

DEPARTMENT OF ENERGY

Draft Annual Plan 2009 - 2010

INTRODUCTION

Power plays an important role in all round development of the State. Availability of sufficient power is unavoidable for meeting the means of subsistence of common people and industrial development. The aim of 11th five year plan is to increase power generation, encourage power sector development and competition in the sector, reduce AT & C losses and the cross subsidy, protect interest of consumers and ensure quality power supply with transparent policies.

Achievements

- No. of villages electrified (2000-01) : 3859
- No. of villages electrified (2002-07) : 5400
- No. of BPL houses electrified : 73,676
- Sanctioned projects for 13 districts worth : Rs. 1316.61 Cr.
- The Jharkhand State Electricity Regulatory Commission, the Consumer Grievance Redressal Forum, the Electricity Ombudsman, and the District Coordination Committees are in place as required under the Electricity Act 2003.

2. STATE SHARE TO CSS

2.1 Rajeev Gandhi Gramin Vidyutikarn Yojana (RGGVY) (90 : 10)

Under centrally sponsored RGGVY scheme all unelectrified villages of state (approx 19239) are to be electrified. Above scheme has been financed by REC as 90% grant and 10% loan and fund are directly made available to executing agencies. (Six (6) districts have been allotted to J.S.E.B., eight

(8) districts to DVC and eight (8) districts to N.T.P.C.) 10% Loan and amount of interest payable thereon is to be borne by State Government. Components of RGGVY is Debt servicing, NPV payment and Entry tax.

2.2 **Accelerated Power Development & Reform Program A.P.D.R.P (50 : 50)**

In order to improve power distribution system in urban areas of the State and reduce AT & C losses, Central Government has sanctioned 13 schemes in the year 2002 - 03 with project cost of Rs. 444.83 Crore. Under this scheme the work relating to replacement of old conductors, augmentation of transformers, feeder metering and providing electronic meters to consumers are completed in many towns of the State.

Work is in progress in Ranchi, Jamshedpur Dhanbad, Hazaribagh, Ghatsila, Deoghar, Dumka, Khunti, Ramgarh, Koderma, Pakur, Sahebganj, Jamtara, Daltonganj and Latehar. In principle following mentioned schemes have been accorded by MoP in October, 2008 to start preparatory work for the project to be implemented in 11th plan as per terms and conditions of the restructured APDRP.

(Rs. in Cr.)

1	Giridih	11.46
2	Chaibasa	9.69
3	Basukinath and Dumka	2.82
4	Saraikela and Kharsawah	3.94

3. **STATE PLAN SCHEMES**

Continuing Scheme

3.1 **Generation**

At the time of creation of state the demand for power was approximately 700 - 750 MW which has been increased to 1100 MW. This demand is met

by P.T.P.S. (100 MW), TVNL (200 MW), DVC (400 MW, in DVC command area) and rest from central allocation. Out of 10 units of P.T.P.S. only 3 units are generating average 100–120 MW, power. Under continuing scheme, the work pertaining to renovation of unit no. 3, 5, 9 & 10 has been proposed in 2009 - 10.

3.2 Transmission

The Transmission network in the state is not adequate for evacuating power and catering to the expected load growth. Evacuation capacity is required to be increased for Inter Regional Transfer of Power.

To overcome this inadequacy, JSEB has planned for construction of Grid Sub Stations and Transmission Lines in almost all Districts of State in phases. The ongoing project of the districts Ranchi, Lohardagga, Latehar, Garhwa, Palamu, Sahebganj and Pakur will be completed 2009-10.

3.3 Distribution

Under Annual development program the following works are being proposed under supply and distribution as continuing scheme: -

- Construction of 33KV/11KV Lines and Power Sub Station,
- Installation and augmentation of Power and Distribution transformers.
- Augmentation of 33 KV Lines
- Augmentation of 11 KV Lines
- Metering of PSS, DTRs and consumers
- Energy audit
- Augmentation of Sub Stations being constructed under RGGVY and conversion of 1-phase lines into 3-phase lines.

- Birsa Krishi Pump Urjanvayan Yojna for connection to agricultural consumers at 11KV
- Feeder renovation for segregation of Load

3.4 Re-structuring of JSEB and support to Successor Companies

In order to start with clean slate and make the successor companies financially viable on account of employees terminal benefit liabilities, coal & power purchase related liabilities and subsidy/revenue gap (excluding any possible infusion of equity to the successor corporate entities).

3.5 State load Despatch Centre (SLDC)

In accordance with provision of Sec. 31 of Indian Electricity Act 2003 independent state load dispatch center is to be established. At present C.L.D.C. of J.S.E.B. has been notified as S.L.D.C. The establishment of S.L.D.C. is to be taken up immediately considering possibilities of unbundling of Board and up-comings of IPPs in power sector in the State. For establishment of S.L.D.C. with latest technologies & modern equipments, infrastructures and trained manpower is to be arranged. Power Grid Corporation of India Limited, a PSU of GoI is being consulted to take-up the job on priority basis.

