grid Applications etc.	128.93	25.79	103.15								
	Power Evacuation System for Proposed Wind Project in Banswara and Pratapgarh area											
54	(i) 220kV Switching Station at Banswara	2575.74	515.15	2060.59			10	40	50			
	(ii) 2 Nos bays at 220kV GSS Banswara	181.16	36.23	144.93								
	(iii) 220 kV D/C line between 220 kV Switching Station at Banswara & 220 kV GSS Banswara	343.53	68.71	274.82								
	(iv) Termination of approved 220 kV D/C Banswara SCTPS-Banswara (220 kV GSS) line at 220 kV Switching Station Banswara.											
55	(i) 220/132kV,1x100MVA GSS at Pratapgarh (Up-gradation)	2635.20	527.04	2108.16			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) 220/132kV, 2x160 MVA GSS at NPH Jodhpur (Up-gradation)	3213.46	642.69	2570.77			140.00	560.00	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								
57	(i) 220/132kV, 1x100 MVA GSS at Sayla (Distt. Jalore)	3417.40	683.48	2733.92			560	2240	2800			
	(ii) 1 No. 220kV extension bay at 220kV GSS Jalore	92.14	18.43	73.71								
	(iii) 220 kV D/C Bhinmal(400 kV GSS-PG)-Sayla (proposed 220 kV GSS) line	1744.99	349.00	1395.99								

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/ subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/ subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
	(iv) 220 kV S/C Jalore -Sayla(proposed 220 kV GSS) line	1129.29	225.86	903.43								
58	(i) 220/132kV, 1x100 MVA GSS at Jethana (Distt. Ajmer)	3532.99	706.60	2826.39			340	1360	1700			
	(ii) 2 Nos. 220kV bays at 400/220kV GSS Ajmer (2x82.24)	184.28	36.86	147.42								
	(iii) 1 No. 132kV extension bay at 132kV GSS Saradhana	60.72	12.14	48.58								
	(iv) LILO of 220 kV S/C Ras-Merta line at proposed 220 kV GSS Jethana	699.34	139.87	559.47								
	(v) 220kV D/C Ajmer (400 kV GSS)-Jethana (proposed 220 kV GSS) line	1222.17	244.43	977.74								
59	(i) 220/132kV, 1x160 MVA GSS at Goner (Distt. Jaipur)	4890.26	978.05	3912.21			220	880	1100			
	(ii) LILO of one circuit of proposed 220kV D/C Jaipur (South) - Chaksu line at proposed 220kV GSS Goner.	1209.73	241.95	967.78								
60	(i) 220/132kV, 1x160 MVA GSS at Vatika (Distt. Jaipur)	4641.44	928.29	3713.15			400	1600	2000			
	(ii) 220 kV D/C Jaipur (South-PG) - Vatika line.	1036.91	207.38	829.53								
	(iii) LILO of 220kV S/C KTPS- Sanganer line at proposed 220kV Vatika.	276.51	55.30	221.21								
61	Connectivity with PGCIL's under construction 400/220kV GSS Jaipur (South-PG											
	(i) 220/132kV, 1x160 MVA GSS at Chaksu (Distt. Jaipur) (Upgradation)	2317.25	463.45	1853.80			120	480	600			
	(ii) 220 kV D/C Jaipur (South-PG) - Chaksu (Proposed 220kV GSS) line.	345.64	69.13	276.51								
	(iii) LILO of 220 kV S/C Duni - SEZ (220kV GSS) line at PGCIL's 400/220kV GSS Jaipur (South)	1011.83	202.37	809.46								
69	(i) 220kV GIS Substation at Banar (Up-gradation) (District- Jodhpur)	5856.50	1171.30	4685.20			80	320	400			
	(ii) 220 kV D/C line on Narrow Base/conventional towers from Jodhpur(400 kV GSS) to proposed 220 kV GIS sub-station Banar (14kM D/C)	815.68	163.14	652.55								
	(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 GIS sub-station Banar(0.5kM D/C)	901.32	180.26	721.06								
70	(i) 220/132kV, 1x100 MVA GSS at Laxmangarh (Up-gradation) (Distt. Sikar)	2143.84	428.77	1715.07			40	160	200			
	(ii) LILO of 220 kV S/C Ratangarh-Reengus line at proposed 220 kV GSS Laxmangarh	140.50	28.10	112.40								
71	(i) LILO of one ckt. Of under construction 220kV D/C Ramgarh GTPS - Dechu line at 220kV GSS Amarsagar.	926.48	185.296	741.184			60	240	300			
	(ii) 2 No. bays at 220kV GSS Amarsagar.											
