

Industrial Feeders selected for load shedding

Industrial Feeders

Industrial Group-I

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Urla-II	IND	17.00	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Alok	IND	7.00	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Heera	IND	12.00	Ind.
4	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Panjkaj	IND	17.00	Ind.
5	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Inaba Steel	IND	21.20	Ind.
6	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Kabir Nagar	IND	13.00	Ind.
7	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Shyama	IND	13.10	Ind.
8	RAIPUR CITY	Raipur City-II	Raipur	132KV BIRGAON	METAL PARK	IND	4.20	Ind.
9	RAIPUR CITY	Raipur City-II	Raipur	220/132/33 Kv Siltara	Jagdish Iron	IND	14.70	Ind.
			Name of Consumer					
10		Raipur City-II	M/S.HIRA FERRO ALLOYS UNIT-II	132/33KV S/S HIRA POOLING	132KV Hira Pooling	IND	10.80	CPP
11		Raipur City-II	HIRA POWER & STEELS LTD. UNIT-II P.L. VERMA	132KV Hira Pooling	132KV Hira.Power & Steel	IND	19.90	Ind.
							149.90	

Industrial Group-II

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Sarora	IND	12.00	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Patharidih	IND	14.00	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV C.G.	IND	10.00	Ind.
4	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV Vandana	IND	6.90	Ind.
5	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV Indsil	IND	16.00	Ind.
6	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV R. Narayan	IND	6.00	Ind.
7	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV RatuSariya	IND	20.00	Ind.
8	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV Avinash	IND	7.00	Ind.
			Name of Consumer					
9		Raipur City-II	M/S VANDANA GLOBAL LTD. VILLAGE POST SILTARA DISTT.	220/132/33 KV S/s SILTARA	132KV VANDANA FEEDER	IND	4.00	CPP
10		Raipur City-II	M/S SHREE NAKODA ISPAT LTD.	220/132/33 KV S/s SILTARA	132 KV NAKODA FEEDER	IND	6.00	CPP
11		Raipur City-II	M/S MAHAMAYA STEEL INDUSTRIES	220/132KV S/S BORJHARA	132KV MAHAMAYA STEEL	IND	21.60	Ind.
12		Raipur City-II	M/S SHRI BAJRANG POWER ISPAT LTD.	220/132KV S/S BORJHARA	132KV Bajrang Metalics	IND	14.00	Ind.
13		Raipur City-II	M/S. BALAJEE LOHA (P) LTD.(TMT) DIVISION	132/33KV S/S SECTOR C	132KV Balaji fdr	IND	13.05	Ind.

Industrial Feeders selected for load shedding

Industrial Feeders

14		Raipur City-II	M/S ISPAT INDIA	220/132/33 KV S/s SILTARA	132 KV ISPAT AGRAWAL	IND	13.05	Ind.
15		Raipur City-II	Hindustan Coil Ltd	220/132/33 KV S/s SILTARA	132 KV FORTUNE METALIK FEE	IND	31.00	Ind.
16		Raipur City-II	MAA KUDARGARHI POWER AND ISPAT PVT.LTD. ABHAY SINGH	220KV Borjhara	132KV Borjhara Mahamaya	IND	28.00	Ind.
							222.60	

Industrial Group-III

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV Bhawani	IND	18.90	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	132 KV Sector-C Urla	33 KV Prakash	IND	10.60	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Indian Oil	IND	0.00	ON
4	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Jorawar	IND	16.50	Ind.
5	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Aster	IND	3.90	Ind.
6	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV CG Ispat	IND	8.50	Ind.
7	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Hanuman	IND	14.70	Ind.
8	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Nandan	IND	8.50	Ind.
9	RAIPUR CITY	Raipur City-II	Raipur	220 KV Siltara	33 KV Cycle Park	IND	12.50	Ind.
10	RAIPUR CITY	Raipur City-II	Raipur	132 KV Phase -II Siltara	33 KV Shyam Iron	IND	13.00	Ind.
			Name of Consumer					
11		Raipur City-II	M/S SARDIA ENERGY & MINERALS LTD.	220/132/33 KV S/s SILTARA	132 KV SEMI-I FEEDER		10.00	CPP
12		Raipur City-II	M/S GODAWARI POWER AND ISPAT LTD.	220/132/33 KV S/s SILTARA	132 KV GPIL FEEDER		20.00	Ind.
13		Raipur City-II	M/S NANDAN STEELS & POWER LTD.	220/132/33 KV S/s SILTARA	132 KV NANDAN MARUTI FEEDER		27.00	Ind.
14		Raipur City-II	M/S ARTI SPONG & POWER LTD AARTI HOUSE,	220/132/33 KV S/s SILTARA	132 KV AARTI SPONGE FEEDER		16.00	Ind.
15		Raipur City-II	M/S MARUTI FERROUS (P)LTD	220/132/33 KV S/s SILTARA	132 KV NANDAN MARUTI FEEDER		16.30	Ind.
16		Raipur City-II	M/S A.P.I. ISPAT&POWER TECH(P)LTD "VRINDAVAN" NEAR	220/132/33 KV S/s SILTARA	132 KV A.P.I. ISPAT FEEDER		15.00	CPP
17		Raipur City-II	M/S AGRAWAL CHANNEL MILL (P) LTD	220/132/33 KV S/s SILTARA	132 KV ISPAT AGRAWAL		15.50	Ind.
							226.90	

Industrial Group-IV

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	132 KV Phase -II Siltara	33 KV Gagan	IND	16.00	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	132 KV Phase -II Siltara	33 KV New Drolia	IND	22.00	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Birgaon	33 KV Simplex	IND	13.00	Ind.
4	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Birgaon	33 KV HTC - I	IND	19.00	Ind.

Industrial Feeders selected for load shedding

Industrial Feeders

5	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Birgaon	33 KV Urla-II	IND	12.00	Ind.
6	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Birgaon	33 KV HTC II	IND	11.30	Ind.
7	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Birgaon	33 KV HTC III	IND	15.30	Ind.
8	RAIPUR CITY	Raipur City-II	Raipur	132 KV Heera Pooling	33 KV R.R.Ispat	IND	14.00	Ind.
			Name of Consumer					
9	RAIPUR CITY	Raipur City-II	M/S JAYASWALS NECO INDUSTRIES LTD SILTARA GROWTH C	220/132/33 KV S/s SILTARA	220 KV JNIL FEEDER	IND	94.00	CPP
							216.60	