3.6 Jharkhand Renewable Energy Development Agencies (JREDA)

Under State non conventional energy development programme following works are to be taken up: -

National Biogas (Domestic Size-2 Cu. Meter) Institutional (15 Cub. Meter, 20 Cubs. Meter, 35 Cub. Meter and 45 Cub. Meter). National improved Chulha program-Solar photovoltaic programme (Solar lantern, Solar spect light, Solar Submersible pump - 1800 watt), Solar Hot water equipment and Solar Cooler dish type under solar thermal programme, Survey, Third

Party inspection, Consultancy services. Awareness camp, training programme is proposed.

Every family is to be provided with one solar lantern, one improved chulhas, installation of bio gas plant to beneficiaries and installation of solar street light and installation of solar street light as per requirement under integrated rural energization programme. Matching fund for central sponsored remote village electrification has also been proposed in 2009-10.

3.7 Mini Hydel Project

The work relating to ongoing eight mini hydel projects in the state is to be completed in the financial year 2009 - 10.

3.8 Energy Conservation, Consultancy and other works

Energy Conservation programme is undertaken in the State in accordance with guidelines of Bureau of Energy Efficiency, Government of India. For development of power sector and allied related activities, consultancy services are to be taken-up to meet out the growing demand of energy in the State.

3.9 Koel Karo Hydel Power Station

For salary and establishment expenditure of director land acquisition and rehabilitation.

3.10 Tenughat Vidyut Nigam Ltd.

The equity capital of TVNL was Rs. 100 Crores at the time of creation of TVNL. Subsequently, Govt. of Jharkhand has given Rs. 5 Crore to increase the share capital.

It is proposed to convert earlier loan amount of Rs. 1000.00 Crores into equity in phases and to provide additional equity capital for increasing the share capital of TVNL.

3.11 Rural Electrification (State Plan)

In certain districts habitations with population of less than 300 has not been considered. Also some villages, which were earlier taken up for execution departmentally and through turnkey contracts by M/s Rites, are not included in RGGVY scheme. It is proposed to electrify all left out habitations in the financial year 2009-10.

4. TRIBAL SUB PLAN

A sum of **Rs. 19601.00** lakhs has been earmarked for Tribal Sub Plan out of total proposed outlay of **Rs. 72500.00** lakhs during Annual Plan 2009-10.

5. SPECIAL COMPONENT SUB PLAN

A sum of **Rs. 2973.00** lakhs has been earmarked for Special Component Sub Plan out of total proposed outlay of **Rs. 72500.00** lakhs during Annual Plan 2009-10.

6. OUTLAY PROPOSED FOR VARIOUS SCHEMES

Energy

Sl. No.	Type of Scheme	Annual Plan (2009-10) (Rs. in lakh)			
		Proposed Outlay	Flow to TSP	Flow to SCSP	Flow to OSP
A.	State Share (CSS/CS)				
1	RGGVY (90 : 10)	12500.00	6250.00	1056.00	5194.00
2	APDRP (50 : 50)	5000.00	1200.00	400.00	3400.00
B.	State Plan Schemes				

Continuing Scheme					
1	Generation	9600.00			9600.00
2	Transmission	5900.00	4216.00	185.00	1499.00
3	Distribution				
(a)	Annual Development programme	6000.00	3000.00	562.00	2438.00
(b)	Birsa Agricultural Pump Energization	4000.00	2000.00	375.00	1625.00
5	Re-structuring of JSEB and support to successor companies	20700.00			20700.00
5	SLDC	3000.00			3000.00
6	JREDA Programme	3500.00	1750.00	353.00	1397.00
7	Mini Hydel Project	1100.00	962.00		138.00
8	Energy Conservation/ Consultancy and other works	145.00			145.00
9	Koel Karo Hydel Projects (Estb.)	55.00			55.00
10	TVNL (Share capital)	500.00			500.00
11	Rural Electrification	500.00	223.00	42.00	235.00
Grand Total		72500.00	19601.00	2973.00	49926.00

7. SUMMARY

Sl. No.	Type of Scheme	Annual Plan (2009-10)			
		(Rs. in lakh)			
		Proposed Outlay	Flow to TSP	Flow to SCSP	Flow to OSP
A.	Earmarked	--			
B.	State Share (CSS/CS)	17500.00	7450.00	1456.00	8594.00
C.	State Plan Schemes				
	i. Continuing Schemes	55000.00	12151.00	1517.00	41332.00
	ii. New Schemes				
D.	EAP (if any)	--	--	--	--
E.	Other	--	--	--	--
Grand Total		72500.00	19601.00	2973.00	49926.00