IV	132kV SCHEMES											
	Normal Development Schemes											
1	Jaipur City EHV network strengthening scheme-1											
	(i) Up-grading and Up-rating of existing 132 kV S/C Line to 132 kV D/C on Tubular Poles between existing 132 kV GSS Mansarovar and 132 kV GSS Chambal and associated terminal bays and strengthening (allied work for GIS Mansarovar)	427.22	85.44	341.78			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme			
	(ii) Up-rating & Refurbishment of 132 kV S/C Line between existing 220 kV Heerapura to 132 kV Chambal and associated strengthening of terminal bays. (allied work for GIS NPH)	263.8	52.76	211.04			incl. in 220kV scheme	incl. in 220kV scheme	incl. in 220kV scheme			
	Normal Development Schemes											
2	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			
3	LILO 132kV Kota-Sangod line at Shivpura with 132kV GSS at Shivpura (Kota)	1261.71	252.34	1009.37			5.00	20.00	25			
4	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			
5	132 kV D/C line from 220 kV SEZ-I to 132 kV SEZ-I with 132 kV GSS at SEZ-I	1175.82	235.16	940.66			10.00	40.00	50			
6	132kV S/C Madri-Dakan Kotda (Transport Nagar) line with 132kV GSS at Dakan Kotda (Transport Nagar), Udaipur	1200.79	240.16	960.63			10.00	40.00	50			
7	LILO 132kV Jodhpur-Baori line for 132 kV Jhalamand with 132kV GSS at Jalamand (Jodhpur)	1078.83	215.77	863.06			10.00	40.00	50			
8	132kV S/C Buhana-Mahpalwas with 132 kV GSS at Mahpalwas (Jhunjhunu) (Line- Turnkey)	1423.7	284.74	1138.96			80.00	320.00	400			
9	LILO 132kV Alwar-Mandawar line for 132 kV Pinan with 132 kV GSS Pinan (Alwar) (Line comm. on 2.4.11)	1181.9	236.38	945.52			0.00	0.00	0			
10	132kV S/C Baseri -Sarmathura line with 132 kV GSS at Sarmathura (Dholpur)	1587.07	317.41	1269.66			0.00	0.00	0			
	Normal Development Works											
11	Pushkar Road- MDS University section (Balance section of 132kV Saradhna-Pushkar Road- MDS University)	213.64	42.73	170.91			0.00	0.00	0			
11	LILO of 132 kV Kishangarh Bas-Khushkhera line with 132 kV GSS at PUR, Kotkasim (Alwar)	1725.59	345.12	1380.47			0.00	0.00	0			
12	LILO of 132 kV Alwar-Bansur line with 132 kV GSS at Vijay Mandir, Alwar City (Alwar)	1426.49	285.30	1141.19			4.00	16.00	20			

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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
13	132 kV S/C Shri Mahaveerji GSS-Nangal Sherpur line with 132 kV GSS at Nangal Sherpur (Karauli)	1642.71	328.54	1314.17			0.00	0.00	0			
14	LILO of 132kV Heerapura-VKIA-Rampura Dabri line with 132 kV GSS at RIICO, Sarna Doongar (Jaipur)	1401.57	280.31	1121.26			10.00	40.00	50			
15	132 kV S/C Karauli -Mandrayal line with 132 kV GSS Mandrayal (Karauli)	2006.46	401.29	1605.17			140.00	560.00	700			
16	LILO of 132 kV Jodhpur-Bilara line with 132 kV GSS at SEZ, Kaparda (Jodhpur)	1476.34	295.27	1181.07			10.00	40.00	50			
17	LILO of 132 kV Padampur-Sri Ganganagar line with 132 kV GSS at Telewala (Sri Ganganagar)	1501.27	300.25	1201.02			10.00	40.00	50			
18	LILO of Sawa-Sata line with 132 kV GSS at Sedwa (Barmer) Line comm.26.9.12	1401.57	280.31	1121.26			0.00	0.00	0			
19	132 kV Padroo-Junameetha Khera-Sindhari line with 132 kV GSS at Junameetha Khera (Barmer) (Line commissioned on 23.7.12 & 15.8.12)	2117.09	423.42	1693.67			0.00	0.00	0			
20	132 kV S/C Sanchore (220kVGSS) - Paladar line with 132 kV GSS at Paladar (Jalore)	1569.96	313.99	1255.97			0.00	0.00	0			
21	132 kV S/C Sri Karanpur - Kaminpura line with 132 kV GSS at Kaminpura (Sri Ganganagar) Line comm. 7.8.12	1715.46	343.09	1372.37			0.00	0.00	0			
22	LILO of 132 kV Beawar-Nasirabad line with 132 kV GSS at Kharwa (Ajmer)	1476.34	295.27	1181.07			10.00	40.00	50			
23	132 kV S/C Kankroli (220kV) -Sapol line with 132 kV GSS at Sapol (Rajsamand)	1686.36	337.27	1349.09			0.00	0.00	0			
24	LILO of 132 kV Banswara-Sagwara line with 132 kV GSS at Partapur (Banswara) Line comm. In 2011-12	1625.89	325.18	1300.71			0.00	0.00	0			
25	132 kV S/C Mavli - Sanwad line with 132 kV GSS at Sanwad (Udaipur)	1642.71	328.54	1314.17			0.00	0.00	0			
26	132 kV S/C Shri Madhopur - Thoi line with 132 kV GSS at Thoi (Sikar)	1657.26	331.45	1325.81			0.00	0.00	0			
27	LILO of 132 kV Bhilwara-Hamirgarh line with 132 kV GSS at RIICO, Bhilwara (Bhilwara) Line comm.2011-12	1576.04	315.21	1260.83			0.00	0.00	0			
28	132 kV S/C Beegod- Kachola line with 132 kV GSS at Kachola (Bhilwara)	1642.71	328.54	1314.17			0.00	0.00	0			
29	132 kV S/C Ajoliya-ka-khera-Bassi line with 132 kV GSS at Bassi (Chittorgarh)	1613.61	322.72	1290.89			0.00	0.00	0			
JAIPUR CITY EHV NETWORK STRENGTHENING SCHEME-III [JENSS-III]												
30	(i) 132 kV GIS Substation at MNIT (Jaipur)	3751.11	750.22	3000.89			60	240	300			
	(ii) 132 kV S/C Cable system between 220 kV IGN and 132 kV MNIT	4442.67	888.53	3554.14								
JODHPUR CITY EHV NETWORK STRENGTHENING SCHEME-I [JDENSS-I]												
31	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			0	0	0			
	(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								
32	LILO of existing 132 kV S/C Jodhpur(220kV GSS)- Bilara line at Jhalamand	103.86	20.77	83.09			0.00	0.00	0			
33	132 kV S/C Karwad/Bhawad-Mathania line	184.00	36.80	147.20			20.00	80.00	100			
34	(i) 132 kV GIS Substation at Engineering College	3947.07	789.41	3157.66			300	1200	1500			
	(ii) 132 kV S/C Cable system between 132 kV OPH and 132 kV Engineering College	1925.10	385.02	1540.08								