Industrial Group-V

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	132 KV Heera Pooling	33 KV Gravity	IND	14.00	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	132 KV Heera Pooling	33 KV Metal Park	IND	22.20	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	132 KV Heera Pooling	33 KV Saurav	IND	19.00	Ind.
4	RAIPUR CITY	Raipur City-II	Raipur	132 KV Heera Pooling	33 KV Rotocast	IND	13.00	Ind.
5	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Alankar	IND	4.00	Ind.
6	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Balaji	IND	14.00	Ind.
7	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Omkiran	IND	10.50	Ind.
8	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Alloy	IND	5.50	Ind.
9	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Shilpi	IND	8.00	Ind.
			Name of Consumer					
10		Raipur City-II	M/S ULTRATECH CEMENT LTD (UNIT- BKCW) (UNIT BAIKUN	132 KV S/S SIMGA	132 KV CENTURY CEMENT FEDEER	IND	6.00	Ind.
11		Raipur City-II	M/SSHRI BAJRANG POWER & ISPAT LTD(TMT)DN	220 KV S/S KUTHREL	132 KV BAJRANG FEDEER	IND	4.00	Ind.
12		Raipur City-II	M/S REAL ISPAT & POWER LTD.	220/33KV S/S BORJHARA	132KV REAL ISPAT	IND	19.50	CPP
13		Raipur City-II	M/S PRIME ISPAT LTD	220/33KV S/S BORJHARA	132KV PRIME ISPAT	IND	16.00	Ind.
14		Raipur City-II	M/S SAMBHV SPONGE POWER PVT. LTD.	132 KV S/S SIMGA	132 KV SAMBHAV SPONGE & POWER	IND	26.00	Ind.
15		Raipur City-II	SHAURYA ISPAT UDYOG PRIVATE LIMITED ASHEESH SAURAB	220 KV S/S KUTHREL	132 KV SHAURYA ISPAT FEDEER	IND	24.00	CPP
16		Raipur City-II	M/S FORTUNE METALIKS LTD.	220 KV S/S KUTHREL	132 KV FORTUNE METALIC FEDEER	IND	24.90	Ind.
17		Raipur City-II	M/S SHRI BAJRANG POWER &	220 KV S/S KUTHREL	132-KV BAJRANG FEDEER	IND	9.00	Ind.
							239.60	

Industrial Feeders
Industrial Group-VI

Industrial Feeders selected for load shedding

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Goyal	IND	9.00	Ind.
2	RAIPUR CITY	Raipur City-II	Raipur	220 KV Borjhara	33 KV Kara	IND	22.00	Ind.
3	RAIPUR CITY	Raipur City-II	Raipur	132 KV S/S Gudhiyari	33 KV PIL	IND	8.00	Ind.
4	RAIPUR CITY	Raipur City-II	Raipur	220 KV kuthrel (Dharsinwa)	33 KV Dhaneli	IND	14.00	Ind
5	RAIPUR CITY	Raipur City-II	Raipur	220 KV kuthrel (Dharsinwa)	33 KV Hare Krishna	IND	0.00	ON
6	RAIPUR RURAL	Raipur O&M	Raipur	220 KV kuthrel (Dharsinwa)	33 KV Industrial (Jota)	IND	20.00	Ind
7	RAIPUR RURAL	Raipur O&M	Raipur	220 KV kuthrel (Dharsinwa)	33 KV Vighneshwar (Fortune Metal)	IND	6.00	Ind
8	RAIPUR RURAL	Raipur O&M	Raipur	132 KV S/S Monet	33 KV NUTAN	IND	13.00	Ind
9	RAIPUR RURAL	Raipur O&M	Raipur	132/33 KV TULSI	33KV GMR	IND	4.50	Ind
10	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Suhela	33 KV Suhela (Industrial)	IND	0.50	Ind.
11	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Suhela	33 KV Shree Cement	IND	0.00	Ind
12	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Bhatapara	33 KV Mini Cement Plant	IND	0.00	Ind
13	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Chhawani Industrial-III	IND	11.50	Ind.
14	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Industrial	IND	15.00	Ind.
15	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Chhawani Industrial II	IND	10.00	Ind.
16	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Nirous Industries	IND	10.00	Ind.
17	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Simplex	IND	8.00	Ind.
			Name of Consumer					
18		Durg City	M/S ACC LIMITED	220/132 KV Bhilai	ACC Jamul Feeder	IND	30.00	Ind.
19		Durg Circle	M/S J.K.Lakshmi Cement Ltd.	400/220 KV Khedamara	J K Laxmi	IND	22.00	Ind.
20		BALODA BAZAR	Nuvoco Vistas Corporation Limited	132 KV S/S BALODA BAZAR	132 KV LAFARZE FEDEER	IND	22.00	Ind.
21		BALODA BAZAR	M/S NU Vista Limited	132 KV S/S BALODA BAZAR	132 KV EMAMI FEDEER	IND	13.50	Ind.
22		BALODA BAZAR	M/S. ULTRATECH CEMENT LIMITED (UNIT-RAWAN CEM)	132 KV S/S BALODA BAZAR		IND	10.00	Ind.
23		BALODA BAZAR	M/S SHREE CEMENT LTD.,	132 KV S/S BALODA BAZAR		IND	25.00	Ind.
24		BALODA BAZAR	M/S AMBUJA CEMENT LIMITED	132 KV S/S BALODA BAZAR	132 KV AMBUJA CEMENT FEDEER	IND	10.00	Ind.
							284.00	

Industrial Feeders selected for load shedding

**Industrial Feeders
Industrial Group-VII**

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	DURG	Durg City	Durg	132 KV S/S Bhilai-3, Remodling	33 KV Hatkhoj	IND	7.50	Ind.
2	DURG	Durg City	Durg	132 KV Kurud (Bhilai)	33 KV Kurud Ind.	IND	7.00	Ind.
3	DURG	Durg City	Durg	132 KV Kurud (Bhilai)	33 KV Nandani Road Ind	IND	3.50	Ind.
4	DURG	Durg O&M	Durg	132 KV Rasmada	33 kv Rasmada-2	IND	0.00	Ind.
5	DURG	Durg O&M	Durg	132 KV Rasmada	33 kv Rasmada-1	IND	2.00	Ind.
6	DURG	Durg O&M	Durg	132 KV Rasmada	33 kv Rasmada-3	IND	9.50	Ind.
7	Raigarh	Janjgir-Champa	Janjgir	132 KV S/S Akaltara	33 KV Wardha	IND	1.50	Ind.
8	Raigarh	Raigarh	Raigarh	220 KV S/S GERWANI	33 KV Anjani	IND	8.00	Ind.
9	Raigarh	Raigarh	Raigarh	220 KV S/S GERWANI	33 KV Taraimal	IND	10.00	Ind.
10	Raigarh	Raigarh	Raigarh	220 KV S/S GERWANI	33 KV Chiraipani	IND	6.00	Ind.
11	Raigarh	Raigarh	Raigarh	132 KV S/s Gharghoda (Bhendra)	33 KV Rameswaram	IND	4.00	Ind.
12	Raigarh	Raigarh	Raigarh	132 KV S/S Chaple	33 KV Sky Alloy	IND	6.00	Ind.
13	Raigarh	Raigarh	Raigarh	220 KV Gerwani	33KV Saraipali	IND	14.0	Ind.
14	Durg	Durg City	Durg	132 KV S/S Chawani	33 KV Manveet Spat	IND	7.80	Ind.
15	Durg	Durg City	Durg	133 KV S/S Chawani	33 KV Sanker Nager	IND	5.50	Ind.
16	Durg	Durg City	Durg	134 KV S/S Chawani	33 KV Hari Om	IND	12.00	Ind.
17	Durg	Durg City	Durg	135 KV S/S Chawani	33 KV Punj Star	IND	7.30	Ind.
			Name of Consumer					
18		Janjgir-Champa	M/S NUVOCO VISTAS CORPORATION LTD.	132 KV Akaltara	132 KV Lafare	IND	25.00	Ind.
19		Raigarh	M/S M.S.P. Steel & Power Ltd	220/132 KV Raigarh	132 KV MSP	IND	8.00	CPP
20		Raigarh	M/S ALANKAR ALLOYS (P)LTD.	220/33KV S/S BORJHARA	132KV PRIME ISPAT	IND	18.50	Ind.
21		Raigarh	M/s IND SYNERGY LIMITED	220/132 KV Raigarh	132 KV Indus	IND	12.00	CPP
22		Raigarh	M/s SHAMBHAVI ISPAT	220 KV Gerwani	132 Kv SHAMBHAVI ISPAT	IND	17.25	Ind.
							192.35	