	(iii) 132 kV D/C Cable system between 132 kV NPH and 132 kV Engineering College	3938.30	787.66	3150.64								
35	132 kV Hybrid GIS Substation at Kuri Bhagtasani	3405.61	681.12	2724.49			0.00	0.00	0			
36	(i)132 kV Hybrid GIS Substation at Pratap Nagar	3394.61	678.92	2715.69			40.00	160.00	200			
	(ii)132 kV D/C Cable system between 132 kV CHB and 132 kV Pratap Nagar (Proposed)	3965.82	793.16	3172.66			0.00	0.00	0			
37	(i) 132 kV GIS Substation at OPH	4058.32	811.66	3246.66			0	0	0			
	(ii) 132 kV D/C Cable system between 132 kV Banar and 132 kV OPH (Proposed)	4570.60	914.12	3656.48								
	(iii) 3 No. Terminal 132 kV Hybrid GIS Bays at 132 kV GSS Banar	819.20	163.84	655.36								
38	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			
	(ii) 132 kV Terminal Hybrid GIS Bays (4 Incomer/ Outgoing & 1 Bus Coupler)	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								
Works associated with 220kV GRID-SUBSTATIONS												
39	LILO of existing 132 kV S/C Pugal Road-Gajner (PS-4) line at proposed 220 kV GSS Gajner.	206.62	41.32	165.30			0.00	0.00	0			
40	132 kV S/C Manoharpur- Shahpura line (Second circuit)	184.00	36.80	147.20			0.00	0.00	0			
41	132 kV S/C Gangapurcity (220 kV GSS)- Shrimahavir ji line	427.85	85.57	342.28			0.00	0.00	0			
42	(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			
	(ii) LILO of existing 132 kV Kuchera - Sanjoo line at proposed 220 kV GSS Kuchera	21.64	4.33	17.31								
43	LILO of existing 132 kV Salumber - Sagwara line at 220 kV GSS Aspur	206.62	41.32	165.30			20.00	80.00	100			
Transmission System for New Solar and Wind Power Plants in Jaisalmer, Barmer & Jodhpur District												

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
44	Up-gradation of PS No. 2 to 132kV Grid Substation with 132/33kV, 2x20/25 MVA Transformers with associated 132kV line	1993.12	398.62	1594.50			0.00	0.00	0			
45	Up-gradation of PS No. 3 to 132kV Grid Substation with 132/33kV, 1x25 MVA, 1X50MVA Transformers	2110.39	422.08	1688.31			0.00	0.00	0			
46	Charging of 132 kV line from PS_No.5 to PS_No.1 on 132 kV voltage level via 132 kV PS_No.2 GSS and 132 kV PS_No.3 GSS	718.88	143.78	575.10			0.00	0.00	0			
47	Up-gradation of PS No. 4 to 132kV Grid Substation with 132/33kV, 2x20/25 MVA Transformers	1993.12	398.62	1594.50			0.00	0.00	0			
48	(i) 132 kV S/C PS2 - Kanasar (To be erected on D/C towers)	199.82	39.96	159.86			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(ii) 132 kV D/C PS3 - Kanasar line	231.54	46.31	185.23								
	Normal Development Works											
49	(i) LILO of existing 132 kV S/C Mandalgarh- Begun line at proposed 220 kV GSS Mandalgarh	11.38	2.28	9.10			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(ii) LILO of existing 132 kV Bijolia-Beegod line at proposed 220 kV GSS Mandalgarh	11.38	2.28	9.10			incl. in 220kV	incl. in 220kV	incl. in 220kV			
50	(i) 132kV D/C line from proposed 220kV Chonkarwada to 132kV GSS Bhusawar	303.42	60.68	242.74			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(ii) 132kV D/C line from proposed 220kV Chonkarwada to proposed 132kV GSS Mahuwa	543.20	108.64	434.56			incl. in 220kV	incl. in 220kV	incl. in 220kV			
51	132 kV S/C Tehandesar-Parewara line	183.99	36.80	147.19			0.00	0.00	0			
	Work associated with 220kV GSS											
52	(i) 132kV D/C Baithwasia-Osian line	313.85	62.77	251.08			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			
53	(i) LILO of 132kV S/C Behror-Jakhrana line at proposed 220kV GSS Behror	73.72	14.74	58.98			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(ii) LILO of 132kV S/C Keshwana-Behror line at proposed 220kV GSS Behror	209.60	41.92	167.68			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(iii) 132kV S/C Jakhrana-Mandan line	398.03	79.61	318.42			Behror	Behror	Behror			
54	(i) LILO of 132 kV S/C Kotputli-Bansur line at proposed 220 kV GSS Bansur	42.80	8.56	34.24			incl. in 220kV	incl. in 220kV	incl. in 220kV			
	(ii) 132 kV S/C Bansur(Proposed 220 kV GSS)-Mundawar line	429.39	85.88	343.51			incl. in 220kV	incl. in 220kV	incl. in 220kV			
55	(i) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Toonga	367.10	73.42	293.68			0	0	0			
	(ii) 132 kV S/C from proposed 220 kV GSS Lalsot to existing 132 kV GSS Bhadoti	611.84	122.37	489.47								
56	(i) LILO of 132 kV S/C Debari-Sukher line at proposed 220 kV GSS Amberi	105.35	21.07	84.28			Incl in 220kV	Incl in 220kV	Incl in 220kV			
	(ii) LILO of 132 kV S/C Sukher-Seesarma line at proposed 220 kV GSS Amberi	105.35	21.07	84.28			0.00	0.00	0			
57	(i) LILO of existing 132 kV S/C Mokhampura -Amet line at proposed 220 kV GSS Bamantukda	105.35	21.07	84.28			0.00	0.00	0			
	(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			0.00	0.00	0			
58	LILO of 132 kV Asind-Beawer line with 132kV GSS at Partappura (Disst. Bhillwara)	1572.35	314.47	1257.88			0.00	0.00	0			
59	132 kV S/C Gangapur- Raipur line with 132kV GSS at Raipur (Disst. Bhillwara)	1630.54	326.11	1304.43			0.00	0.00	0			
60	132 kV S/C Dhod- Dayalpura line with 132kV GSS at Dayalpura (Disst. Nagaur)	1667.12	333.42	1333.70			0.00	0.00	0			
61	LILO of 132 kV Reodar-Aburoad line with 132kV GSS at RIICO Growth Centre, Aburoad (Disst. Sirohi)	1366.83	273.37	1093.46			0.00	0.00	0			
62	LILO of 132 kV Badnu-Jasrasar line with 132kV GSS at Lalamdesar Bada (Disst. Bikaner)	1387.38	277.48	1109.90			0.00	0.00	0			
63	LILO of 132 kV Napasar-Badnu line with 132kV GSS at Moonsar (Disst. Bikaner)	1366.83	273.37	1093.46			0.00	0.00	0			
64	LILO of 132 kV Sangod-Kawai line with 132kV GSS at Bapawar (Disst. Kota)	1387.38	277.48	1109.90			0.00	0.00	0			
65	LILO of 132 kV Mandawa-Bandikui line with 132kV GSS at Dhigaria Bhim (Disst. Dausa)	1434.41	286.88	1147.53			0.00	0.00	0			
66	(i) 132kV GSS at Sultanpur(Kota) (TK)	1190.48	238.10	952.38			120	480	600			
	(ii) 132kV S/C Dahara-Sultanpur line (TK)	343.73	68.75	274.98								
	(iii) 1 No. Bay at 132kV GSS at Dahra	59.70	11.94	47.76								
67	(i) 132kV GSS at Mangrol (Baran)	1190.48	238.10	952.38			140	560	700			
	(ii) 132kV S/C Baran-Mangrol line	368.2	73.64	294.56								
	(iii) 1 No. Bay at 132kV GSS at Baran	59.70	11.94	47.76								
68	(i) 132kV GSS at Khetusar (Jodhpur)	1190.48	238.10	952.38			220	880	1100			
	(ii) 132kV S/C Bap-Khetusar line	551.75	110.35	441.40								
	(iii) 1 No. Bay at 132kV GSS at Bap	59.70	11.94	47.76								
69	(i) 132kV GSS at Hatundi(Jodhpur)	1190.48	238.10	952.38			220	880	1100			
	(ii) 132kV S/C Soyla-Hatundi line	307.02	61.40	245.62								
	(iii) 1 No. Bay at 132kV GSS at Soyla	59.70	11.94	47.76								
70	(i) 132kV GSS at Kirmarsariya(Jodhpur)	1190.48	238.10	952.38			220	880	1100			
	(ii) 132kV S/C Tinwari-Kirmarsariya line	307.02	61.40	245.62								
	(iii) 1 No. Bay at 132kV GSS at Tinwari	59.70	11.94	47.76								
71	(i) 132kV GSS at Anandpur Kaloo (Pali)	1190.48	238.10	952.38			80	320	400			
	(ii) 132kV S/C Jaitaran-Anandpur Kaloo line	209.12	41.82	167.30								

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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
	(iii) 1 No. Bay at 132kV GSS at Jaitaran	59.70	11.94	47.76								
72	(i) 132kV GSS at Subhash Nagar, Ajmer(Pali)	1250.18	250.04	1000.14			140	560	700			
	(ii) LILO 132kV Ajmer-Saradhna line at Subhash Nagar, Ajmer	11.53	2.31	9.22								
73	(i) 132kV GSS at Sawalpara Tanwaran (Sikar)	1190.48	238.10	952.38			10	40	50			
	(ii) 132kV S/C Ajeetgarh -Sawalpara Tanwaran line	245.83	49.17	196.66								
	(iii) 1 No. Bay at 132kV GSS at Ajeetgarh	59.70	11.94	47.76								
74	Jaipur City EHV Network Strengthening Scheme-IV (Phase-I)											
	132kV Interconnection											
	(i) 132 kV Hybrid GIS Bay at Jawahar Nagar (Jaipur)	269.84	53.97	215.87			0	0	0			
	(ii) 132 kV S/C Cable system between 132 kV MNIT and 132 kV Substation Jawahar Nagar	2251.67	450.33	1801.34								
75	(i) 132kV GSS at Bijaiapur (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 - Bijaiapur line	584.35	116.87	467.48								
76	(i) 132kV GSS at Kushalgarh (Banswara)	1190.48	238.10	952.38			180	720	900			
	(ii) 1 No. 132kV bay at 132kV GSS Bagidora	59.70	11.94	47.76								
	(iii) 132 kV S/C Bagidora-Kushalgarh	551.75	110.35	441.40								
77	(i) 132 kV GSS at Sawar (Distt.Ajmer)	1271.70	254.34	1017.36			0	0	0			
	(ii) LILO of 132kV Kekri-Deoli line	170.79	34.16	136.63								
78	(i) 132 kV GSS at Mehara (Distt.Jhunjhunu)	1271.70	254.34	1017.36			10	40	50			
	(ii) LILO of 132kV Khetri Nagar-Babai line	107.16	21.43	85.73								
79	(i) 132 kV GSS at Bilwadi (Virat Nagar) (Distt.Jaipur)	1271.70	254.34	1017.36			10	40	50			
	(ii) LILO of 132kV Paota-Shahpura line	255.63	51.13	204.50								
80	(i) 132 kV GSS at at Jatawali (Distt.Jaipur)	1210.97	242.19	968.78			60	240	300			
	(ii) 1 No. 132kV bay at 220kV GSS Chomu	60.72	12.14	48.58								
	(iii) 132kV S/C Chomu-Jatawali line from 220kVGSS Choumu	150.49	30.10	120.39								
81	(i) 132 kV GSS at Maniya (Distt.Dholpur)	1271.70	254.34	1017.36			0	0	0			
	(ii) LILO of 132kV Dholpur-Rajakhera line	255.63	51.13	204.50								
	Interconnections for 400 kV GSS Deedwana (RVPN Scope)											
82	(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			80	320	400			
	(ii) 2 Nos. bay at 132kV GSS Deedwana											
	Interconnections for 220 kV GSS Nawalgarh (RVPN Scope)											
83	LILO of existing 132 kV S/C Koodan - Nawalgarh line to proposed 220 kV Nawalgarh GSS	283.87	56.77	227.10			20	80	100			
84	(i) 132 kV S/C Nawalgarh(220 kV) - Kumawas line	489.43	97.89	391.54								
	(ii) 1No. 132kV bay at Kumawas.	70.06	14.01	56.05								
85	(i) 132 kV S/C Nawalgarh(220 kV) - Gudagorji line	653.58	130.72	522.86								
	(ii) 1No. 132kV bay at Gudagorji	70.06	14.01	56.05								
86	(i) 132 kV S/C Nawalgarh(220 kV) - Udaipurwati line	598.86	119.77	479.09								
	(ii) 1No. 132kV bay at Udaipurwati	70.06	14.01	56.05								
	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											
87	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			
88	LILO of existing 132 KV S/C PSI-Bajju line at proposed 220 KV GSS PS_1 / Bajju	308.54	61.71	246.83								
89	LILO of existing 132 KV S/C Chandan-Pokaran line at proposed 220 KV GSS Pokaran	308.54	61.71	246.83								
90	LILO of existing 132 KV S/C Kolayat-Bajju line at proposed 220 KV GSS Kolayat	308.54	61.71	246.83								
91	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)											
	(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			
92	(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	Incl. in 220kV	Incl. in 220kV			
	(ii) LILO of existing 132 kV S/C Sayla-Jeewana line at proposed 220 kV GSS Sayla	107.16	21.43	85.73								

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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
93	(i) LILO of 132 kV S/C Beawar-Mertacity line at proposed 220 kV GSS Jethana	319.25	63.85	255.40			Incl. in 220kV GSS	Incl. in 220kV GSS	Incl. in 220kV GSS			
	(ii) LILO of 132 kV S/C Beawar-Nasirabad line at proposed 220 kV GSS Jethana	213.21	42.64	170.57								