Industrial Feeders selected for load shedding

Industrial Feeders Industrial Group-VIII

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	Raigarh	Raigarh	Raigarh	132 KV S/S Chaple	33 KV Rukmani Power	IND	0.00	Ind.
2	BILASPUR	Bilaspur (O&M)	Bilaspur	132 KV Bilaspur	33 KV Sirgitti Ind.	IND	5.00	Indl.
3	BILASPUR	Bilaspur (O&M)	Bilaspur	220 kv Mopka	33 KV Rashi Steel	IND	8.00	Indl.
4	BILASPUR	Bilaspur City	Bilaspur	132 kv Silpahari	33 KV SS-II (Silpahari Ind.)	IND	9.50	Indl.
5	BILASPUR	Bilaspur City	Bilaspur	133 kv Silpahari	33 KV Sec-B	IND	5.00	Indl.
6	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Rajnandgaon	33 KV Sai Chemical	IND	5.80	Ind.
7	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Rajnandgaon	33 KV Durg-I	IND	3.50	Ind.
8	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Jangalpul (Indamara)	33 KV Industrial	IND	4.20	Ind.
9	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Dongargaon	33 KV Tumdibod	IND	3.50	Ind.
10	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Dongargaon	33 KV Industrial	IND	14.00	Ind.
11	Rajnandgaon	Rajnandgaon	Rajnandgaon	133 KV Dongargaon	33 KV Industrial-I	IND	0.00	ON
12	Rajnandgaon	Rajnandgaon	Rajnandgaon	133 KV Dongargaon	33 KV Industrial-II	IND	3.10	Ind.
13	Rajnandgaon	Rajnandgaon	Rajnandgaon	132 KV Joratarai	33 KV Tedesara	IND	2.00	Ind.
			Name of Consumer					
14		Raigarh	M/S PRAKASH INDUSTRIES LTD	220/132 KV S/S Banari	132 KV PIL	IND	20.00	CPP
15		Raigarh	M/s JSW ISPAT SPECIAL PRODUCTS LIMITED	132 KV Chaple	132KV JSW I & II	IND	40.00	CPP
16		Raigarh	M/s JINDAL STEEL & POWER LTD. PIG IRON	220 KV Raigarh	132KV J&PL I & II	IND	15.00	CPP
							138.60	

Groupwise proposal for load shedding on Town/Rural feeders

Annexure - II

Group-A

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIGARH	Raigarh	Raigarh	220 KV Gerwani	33 KV Gerwani	A	8.0	Rural
2	RAIGARH	Raigarh	Raigarh	220 KV Gerwani	33 KV Delari	A	8.0	Rural
3	RAIGARH	Raigarh	Raigarh	132 KV S/S Gharghoda	33 KV Gharghoda	A	8.0	Rural
4	RAIGARH	Raigarh	Raigarh	220 KV Raigarh	33KV Sabhalpuri	A	13.0	Rural
5	RAIGARH	Raigarh	Raigarh	220 KV Raigarh	33KV Kirodimal Nager	A	8.0	Rural
6	RAIGARH	Raigarh	Raigarh	132 KV Raigarh	33 KV Kondatarai	A	9.0	Rural
7	RAIGARH	Raigarh	Raigarh	132 KV Raigarh	33 KV Jutemil	A	12.0	Rural
8	RAIGARH	Raigarh	Raigarh	132 KV Chaple	33KV Lodhajhar	A	8.0	Rural
9	RAIGARH	Raigarh	Raigarh	132 KV Saranggarh	33 KV New Saranggarh	A	10.5	Rural
10	RAIGARH	Raigarh	Raigarh	132 KV Putkapuri	33 KV Raibar	A	9.0	Rural
11	RAIGARH	Raigarh	Raigarh	132 KV Putkapuri	33 KV Lara	A	9.0	Rural
							102.5	

Group-B

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIGARH	Raigarh	Raigarh	132 KV Putkapuri	33 KV Pussore	B	10.0	Rural
2	RAIGARH	Raigarh	Raigarh	132 KV Putkapuri	33 KV Putkapuri	B	8.0	Rural
3	RAIGARH	Raigarh	Raigarh	132 KV Putkapuri	33 KV Kotra	B	8.0	Rural
4	RAIGARH	Raigarh	Raigarh	132 KV Baramkela	33 KV Bonda	B	10.0	Rural
5	RAIGARH	Raigarh	Raigarh	132 KV Baramkela	33 KV Tousir	B	9.0	Rural
6	RAIGARH	Raigarh	Raigarh	132 KV Baramkela	33 KV Bade Nawapara	B	12.0	Rural
7	RAIGARH	Raigarh	Raigarh	132 KV Gharghoda	33 KV Charratanger	B	6.0	Rural
8	RAIGARH	Raigarh	Raigarh	132 KV Gharghoda	33 KV Kudumkela	B	12.0	Rural
9	RAIGARH	Janjgir	Janjgir-Champa	132 KV Bargaon	33 KV Pamgarh	B	11.5	Rural
10	RAIGARH	Janjgir	Janjgir-Champa	132 KV Bargaon	33 KV Rasota	B	5.0	Rural
11	RAIGARH	Janjgir	Janjgir-Champa	132 KV Bargaon	33 KV Kosla	B	3.5	Rural
12	RAIGARH	Janjgir	Janjgir-Champa	132 KV Saranggarh	33 KV Chandrapur	B	12.0	Rural
13	RAIGARH	Janjgir	Janjgir-Champa	220 KV Banari	33 KV Nawagarh-I	B	10.0	Rural
14	RAIGARH	Janjgir	Janjgir-Champa	220 KV Banari	33 KV Janjgir	B	5.0	Rural
							122.0	