	(iii) 132 kV S/C line from proposed 220 kV GSS Jethana to 132 kV GSS Saradhana	187.83	37.57	150.26								
94	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			
95	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			
96	(i) 132/33kV, 20/25MVA GSS at Masuda (Ajmer)	1283.11	256.62	1026.49			10	40	50			
	(ii) LILO 132kV Beawar-Gulabpura line	253.07	50.61	202.46								
97	(i) 132/33kV, 20/25MVA GSS at Ghatol (Banswara)	1223.28	244.66	978.62			160	640	800			
	(ii) 132kV S/C Paloda -Ghatol line	493.63	98.73	394.90								
	(iii) 1 No. 132kV bay at 132kV GSS Paloda	59.83	11.97	47.86								
98	(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								
99	(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								
100	(i) 132/33kV, 20/25MVA GSS at Sherera (Bikaner)	1283.11	256.62	1026.49			140	560	700			
	(ii) LILO 132kV Bikaner-Dulchasar line	316.05	63.21	252.84								
101	(i) 132/33kV, 20/25MVA GSS at Tibbi (Hanumangarh)	1223.28	244.66	978.62			12	48	60			
	(ii) 132kV S/C Amarpura Theri(Hanumangarh)-Tibbi line	173.50	34.70	138.80								
	(iii) 1 No. 132kV bay at 132kV GSS Amarpura Theri	59.83	11.97	47.86								
102	(i) 132/33kV, 20/25MVA GSS at Ajarar (Jaisalmer)	1283.11	256.62	1026.49			180	720	900			
	(ii) LILO 132kV Pokran-Askandra line	22.12	4.42	17.69								
103	(i) 132/33kV, 20/25MVA GSS at Narainpur PS Thanagazi (Alwar)	1283.11	256.62	1026.49			10	40	50			
	(ii) LILO 132kV Bansur-Thanagazi	64.10	12.82	51.28								
104	(i) 132/33kV, 20/25MVA GSS at Bhanwargarh (Kishanganj) (Baran)	1283.11	256.62	1026.49			10	40	50			
	(ii) LILO 132kV Baran-Kelwara line	22.12	4.42	17.69								
105	(i) 132/33kV, 20/25MVA GSS at Batoda (Sawaimadhopur)	1223.28	244.66	978.62			180	720	900			
	(ii) 132kV S/C line from 220kV Gangapurcity (U/C) GSS to Batoda	345.88	69.18	276.70								
	(iii) 1 No. 132kV bay at 220kV GSS Gangapurcity (U/C)	59.83	11.97	47.86								
106	(i) Construction of 132kV S/C Nokha Daiya - Khajuwala line	955.99	191.20	764.79			20	80	100			
	(ii) 1 No. 132kV bay at 132kV GSS Nokha Daiya	59.85	11.97	47.88								
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.85	11.97	47.88								
107	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			40.00	160.00	200			
108	(i) 132/33kV, 20/25MVA GSS at Kolukheri P.S.Chhabra (Distt. Baran)		313.484	1253.936			200	800	1000			
	(ii) 132kV S/C Chhipabarod - Kolukheri line	1567.42										
	(iii) 1 No. 132kV bay at 132kV GSS Chhipabarod											
109	(i) 132 kV GSS Arain, Tehsil-Kishangarh (Ajmer)	1283.44	256.69	1026.75			100	400	500			
	(ii) LILO of 132kV Silora-Malpura line	282.45	56.49	225.96								
110	(i) 132 kV GSS Seemalwara (Dungarpur)	1224.06	244.81	979.25			80	320	400			
	(ii) 132kV GSS Sagwara -Seemalwara (Dungarpur)	682.31	136.46	545.85								
	(iii) 1 No. 132kV bay at 132kV GSS Sagwara	59.38	11.88	47.50								
111	(i) 132 kV GSS Degana (Nagaur)	1314.83	262.97	1051.86			80	320	400			
	(ii) 132kV GSS Sanjoo-Degana-Bherunda line	1022.91	204.58	818.33								
	(iii) 1 No. 132kV bay at 132kV GSS Bherunda	59.38	11.88	47.50								

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1	2	3	4	5	6	7	8	9	10	11	12	22
	(iv) 1 No. 132kV bay at 132kV GSS Sanjoo	59.38	11.88	47.50								
112	(i) 132 kV GSS Kherwara (Udaipur)	1283.44	256.69	1026.75			200	800	1000			
	(ii) LILO 132kV Rishabdev-Dungarpur line	423.11	84.62	338.49								
113	(i) 132/33kV, 20/25MVA GSS at Parasneu (Churu)	1283.44	256.69	1026.75			10	40	50			
	(ii) LILO Ratangarh-Sridungargarh line	29.25	5.85	23.40								
114	(i) 132 kV GSS Posaliya (Arathwara)	1283.44	256.69	1026.75			120	480	600			
	(ii) LILO 132kV Sirohi-Sumerpur line	113.65	22.73	90.92								
115	(i) 132 kV GSS Bagadi (Dausa)	1283.44	256.69	1026.75			140	560	700			
	(ii) LILO of 132kV S/C Lalsot - Bhadoti line at 132 kV GSS Bagadi (Dausa)	85.52	17.10	68.42								
116	(i) 132 kV GSS Gudha Chander Ji, PS Nadauti (Karauli)	1224.06	244.81	979.25			140	560	700			
	(ii) 132kV Nangal Sherpur (U/C) - Gudha Chander Ji, PS Nadauti (Karauli)	426.86	85.37	341.49								
	(iii) 1 No. 132kV bay at 220kV GSS Nangal Sherpur	59.38	11.88	47.50								
117	(i) 132kV Mahpalwas - Dulaniya line		92.008	368.032			10	40	50			
	(ii) 1 no. 132kV bay at 132kV GSS Mahpalwas	460.04										
	(ii) 1 no. 132kV bay at 132kV GSS Dulaniya											
118	(i) 132 kV GSS Panchu (Distt. Bikaner)	1224.06	244.81	979.25			200	800	1000			
	(ii) 132kV S/C Deshnok - Panchu	682.31	136.46	545.85								
	(iii) 1 No. 132kV bay at 220kV GSS Deshnok	59.38	11.88	47.50								
119	(i) 132 kV GSS Nangal Pyariwas (Distt. Dausa)	1283.44	256.69	1026.75			140	560	700			
	(ii) LILO of 132kV Dausa - Lalsot line for 132 kV GSS Nangal Pyariwas	85.52	17.10	68.42								
120	(i) 132 kV GSS Pahari PS Kaman (Distt. Bharatpur)	1224.06	244.81	979.25			40	160	200			
	(ii) 132kV S/C Kaman - Pahari PS Kaman	375.78	75.16	300.62								
	(iii) 1 No. 132kV bay at 220kV GSS Lalsot	59.38	11.88	47.50								
2. New Schemes												
I 400kV												
400kV Interconnecting Lines (Banswara Evacuation) :												
1	400 kV D/C Banswara TPS- Udaipur (Quad Moose) Line	30315.48	6063.10	24252.38			0.00	0.00	0			
2	400 kV D/C Banswara TPS- Chittorgarh (Quad Moose) Line	34104.37	6820.87	27283.50			0.00	0.00	0			
400kV Interconnecting Lines (Suratgarh Super Critical TPS Evacuation) :												
3	400 kV D/C Suratgarh TPS- Bikaner (Twin Moose) Line	15779.49	3155.90	12623.59			0.00	0.00	0			