Groupwise proposal for load shedding on Town/Rural feeders

Group-C

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Jaijaipur	33 KV Jaijaipur	C	10.0	Rural
2	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Jaijaipur	33 KV Akalsara	C	12.0	Rural
3	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Jaijaipur	33 KV Chhapora	C	17.0	Rural
4	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Jaijaipur	33 KV Hasoud	C	15.0	Rural
5	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Jaijaipur	33 KV Bamnihdih	C	13.0	Rural
6	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Dabhara (Rambhatha)	33 KV Dabhara	C	8.0	Rural
7	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Dabhara (Rambhatha)	33 KV Shukhda	C	14.0	Rural
8	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Dabhara (Rambhatha)	33 KV Shukhda New	C	10.0	Rural
9	RAIGARH	JANJGIR	Janjgir-Champa	132 KV Dabhara (Rambhatha)	33 KV Tulsidih	C	12.0	Rural
10	BILASPUR	Bilaspur O&M	Bilaspur	132 KV Silpahari	33 KV Umariya	C	8.5	Rural
11	BILASPUR	Bilaspur O&M	Bilaspur	132 KV Silpahari	33 KV Masturi	C	16.5	Rural
							136.0	

Group-D

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	BILASPUR	Bilaspur O&M	Bilaspur	132 KV Kota	33 KV daija	D	13.0	Rural
2	BILASPUR	Bilaspur O&M	Bilaspur	132 KV Koni	33 KV Baima	D	6.0	Rural
3	BILASPUR	Bilaspur O&M	Bilaspur	132 KV Pamgarh	33 KV Pachpedi	D	4.5	Rural
4	BILASPUR	Bilaspur O&M	Bilaspur	220 KV Kotmikala	33 KV Marwahi Express	D	8.5	Rural
5	BILASPUR	Bilaspur O&M	Mungeli	132 KV Takhatpur (Araiband)	33 KV Daija	D	18.5	Rural
6	BILASPUR	Bilaspur O&M	Mungeli	132 KV Takhatpur (Araiband)	33 KV Belpan	D	18.5	Rural
7	BILASPUR	Bilaspur O&M	Mungeli	132 KV Takhatpur (Araiband)	33 KV Takhatpur Express	D	16.5	Rural
8	BILASPUR	Bilaspur O&M	Mungeli	132 KV Takhatpur (Araiband)	33 KV Takhatpur Girdhouna	D	11.5	Rural
9	BILASPUR	Bilaspur O&M	Mungeli	132 KV Pathariya (Dhardehi)	33 KV Kukulada	D	9.0	Rural
10	BILASPUR	Bilaspur O&M	Mungeli	132 KV Rohra (Mungeli)	33 KV Lormi	D	0.0	on
11	BILASPUR	Bilaspur O&M	Mungeli	132 KV Rohra (Mungeli)	33 KV Manoharpur	D	5.0	Rural
12	BILASPUR	Bilaspur O&M	Mungeli	132 KV Lormi (kabratola)	33 KV Manoharpur	D	16.0	Rural
13	BILASPUR	Bilaspur O&M	Mungeli	132 KV Lormi (kabratola)	33 KV Patharri	D	15.5	Rural
							142.5	

Groupwise proposal for load shedding on Town/Rural feeders

Group-E

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	BILASPUR	Bilaspur O&M	Mungeli	132 KV Lormi (kabratola)	33 KV Lormi	E	15.0	Rural
2	BILASPUR	Bilaspur O&M	Mungeli	132 KV Lormi (kabratola)	33 KV Newsa	E	11.0	Rural
3	BILASPUR	Bilaspur O&M	Mungeli	220 KV Temri	33 KV Temri	E	8.0	Rural
4	BILASPUR	Bilaspur O&M	Mungeli	220 KV Temri	33 KV Ramgarh	E	7.0	Rural
5	BILASPUR	Bilaspur O&M	Mungeli	132 KV Mungeli (Gidha)	33 KV Temri	E	5.5	Rural
6	BILASPUR	Korba	Korba	132 KV Champa	33 KV Uрга	E	4.0	Rural
7	BILASPUR	Korba	Korba	132 KV Champa	33 KV Sohagpur	E	6.0	Rural
8	BILASPUR	Korba	Korba	132 KV Kharmora	33 KV Rajgamar	E	4.0	Rural
9	BILASPUR	Korba	Korba	132 KV Kharmora	33 KV Bhaisma	E	7.0	Rural
10	BILASPUR	Korba	Korba	132 KV Kharmora	33 KV Kartala	E	13.0	Rural
11	BILASPUR	Korba	Korba	132 KV Renki	33 KV Hardibazar	E	7.0	Rural
12	BILASPUR	Korba	Korba	132 KV Renki	33 KV Boida	E	2.0	Rural
13	BILASPUR	Korba	Korba	132 KV Chhuri khurd	33 KV Chhuri	E	14.0	Rural
14	BILASPUR	Korba	Korba	132 KV Chhuri khurd	33 KV Pali	E	6.0	Rural
15	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Basana	33 KV Kudekel	E	11.6	Town
							121.1	

Group-F

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Saraipali	33 KV Bhukel	F	13.0	Rural
2	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Saraipali	33 KV kosampali	F	16.0	Rural
3	RAIPUR RURAL	Mahasamund	Mahasamund	220 KV Parswani	33 KV sirpur	F	14.0	Rural
4	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Bagbahara	33 KV Goyanabahara	F	12.5	Rural
5	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Bagbahara	33 KV Khallari	F	9.0	Rural
6	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Bagbahara	33 KV Narra	F	14.5	Rural
7	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Basana	33 KV Pirda	F	14.5	Town
8	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Basana	33 KV Salkhand	F	16.5	Town
9	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Sankara	33 KV Limarda	F	9.0	Rural
10	RAIPUR RURAL	Mahasamund	Mahasamund	132 KV Mahasamund	33 KV Rajim	F	16.4	Rural
11	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Kasdol	33 KV Barpali	F	17.5	Rural
							152.9	

Group-G

Groupwise proposal for load shedding on Town/Rural feeders

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Simga	33 KV Nandghat	G	12.5	Rural
2	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Simga	33 KV Bemetara-I	G	18.2	Rural
3	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Suhela	33 KV Jaroud	G	15.0	Rural
4	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Suhela	33 KV Hathband	G	11.5	Rural
5	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	220 KV Bhatapara	33 KV Bhatapara-I	G	16.2	Rural
6	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Temri	33 Chandan	G	12.0	Rural
7	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Temri	33 KV Rajpur	G	9.5	Rural
8	RAIPUR RURAL	Baloda Bazar	Baloda Bazar	132 KV Balodabazar	33 KV Magarchaba (Pangaon)	G	12.0	Rural
9	RAIPUR RURAL	Raipur O&M	Raipur	220/132 KV Simga	33 KV Raipur	G	15.3	Rural
10	RAIPUR RURAL	Raipur O&M	Raipur	132 KV Mandir Hasaud	33 KV Arang	G	0.0	on
11	RAIPUR RURAL	Raipur O&M	Raipur	132 KV Gullu (Arang)	33 KV Highway	G	6.2	Rural
							128.4	