400kV Interconnecting Lines (New Solar & Wind Plants) :												
4	400 kV D/C Bikaner-Sikar (PGCIL) line (Twin Moose) (ICB2)	20851.16	4170.23	16680.93			20.00	80.00	100			
5	400kV D/C Akal-Jodhpur (New) line (Quad Moose)	56784.04	11356.81	45427.23			0.00	0.00				
Supplementary Transmission System for Power Evacuation Scheme of Solar Power Projects in Jaisalmer, Barmer, Jodhpur and Bikaner Districts												
6	400/220 kV, 2 X 500 MVA GSS at Jaisalmer-2 alongwith 1x125 MVAR , 400kV Bus Type Reactor	19379.76	3875.95	15503.81			40	160	200			
7	400 kV D/C Jaisalmer-2 -Barmer line	13498.12	2699.62	10798.49								
8	400 kV S/C Akal(1)- Jaisalmer-2 line	3518.61	703.72	2814.89								
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	723.84	2895.37								
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	364.02	1456.09								
II 220kV												
Normal Development works												
11	(i) 220/132kV, 1X100 MVA & 132/33kV, 1X20/25 MVA GSS at Niwana (Distt. Jaipur)	3265.96	653.19	2612.77			60	240	300			
	(ii) LILO 220kV S/C heerapura- Babai line at proposed 220kV gss Niwana	25.90	5.18	20.72								
12	(i) 220/132kV, 2x160MVA GIS Substation at Jawahar Nagar (Distt. Jaipur)	5912.36	1182.47	4729.89			20	80	100			
	(ii) 220 kV, 1200Sq.mm., S/C Mansarovar - Jawahar Nagar XLPE Cable	6444.30	1288.86	5155.44								
	(iii) 220 kV, 1200Sq.mm., S/C Indira Gandhi Nagar - Jawahar Nagar XLPE Cable	7020.71	1404.14	5616.57								
13	(i) 220/132kV, 1x160MVA GSS at Bherunda (Distt. Nagaur)	2477.41	495.48	1981.93			100	400	500			
	(ii) 220 kV D/C , Ajmer (400kV) - Bherunda line	1894.78	378.96	1515.82								

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			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
14	New 400 kV & 220 kV Schemes (to be identified)						500.00	2000.00	2500			
III 132kV												
15	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/RREC}.											
	(i) 20 nos.132/33kV, 1x20/25 MVA Capacity Grid Sub-Stations	15426.97	3085.39	12341.58			20.00	80.00	100			
	(ii) 500kM long 132kV D/C lines for 20 Nos. 132kV GSS	42803.82	8560.76	34243.06			0.00	0.00				
16	(i) 132 kV GSS bhasina (Distt. Churu)	1224.06	244.81	979.25			60	240	300			
	(ii) 132kV S/C Parewara - Bhasina line	256.57	51.31	205.26								
	(iii) 1 No. 132kV bay at 132kV GSS Parewara	59.38	11.88	47.50								
17	(i) 132 kV GSS Deh (Distt. Nagaur)	1283.44	256.69	1026.75			80	320	400			
	(ii) LILO of 132kV Nagaur- Ladnu line	85.52	17.10	68.42								
18	(i) LILO of 132kV S/C Chomu- Markhi line at 220kV GSS Niwana	169.92	33.98	135.94			incl in 220kv	incl in 220kv	incl in 220kv			
	(ii) 132kV D/C line from 220kV GSS Niwana to 132kV GSS Govindgarh	254.32	50.86	203.46								
	(iii) 2 No. 132kV bay at 132kV GSS Govindgarh	118.76	23.75	95.01								
19	(i) 132/33 kV, 20/25 MVA GSS Chhatargarh (Distt. Bikaner)	1224.06	244.81	979.25			10	40	50			
	(ii) 132kV S/C Khajuwala- Chhatargarh line	852.61	170.52	682.09								
	(iii) 1 No. 132kV bay at 132kV GSS Khajuwala	59.38	11.88	47.50								
20	(i) 132/33 kV, 20/25 MVA GSS Govindgarh (Distt. Alwar)	1509.62	301.924	1207.696			10	40	50			
	(ii) 132kV LILO from 132kV Nagar -Ramgarh line up to 132kV GSS Govindgarh											
21	(i) 132/33 kV, 20/25 MVA GSS Godarli (Distt. Jodhpur)	1622.15	324.43	1297.72			10	40	50			
	(ii) 132kV LILO from 132kV Phalodi - Aau line up to 132kV GSS Godarli											
22	132kV S/C Galifa - Sata line.						60	240	300			
	1 No. 132kV bay at 132kV GSS Galifa	997.72	199.544	798.176								
	1 No. 132kV bay at 132kV GSS Sata											
23	(i) 132/33 kV, 2x50 MVA GIS Sub-station at City Power House, Hathibhata, Ajmer (Distt. Ajmer)	5043.07	1008.61	4034.46			10	40	50			
	(ii) 132kV S/C XLPE Cable between 132kV GSS Pushkar Road (Kotada) - City Power House (GIS)	3209.8	641.96	2567.84								
	(iii) 132kV D/C XLPE Cable between 220/132kV GSS Madar - City Power House (GIS)	6454.65	1290.93	5163.72								
24	132 kV New Schemes (To be identified)						220.00	880.00	1100			
3. Carried Over Liabilities of closed scheme												
1	Carried Over Liabilities (Civil works & Bal.Elect. Works - 220kV & 400kV)of Sub Stations & Lines Commissioned in last 3 years only						200.00	800.00	1000			
2	Carried Over Liabilities (Civil works & Bal.Elect. Works - 132kV) of Sub Stations & Lines Commissioned in last 3 years only						200.00	800.00	1000			

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
B.	Other works (excluding deposit works)											
	1. On going											
1	Energy Meters (Interface Metering)						0.00	0.00	0			
2	220 kV Bus Bar Protection Scheme						200.00	800.00	1000			
	2. New											
1	Capacitor banks (MVAR)						200.00	800.00	1000			
2	Augmentation (EAP & Plan)/(Upgradation)											
	i. Transformers capacity (MVA)						4940	19760	24700			
	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											
3	Automation/ SCADA solutions, RTU's/ BCU's, related primary equipments upgradations, communication interfaces/ channels (under ULDC, up gradation of existing S/S)						400.00	1600.00	2000			
4	Utility Software, IT Software, Other Allied Software, Hardware Equipments (Upgradation / New)						226.00	904.00	1130			
5	Capital cost on IT/non-IT goods for Integrated MIS & Computerisation in RVPN											
6	Purchase of IT hardwares, custom software, non IT items, computer furniture, net working items and broad band connectivity required under IMIS Project.											