Group-H

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	RAIPUR CITY	Raipur CC-II	Raipur	220 KV Siltara	33 KV Dharsiwa	H	0.0	on
2	RAIPUR CITY	Raipur City-II	Raipur	220 KV Urla	33 KV Urla-I	H	14.10	Rural
3	RAIPUR RURAL	Raipur O&M	Raipur	132 KV Tulsi	33 KV Tohda	H	9.0	Rural
4	RAIPUR RURAL	Raipur O&M	Raipur	132 KV Kuthrel	33 KV Silyari	H	16.0	Rural
5	RAIPUR RURAL	Raipur O&M	Raipur	132 KV Kuthrel	33 KV Sankara	H	7.0	Rural
6	RAIPUR RURAL	Raipur O&M	Raipur	132KV Mana	33 KV Tuta-1	H	14.3	Rural
7	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Bhakhara	33 KV Bhakhara	H	9.5	Rural
8	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Bhakhara	33 KV Korra	H	6.5	Rural
9	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Bhakhara	33 KV Silidih	H	7.0	Rural
10	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Mohandi	33 KV Mohandi	H	10.0	Rural
11	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Mohandi	33 KV Borsi	H	14	Rural
12	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Mohandi	33KV Megha	H	7.5	Rural
13	RAIPUR RURAL	Raipur O&M	Dhamtari	132 KV Mohandi	33KV Pond	H	12.5	Rural
							127.4	

Groupwise proposal for load shedding on Town/Rural feeders

Group-I

Sl. No.	NAME OF REGION	NAME OF CIRCLE	NAME OF DISTRICT	NAME OF EHV S/S	NAME OF FEEDER	GROUP NO.	LOAD IN MW	Remarks
1	DURG	Durg O&M	Bemetara	220 KV Bemetara	33 KV Sarda	I	8.0	Rural
2	DURG	Durg O&M	Bemetara	132 KV Nawagarh	33 KV Hemabandh	I	14.0	Rural
3	DURG	Durg O&M	Bemetara	132 KV Sankara	33 KV Berla	I	5.5	Rural
4	DURG	Durg O&M	Bemetara	132 KV Sankara	33 KV Gondgiri	I	13.9	Rural
5	DURG	Durg O&M	Bemetara	132 KV Sankara	33 KV Neonara	I	14.3	Town
6	DURG	Durg O&M	Bemetara	132 KV Sankara	33 KV Anand Gaon	I	18.0	Rural
7	DURG	Durg O&M	Bemetara	132 KV Saja	33 KV Deorbija	I	20.0	Rural
8	DURG	Durg O&M	Bemetara	132 KV Gandai	33 KV Parpodi	I	6.6	Rural
							100.3	

ADMS FEEDER

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
1	A1	Raigarh	Raigarh	Raigarh	220 KV Raigarh	33 Loing	
2	A2	Raigarh	Raigarh	Raigarh	220 KV Raigarh	33 KV Kirodimal	
3	A3	Raigarh	Raigarh	Raigarh	220 KV Raigarh	33 KV Sambalpur	
4	A4	Raigarh	Raigarh	Raigarh	132 KV Raigarh	/33 KV Jhalmala	
5	A5	Raigarh	Raigarh	Raigarh	132 KV Raigarh	33 KV Kusmura	
6	A6	Raigarh	Raigarh	Raigarh	132 KV Raigarh	33 KV Kondatarai	
7	A7	Raigarh	Raigarh	Raigarh	132 KV Raigarh	11 KV Gharghoda/ 11 KV Gaianandpuram	
8	A8	Raigarh	Raigarh	Raigarh	132 KV S/s Baramkela	33 KV Baramkela	
9	A9	Raigarh	Raigarh	Raigarh	132 KV S/s Baramkela	33 KV Lendhara	
10	A10	Raigarh	Raigarh	Raigarh	132 KV S/s Baramkela	33 KV Sariya	
11	A11	Raigarh	Raigarh	Raigarh	132 KV S/s Baramkela	33 KV Salheona	
12	A12	Raigarh	Raigarh	Raigarh	132 KV S/s Gharghoda (Bhendra)	33 KV Lailunga	
13	A13	Raigarh	Raigarh	Raigarh	132 KV S/s Gharghoda (Bhendra)	33 KV Gharghoda	
14	A14	Raigarh	Raigarh	Raigarh	132 KV S/s Gharghoda (Bhendra)	33 KV Tamnar	
15	A15	Raigarh	Raigarh	Raigarh	132 KV S/s Kharsia (Chaple)	33 KV Nandeli	
16	A16	Raigarh	Raigarh	Raigarh	132 KV S/s Kharsia (Chaple)	33 KV Madanpur	
17	A17	Raigarh	Raigarh	Raigarh	132 KV S/s Kharsia (Chaple)	33 KV Belwadih	
18	B1	Raigarh	Raigarh	Raigarh	132 KV Sarangarh (Kotri)	33 KV Kankbira	
19	B2	Raigarh	Raigarh	Raigarh	132 KV Sarangarh (Kotri)	33 KV Gudeli	
20	B3	Raigarh	Raigarh	Raigarh	132 KV Sarangarh (Kotri)	33 KV Sarsiwa	
21	B4	Raigarh	Raigarh	Raigarh	132 KV Sarangarh (Kotri)	33 KV Sarangarh (I)	
22	B5	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Jagdishpur (Basna-II) feeder	
23	B6	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Bhukel feeder	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remarks
24	B7	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Ganekera feeder	
25	B8	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Saraipali New feeder	
26	C1	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Ghanteshwari feeder	
27	C2	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Baloda feeder	
28	C3	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Bhanwarpur (Sagarnali) feeder	
29	C4	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220/132/33 KV S/s Saraipali	33KV Maldamal feeder	
30	C5	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Jhalap feeder	
31	C6	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Pithora feeder	
32	C7	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Raitum feeder	
33	C8	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Bawankera feeder	
34	C9	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Temari (Sankara)	33 KV Chandan(Balididih)	
35	C10	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Temari (Sankara)	33 KV Rajpur(Bhagat deori)	
36	C11	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Temari (Sankara)	33 KV Paraswani(Raiadeori)	
37	D1	Raipur (Rural)	BalodaBazar	BalodaBazar	220/132/33 KV S/s Suhela	SUHELA TOWN	
38	D2	Raipur (Rural)	BalodaBazar	BalodaBazar	220/132/33 KV S/s Bhatapara	33 NIPANIA	
39	D3	Raipur (Rural)	BalodaBazar	BalodaBazar	220/132/33 KV S/s Bhatapara	33 B. BAZAR I/C	
40	D4	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Bhatapara I/C	
41	D5	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Palari	
42	D6	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Kasdol	
43	D7	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Sandi	
44	D8	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Sonadih	
45	D9	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Baloda Bazar (Kukurdih)	33 KV Suhela	
46	D10	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	220KV Paraswani	33KV Patewa Feeder	
47	D11	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33KV Mahasamund	33 Kv Bagbahara feeder	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
49	D13	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Nartora feeder	
50	D14	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132/33 KV S/s Jhalap	33KV Tendukona feeder	
51	D15	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132KV Baghbahara(Sunsuniya)	33KV Sunsuniya	
52	D16	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132KV Baghbahara(Sunsuniya)	33KV Tendukona NEW feeder	
53	D17	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132KV Baghbahara(Sunsuniya)	33KV Baghbahara	
54	D18	RAIPUR RURAL	MAHASAMUND	MAHASAMUND	132KV Baghbahara(Sunsuniya)	33KV Temri	
55	E1	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S CHAMPA	33 BIRRA	
56	E2	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S CHAMPA	33 KV SARAGAON/JANJGIR	
57	E3	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S CHAMPA	33 KV URG	
58	E4	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S CHAMPA	33 KV SAKTI	
59	E5	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S CHAMPA	33 KV KHARSIA	
60	E6	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV MALKHARODA 1	
61	E7	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV FAGURAM 1	
62	E8	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV FAGURAM 2	
63	E9	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV MALKHARODA 2	
64	E10	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV NANDELI BHATHA	
65	E11	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S ADBHAR(sakti)	33 KV ADBHAR(SAKTI)	
66	E12	RAIGARH	JANJGIR	JANJGIR-CHAMPA	220/132/33 KV S/S BANARI	33 KV NAWAGARH-2	
67	E13	RAIGARH	JANJGIR	JANJGIR-CHAMPA	220/132/33 KV S/S BANARI	33 KV SHYAM AGRO	
68	E14	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S AKALTARA	33 KV SHEORINARAYAN	
69	E15	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S AKALTARA	33 KV BALODA	
70	E16	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S AKALTARA	33 KV JANJGIR	
71	E17	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S AKALTARA	33 KV AKALTARA 1	
72	E18	RAIGARH	JANJGIR	JANJGIR-CHAMPA	132/33 KV S/S AKALTARA	33 KV AKALTARA 2	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
73	F1	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s Chakarbhata	33 KV Sargaon	
74	F2	Bilaspur	Bilaspur	Bilaspur	220/132/33 KV S/s MOPKA	33 KV Seepat	
75	F3	Bilaspur	Bilaspur	Bilaspur	220/132/33 KV S/s MOPKA	33 KV NTPC 1	
76	F4	Bilaspur	Bilaspur	Bilaspur	220/132/33 KV S/s MOPKA	33 KV NTPC 2	
77	F5	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s Tifra Bilaspur	33 KV Sirgitti Industrial	
78	F6	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s Tifra Bilaspur	33 KV Kota	
79	F7	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s Tifra Bilaspur	33 KV Belgahana	
80	F8	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s Tifra Bilaspur	33 KV Takhatpur	
81	F9	Bilaspur	Bilaspur	GPM	220/132/33 KV S/S Kotamikala	33 KV Kotmi kala	
82	F10	Bilaspur	Bilaspur	GPM	220/132/33 KV S/S Kotamikala	33 KV Marwahi 1	
83	F11	Bilaspur	Bilaspur	GPM	220/132/33 KV S/S Kotamikala	33 KV Gourella	
84	F12	Bilaspur	Bilaspur	GPM	220/132/33 KV S/S Kotamikala	33 KV Pendra	
85	F13	Bilaspur	Korba	Korba	132/33 kv Jamnipali(darri)	DARRI-II	
86	G1	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/S Kota	33 KV Kota	
87	G2	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/S Kota	33 KV Belgahana	
88	G3	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/S Kota	33 KV Kargi- Lormi	
89	G4	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/S Kota	33 KV Ratanpur	
90	G5	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s silpahari	33 KV Malhar	
91	G6	Bilaspur	Bilaspur	Bilaspur	132/33 KV S/s silpahari	33 KV Bartori(New meter)	
92	G7	Bilaspur	City Circle Bilaspur	Bilaspur	132/33 kv Silphari	Ss-2 (silpahri IndL II)	
93	G8	Bilaspur	City Circle Bilaspur	Bilaspur	132/33 kv Silphari	Torwa	
94	G9	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Pathariya	33 Kv Pathariya	
95	G10	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Pathariya	33 Kv Sargaon	
97	G12	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Mungeli	33 KV Pathariya	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
98	G13	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Mungeli	33 KV Monoharpur	
99	G14	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Mungeli	33 KV Pandariya	
100	G15	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Mungeli	33 KV Fasterpur	
101	G16	Bilaspur	Bilaspur	Mungeli	132/33 KV S/S Mungeli	33 KV Takhatpur	
102	H1	Durg	O&M Circle Durg	BEMETARA	220 KV BEMETARA	33 KV MATKA	
103	H2	Durg	O&M Circle Durg	BEMETARA	220 KV BEMETARA	33 KV BEMETARA RURAL	
104	H3	Durg	O&M Circle Durg	DURG	132 KV DHAMDHA	33 KV PARPODI	
105	H4	Durg	O&M Circle Durg	DURG	132 KV DHAMDHA	33 KV SAJA	
106	H5	Durg	O&M Circle Durg	DURG	132 KV Dhamdha	33 KV Dargaon	
107	H6	Durg	O&M Circle Durg	DURG	132 KV Dhamdha	33 KV Litiya	
108	H7	Durg	O&M Circle Durg	DURG	132/33 KV Dhamdha	33 Kv Dhamdha	
109	H8	Durg	O&M Circle Durg	DURG	132 KV Dhamdha	33 KV Nandkathi	
110	H9	Durg	O&M Circle Durg	BEMETARA	132/33 KV S/S NAWAGARH	33KV Nawagarh	
111	H10	Durg	O&M Circle Durg	BEMETARA	132/33 KV S/S NAWAGARH	33 KV Sambalpur	
112	H11	Durg	O&M Circle Durg	BEMETARA	132/33 KV S/S NAWAGARH	33 KV Marka	
113	H12	Durg	O&M Circle Durg	BEMETARA	132/33 KV S/S NAWAGARH	33 KV Chhirha	
114	H13	Durg	O&M Circle Durg	BEMETARA	132/33 KV SAJA	33 KV SAJA	
115	H14	Durg	O&M Circle Durg	BEMETARA	132/33 KV SAJA	33 KV BORTARA	
116	H15	Durg	O&M Circle Durg	BEMETARA	132/33 KV SAJA	33 KV MOHGAON	
117	H16	Durg	O&M Circle Durg	BEMETARA	132/33 KV SAJA	33 KV THELKA	
118	H17	DURG	DURG CITY	DURG	132/33 KV REMODLING BHILAI	33KV SOMNI FEEDER	
119	I1	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	BEMETARA-II	
120	I2	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	NEW BILASPUR	
121	I3	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	11 KV Limtara	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
122	14	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	11 KV Hathbandh	
123	15	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	11 KV Baikunth	
124	16	Raipur (Rural)	BalodaBazar	BalodaBazar	132/33 KV S/s Simga	11 KV Town	
125	17	RAIPUR RURAL	Raipur	Raipur	220 KV S/S Doma	33 KV Raveli	
126	18	RAIPUR RURAL	Raipur	Raipur	132 KV S/S Kuhera	33 KV Pond	
127	19	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	AMDI	
128	I10	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	BASIN	
129	I11	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	11 KV PURUR	2 year ago dismantle
130	I12	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	ABHANPUR	
131	I13	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	BHAKHARA	
132	I14	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	KHARENGA	
133	I15	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV CHITOD (Dhamtari)	CHHATI	
134	I16	Durg	O&M Circle Durg	BALOD	220/132/KV GURUR	33 KV Balod	
135	I17	Durg	O&M Circle Durg	BALOD	220/132/KV GURUR	33 KV Gurur	
136	I18	Durg	O&M Circle Durg	BALOD	220/132/KV GURUR	33 KV Nipani	
137	I19	Durg	O&M Circle Durg	BALOD	220/132/KV GURUR	33 KV Palari	
138	I20	Durg	O&M Circle Durg	BALOD	220/132/KV JUNGERA(BALOD)	33 KV Balod 1	
139	I21	Durg	O&M Circle Durg	BALOD	220/132/KV JUNGERA(BALOD)	33 KV Latabod	
140	I22	Durg	O&M Circle Durg	BALOD	220/132/KV JUNGERA(BALOD)	33 KV Sankra	
141	I23	Durg	O&M Circle Durg	BALOD	220/132/KV IRAGUDA (GUNDERDEHI)	33KV Sikosa	
142	I24	Durg	O&M Circle Durg	BALOD	220/132/KV IRAGUDA (GUNDERDEHI)	33KV Rewagahan	
143	I25	Durg	O&M Circle Durg	BALOD	220/132/KV IRAGUDA (GUNDERDEHI)	33KV Arjunda (Kurdi)	
144	I26	Durg	O&M Circle Durg	BALOD	220/132/KV Dalli Konde (DALLI RAJHRA)	33 Kv Lohara	
145	J1	RCR	Circle-II	Raipur	132KV BIRGAON	Simga	