7	RMU of equipments & protection schemes of RVPN (Scheme -II & III)						320.00	1280.00	1600			
8	RMU- PLCC Stage-I Scheme						33.00	132.00	165			
9	Air Conditioning of Control Rooms of 220kV GSS						20.00	80.00	100			
10	Allocation by CCOA						300.00	1200.00	1500			
11	Roof Top Solar Power Plant at Vidyut Bhawan, Jaipur						0.00	0.00	0			
	TOTAL A + B	1451325.4	290265	1161060			36222	144800	181000			
	C Deposit work											
1	33 KV Line on 132 KV towers with ACSR Panther conductor from 1 32 KV GSS, Pokran to Nachna Fanta (85 Kms) Sanctioned Estimate Rs 1413.40 Lacs Augumentation of Transformer capacity by 20/25 MVA. 132/33 KV work at 1 32 KV GSS Pokran Sanctioned Estimate Rs 457.40 Lacs Shifting of towers falling in submersed part of 132 KV Chandan-Pokran lin near Biliya.											
2	33 KV Bay Work at 220 KV GSS Boranada											
3	33 KV Bay Work at 220 KV GSS Boranada											
4	33 KV Bay Work at 220 KV GSS Boranada											
5	33 KV Bay Work at 220 KV GSS Boranada											
6	220 KV DIG line from 220 KV GSS Pindwara to Railway TSS at Pindwara for M/s DFCCIL App Length 10km. 2 Nos. 220 KV Bays at 220 KV GSS Pindwara for M/s DFCCIL includino cost of shifting of 1 32 KV Binani ine. Installation of PLCC equipment											
7	220 KV D/C line from 220 KV GSS Ball to Railway TSS at Falna for M/s DFCCIL App Length 1.5 km 2 Nos. 220 KV Bays at 220 KV GSS Bali for M/s DFCCIL indudmo cost of shifting of 132 KV Rani line. Installation of PLCC equipment											
8	132/33 kV 20/25 MVA Trans. At PS-I Bap (IGNP) & construction of 03 nos. 33 kV bays											
9	Const of 132 kV S/C iorunda-Nimbol line											
10	01 no. 132 kVbayat 132 kV GSS, Borunda											
11	Modification of 220 kV D/C Bilara-Haripur line											
12	Cost of 2 Nos. 220 kV Bays at 220 kV GSS, Bilara											
13	220KV D/C line from 220KV GSS nos 220KV GSS at 220KV GSS Kishangarh											
14	Modification of 220KV S/C Beawar Merta line											
15	Modification of 13KV S/C Beawar-Merta line											
16	Constru,tion of 220KV D/C line from 400KV GSS Babai to TSS DFCC along with two Nos 220KV Bay at 400KV GSS Babai.											
17	Modification of 13KV S/C Sikar- Nawalgarh line											
18	Modificstion of 220KV D/C KTPS-Beawar lme.											
19	220KV D/C line from 220KV GSS Jethana to M/s DFCC with two nos 220KV GSS at 220KV GSS Jethana.											

(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 (2014-15) by					Remarks
			equity (20%)	debt (80%)	user's contribution	grants/subsidy	equity (20%) Approx.	debt (80%) Approx.	Provision (plan)	user's contribution	grants/subsidy	
1	2	3	4	5	6	7	8	9	10	11	12	22
20	Const. of 132KV S/C line from 132KV GSS Danta to M/s Kanchan India Ltd., Danta with one No. 132KV Bayat Danta GSS.											
21	220KV D/C line from 220KV GSS Reengus to M/s DFCC with two nos 220KV GSS at 220KV GSS Reengus											
22	Modification of 13KV S/C Khetri-Chirawa line.											
23	33 kV feeder bay at 132 kV GSS Bhatwar											
24	132 kV S/C line from 132 kV GSS Rasoolpur											
25	132 kV feeder bay at 132 kV GSS Rasoolpur for M/s J.K. Cement Mangrol											
26	Deposit work for Raising the height of 440KV S/C HPR-Merta line b/w loc. No. 142C+3 to 143D+3 due to DFCCI for proper clearance chainage in case of detour 28360 (KM-564) (WIM NO. 10/12-13) Budget provision Rs.39082922/-											
27	Deposit work for shifting of 132 KV S/C Phulera-Dudu line b/w existing Railway Km/DFC chainage in case of detour 30300-30400 (approx.-1.156 km.) (WIM NO. 11/12-13) Budget provision Rs. 8780000/-											
28	Deposit work for shifting of 132 KV S/C Phulera-Sirsi line b/w existing Railway Km/DFC chainage in case of detour 31860-31900 (approx.-1.220 km.) (WIM NO. 12/12-13) Budget provision Rs. 7214907/-											
29	Deposit work for shifting of 132 KV S/C Phulera-Dudu line b/w existing Railway Km/DFC chainage in case of detour 31400-31500 (approx.-0.334 km.) (WIM NO. 13/12-13) Budget provision Rs.4316422/-											
30	Deposit work for shifting of 132 KV S/C Phulera-heerapura line b/w existing Railway Km/DFC chainage in case of detour 31000-31100 (approx.-1.62 km.) (WIM NO. 14/12-13) Budget provision Rs.11719433/-											
31	Deposit work for shifting of 132 KV S/C Phulera-Bagru line b/w existing Railway Km/DFC chainage in case of detour 30500-30600 (approx.-0.840 km.) (WIM NO. 15/12-13) Budget provision Rs.8279694/-											
32	Deposit work for const of 33 KV feeder bay for RHB colony sector-8 I.G.Nagar from 220 KV I.G.Nagar											
33	Deposit work regarding re-designing the profile & shifting of 132 KV LILO HT line crossing at Bhankrota, kothari farm house, NH-8 JPR											
34	Raising work of 132 KV D/C Kota-Jawahar Sagar Ckt. No.- 2 and 3 from Location No.- 22 A to 25 A (Deposit work of NHAI)											
35	Const. of 1 no. 132 KV feeder bay alongwith 132 KV S/C line from 132 KV GSS, Tizara in favour of M/s Kajaria Ceramics Ltd., vill. Gailpur, Tehsil- Tizara, Alwar (Deposit Work)											
36	Const. of 1 no. 33 KV bay for BPCL at 220 KV GSS, Bharatpur											
37	Re-routing & dismantling of 220 KV D/C Line Alwar- Bhiwadi and Bhiwadi (PGCIL) Line in the premises of RIICO											
38	Shifting/Modification of 132KV Dausa - Lalsot line crossing for proposed Rly. Track											
39	Raising the height of 132KV Puranaghat - Sitapura line between location N.45-46 at Jagaatpura											
40	Shifting/raising the height of 132KV S/C Neemrana-Behror line Crossing over the Comml.plot SP2/6C Neemrana of Sh. Naveen Goar.											