Sl. No.	Grp No.	Name of Region	Name of Circle	Name of District	Name of EHV S/S	Name of Feeder	Remark
146	J2	RAIPUR RURAL	Raipur	Raipur	132 KV S/S Monet	33 KV Mandir Hasoud	
147	J3	RAIPUR RURAL	Raipur	Raipur	132 KV S/S Monet	33 KV Shiva Pump	
148	J4	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV KURUD	Gadadih	
149	J5	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV KURUD	Marod	
150	J6	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV KURUD	Seldeep (Magarlod)	
151	J7	RAIPUR RURAL	Raipur	Dhamtari	132/33 KV KURUD	Kurud	
152	J12	RAIPUR RURAL	Raipur	Gariaband	220 KV S/s Koma (RAJIM)	33 KV ABHANPUR	
153	J13	RAIPUR RURAL	Raipur	Gariaband	220 KV S/s Koma (RAJIM)	33 KV BHENDARI	
154	J14	RAIPUR RURAL	Raipur	Gariaband	220 KV S/s Koma (RAJIM)	33 KV FINGESHWAR	
155	J15	RAIPUR RURAL	Raipur	Gariaband	220 KV S/s Koma (RAJIM)	33 KV PARAGAON (RAJIM)	

भारत का राजपत्र
The Gazette of India

सी.जी.-डी.एल.-अ.-31122020-224061
CG-DL-E-31122020-224061

असाधारण
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (i)
PART II—Section 3—Sub-section (i)

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 681]
No. 681]

नई दिल्ली, बृहस्पतिवार, दिसम्बर 31, 2020/पौष 10, 1942
NEW DELHI, THURSDAY, DECEMBER 31, 2020/PAUSHA 10, 1942

विद्युत मंत्रालय

अधिसूचना

नई दिल्ली, 31 दिसम्बर, 2020

सा.का.नि. 817(अ).—केंद्रीय सरकार, विद्युत अधिनियम, 2003 (2003 का 36) की धारा 176 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, विद्युत नियम, 2005 का और संशोधन करने के लिए, निम्नलिखित नियम बनाती है, अर्थात्:-

1. संक्षिप्त नाम और प्रारम्भ - (1) इन नियमों का नाम विद्युत (संशोधन) नियम, 2020 है।
(2) ये राजपत्र में उनके प्रकाशन की तारीख को प्रवृत्त होंगे।
2. विद्युत नियम, 2005 के नियम 7 में,
(क) पार्श्व शीर्षक में "उपभोक्ता शिकायत निवारण मंच और" शब्दों का लोप किया जाएगा;
(ख) उप-नियम (1) और उसके प्रावधानों का लोप किया जाएगा।

[फा. सं. 23/05/2020-आर एंड आर]

घनश्याम प्रसाद, संयुक्त सचिव

टिप्पण: मूल नियम को भारत के राजपत्र में सा.का.नि. 379 (अ) तारीख 8 जून, 2005 द्वारा प्रकाशित किए गए थे तथा भारत के राजपत्र में सा.का.नि. 667 (अ), तारीख 26 अक्टूबर, 2006 द्वारा संशोधित किए गए थे।

against the security amount with the distribution licensee. The remaining security deposit shall be refunded to the consumer within such period as specified by the Commission, not exceeding seven days.

- (2) In case the disconnection has been done on account of non-payment of past dues, the licensee shall reconnect the consumer's installation within such time as specified by the Commission, not exceeding six working hours of receipt of past dues and other charges as applicable.
- (3) Pre-payment meters will be designed to automatically cut off supply when the amount credited is exhausted. This shall however not be treated as a disconnection and the supply will be resumed whenever the meter is recharged.

10. Reliability of supply.- (1) The distribution licensee shall supply 24x7 power to all consumers. However, the Commission may specify lower hours of supply for some categories of consumers like agriculture.

- (1) The Commission shall specify the following parameters to maintain the reliability of supply by the distribution licensee; namely:-

- (a) total duration and frequency of outages per consumer in a year -

- a. System average interruption duration index (SAIDI);
- b. System average interruption frequency index (SAIFI);

- (b) the minimum outage time (in minutes) that the distribution licensee shall consider for the calculation of SAIDI or SAIFI, as the case may be

- (2) The distribution licensee shall put in place a mechanism, preferably with automated tools to the extent possible, for monitoring and restoring outages.

11. Consumer as prosumer.- (1) While the prosumers will maintain consumer status and have the same rights as the general consumer, they will also have right to set up Renewable Energy (RE) generation unit including roof top solar photovoltaic (PV) systems – either by himself or through a service provider.