41	Shifting/modification of 132Kv Hindaun-Gangapur line between Location No. 228 & 229 at crossing new Dausa-Gangapur Railway line											
Total C												

Form-4															
RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.															
Investment Proposals for the Financial Year 2014-15 (REVISED)															
(Abstract of Physical & Financial Targets & Achievements)															
(Rs. In lacs)															
S.No.	Particulars	Upto Previous year (Rs. in lacs)				Proposed for Current year (2014-15 provision) (Proposed in petition No. 437/14) (Rs. In lacs)					Revised for Current year (2014-15 provision) (Rs. In lacs)				
A.	Particulars/Source of funding (Rs. In lacs)	Equity	Debt	Grants/subsidy/user's contn.	Total	Equity 20%	debt 80%	Grants/subsidy/user's contn.	Total	Equity 20%	debt 80%	Grants/subsidy/user's contn.	Total		
1	Power evacuation schemes/ works					25347	101388		126735	17367	69468		86835		
2	Loss reduction schemes/ works.														
3	System Improvement/ stability/reliability schemes/ works					15330	61320		76650	11074	44296		55370		
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					400	1600		2000	400	1600		2000		
8	Metering schemes														
9	Reactive compensation schemes/ works (Capacitor Bank)					200	800		1000	200	800		1000		
10	Institutional strengthening														
11	Project preparation and Preliminary works.														
12	Augmentation					5420	21680		27100	4940	19760		24700		
13	Bus Bar Protection					200	800		1000	200	800		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)					340	1360		1700	353	1412		1765		
16	Unidentified Schemes					610	2440		3050	720	2880		3600		
17	Air Conditioning of Control Rooms					40	160		200	20	80		100		
18	IT & IMIS					133	532		665	226	904		1130		
19	Capital works (to be allocated by CCOA)					300	1200		1500	300	1200		1500		
20	Roof Top Solar Power Plant at Vidyut Bhawam,Jaipur.														
	Total					48600	194400		243000	36200	144800		181000		
21	User's Contribution Schemes (Deposit Works)														
B.	Physical targets	During previous year as on 31.3.14		For current year (2014-15) (Proposed in petition No. 437/14)		Revised for current year (2014-15)									
1	Generation capacity	MW		MW		MW									
2	Transmission/ distribution lines	ckt.kMs.	Av.cost/kM.	ckt.kMs.	Av.cost /kM.	ckt.kMs.	Av.cost /kM.								
(a)	765kV lines	425.5		-		-	179.17								
(b)	400kV lines	3278.4		750	63*	300	59.75*								
(c)	220kV lines	12235		750	23.74*	1000	23.80*								
(d)	132kV lines	15154		425	14.93*	600	15.02*								
(e)	33kV lines														
(f)	11kV lines														
(g)	LT lines														
(h)	other lines														

RAJ. RAJYA VIDYUT PRASARAN NIGAM LTD.
Investment Proposals for the Financial Year 2014-15

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

Transmission	Year	Charge per KW per month (in Rs.)	
	2013-14	123.05	As per MYT order dt. 01.08.2009
	2013-14	156.96	Approved by RERC order dt. 9.1.2014
	2014-15 (Proposed)		Petition filed on 30.1.2014

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 (likely)	Remarks
1	2	3	4	5	6	7	8	9
	Scheme - I							
(a)	PPP-1 Scheme of 400kV GSS at Deedwana:							
1	400/220kV, Grid Sub-Station at Deedwana with 1x100MVA, 220/132kV Transformer	Maru Transmission Service Co. Ltd.	11491.59		2X315	16.1.09	2013-14	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.
2	400kV S/C Bikaner-Deedwana line		8465.32	145		16.1.09	2013-14	
3	400kV S/C Ajmer-Deedwana line		6605.32	110		16.1.09	2013-14	
4	220kV D/C Sujargarh-Deedwana line		1849.58	80		16.1.09	2013-14	
(b)	PPP-2 Scheme of 400kV GSS at Alwar :							
1	400/220kV, Grid Sub-Station at Alwar	Aravali Transmission Service Co. Ltd.	10100.74		2X315	16.1.09	2013-14	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 and connection agreement between M/s ATSCCL & RVPN executed on 24.6.2014
2	400kV S/C Hindaun-Alwar line		8731.03	150		16.1.09	2013-14	
(c)	PPP-3 Scheme of 220kV GSS at Nawalgarh :							
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. Transmission licence has been granted by RERC. Tariff adoption has been done 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	
	Total Scheme -I		50871.41					
	Scheme - II							
1	PPP-4 400 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 for both the projects on 12.7.13 to M/s. EMCO - CSPPL Construction. LoI cancelled for both PPP-4 & PPP-5 on dt. 4.7.2014 as there is uncertainty of settlement of land issue due to which these project are not feasible under the clause of RFP.
2	PPP-5 400 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	-	
	Total Scheme -II		60133.49					
	Grand Total (I+II)		111004.90					