- (2) Renewable Energy (RE) generation unit may also be set up on other part of the premises of the prosumers, apart from the roof, however the total generation capacity of the RE unit shall not exceed the limit as specified by the Commission.
- (3) The Commission shall lay down regulations on Grid Interactive Roof top Solar PV system and its related matters with timelines of not exceeding six months from the date of notification of these rules, in case the same has not been notified.
- (4) The regulations on Grid Interactive Roof top Solar PV system and its related matters shall provide for net metering for loads up to ten kW and for gross metering for loads above ten kW.
- (5) The distribution licensee shall facilitate the process for setting up of RE generation system at prosumers' premises. In this regard, the licensee shall-
 - (a) create an online portal for receiving applications from prosumers for installation, interconnection and metering of distributed renewable energy systems or devices at their premises, and update the same on a regular basis;
 - (b) prominently display on its website and in all its offices, the following; namely:-
 - (i) detailed standardized procedure for installation and commissioning of roof top solar system;
 - (ii) a single point of contact to facilitate the consumers in installation of roof top solar system from submission of application form to commissioning.
 - (iii) address and telephone numbers of offices where filled-up application forms can be submitted;
 - (iv) complete list of documents required to be furnished along with such applications;
 - (v) applicable charges to be deposited by the applicant;
 - (vi) empanelled list of service providers for the benefit of consumers who want to install roof top solar PV system through service providers; and

Annexure V

**CHHATTISGARH STATE ELECTRICITY REGULATORY COMMISSION
RAIPUR**

Petition No. 10 of 2009(T)
Petition No. 11 of 2009(T)
Petition No. 12 of 2009(T)

**Present : Shri S.K. Misra, Chairman
Shri B.K. Sharma, Member**

In the matter of -

- (1) Approval of annual revenue requirement (ARR) for the year 2008-09 and generation tariff for the year 2009-10 for Chhattisgarh State Power Generation Co. Ltd.
- (2) Approval of annual revenue requirement (ARR) for the year 2008-09 and transmission tariff for the year 2009-10 for Chhattisgarh State Power Transmission Co. Ltd.
- (3) Approval of annual revenue requirement (ARR) for the year 2008-09 and determination of ARR and retail supply tariff for the year 2009-10 for Chhattisgarh State Power Distribution Co. Ltd.

**ORDER
(Passed on 30.05.2009)**

This order is passed in respect of the applications filed by the Chhattisgarh State Power Generation Company Ltd. (CSPGCL), the Chhattisgarh Power Transmission Company Ltd. (CSPTCL), and the Chhattisgarh State Power Distribution Company Ltd. (CSPDCL), the successor to the Chhattisgarh State Electricity Board (CSEB or the Board, for short) for approval of the Annual Revenue Requirement (ARR,) for the financial year 2008-09 and 2009-10 and generation tariff, transmission

CERC - Tariff Order FY 10

i

Commission's views

The Commission in its previous orders has approved R&M Expenses as 5% of opening GFA. The Commission will specify O&M norms for CSPDCL in the MYT order after finalization of Transfer Scheme. For FY 2009-10, the Commission has considered R&M Expenses @ 5% of opening GFA only as approved earlier.

Table 5.33
Gross R&M Expense (Rs. Crore)

Particulars	FY 2009-10	
	Petition	Approved
R&M Expenses	91.91	91.91

✓ 5.4.7 Capital Investment Plan for FY 2008-09 and FY 2009-10

CSPDCL submitted that they are planning major investments to augment the plants and network to meet the current demands at normative parameters as well as to meet the future growth in demand. The key features of the planned investments from FY 2008-09 are as follows

- More 33 kV and 11 kV lines to bring down LT/HT line ratio.
- More 33 kV substations to improve voltage levels and extend reach areas.
- DTR metering and Consumer indexing to support energy audit.
- Line works for pump energisation.
- Rural Electrification works both under RGGVY scheme and RE works program.
- Technological up-gradations under the Restructured APDRP programme and EITC programme.

The table below provides the details of the capital investment proposed by CSPDCL for FY 2008-09 and 2009-10:

Table 5.34
Capital Investment Plan (Rs. Crore)

Name	Funding	2008-09			2009-10		
		Equity	Loan	Grant	Equity	Loan	Grant
RGGVY	100% Grant	-	-	260	-	-	260
APDRP	100% Grant after 2008-09	62	-	-	-	-	-
✓ Atal Jyoti	70-30 D/E Ratio	22.5	52.5	75	45	105	125

Name	Funding	2008-09			2009-10		
		Equity	Loan	Grant	Equity	Loan	Grant
RE works (other than RGGVY including Pump)	Fixed grant, rest equity	175	-	25	100	-	50
Sub Transmission & Normal development Works (ST & ND)	Fixed grant, rest equity	175	-	66	180	-	70
Distribution Loss Reduction	70-30 D/E Ratio	14.85	34.65	-	45.3	105.7	-
Energy Infotech Centre (EITC)	70-30 D/E Ratio	9.3	21.7	-	7.2	16.8	-
Total		458.65	108.85	426	377.5	227.5	1055.5
Capitalisation		397.25			597.64		

The total capital investment proposed by CSPDCL for FY 2008-09 and FY 2009-10 is Rs. 993.5 Crore and 1660.5 Crore respectively, as detailed in table above. During the technical validation session the Commission has enquired about the preparedness and the capacity of the company to execute the proposed capital projects (scheme wise) in FY 2009-10. CSPDCL, in reply, has stated that the State Govt. has not made any provision for Atal Jyoti Yojna in the budget for the FY 2009-10 and hence equivalent quantum of work of Rs. 50 Crore will be reduced in FY 2009-10. The works corresponding to 70% of the expenditure in a particular year would be capitalised while the rest would be capitalised in the succeeding year. Thus the amount capitalised would be 397.25 Crore and 597.64 Crore for FY 2008-09 and FY 2009-10 respectively.

Commission's views

The CSPDCL's capital expenditure plans, funding for the same, preparedness for undertaking the same, orders placed, etc., were discussed with the CSPDCL's officers, to assess whether the high level of capital expenditure envisaged by the company for FY 2008-09 and FY 2009-10 could be undertaken, and whether the required funds have been tied up.

The details of various projects and preparedness submitted by CSPDCL are as follows:

- APDRP:
 - ✓ Tender floated under part A of R-APDRP scheme for appointment of IT consultant
 - ✓ Proposed expenditure for FY 2009-10 is Rs. 125 cr. (Full Grant from FY 2009-10 onwards)

- **Atal Jyoti Yojna:**
 - ✓ Amount of Rs. 125 Crore received from State Government out of which Rs. 75 cr. is likely to be spent by FY 2008-09 and balance will be available for FY 2009-10.
 - ✓ Unavailability of funds under this scheme for the FY 2009-10 due to constraints being admitted by State Government.
 - ✓ CSPDCL plans to implement the scheme by arranging an equity of Rs. 45 Crore and loan of Rs. 105 cr.
- **RE Works (other than RGGVY):**
 - ✓ Works of electrification of village and Majra sanctioned during preceding year but pending for execution are included in this scheme.
 - ✓ No provision made by Government for providing grant under this scheme.
- **RGGVY scheme:**
 - ✓ Total expenditure proposed is Rs. 760 Crore comprising of Rs. 684 cr. grant from Central Government and Rs. 76 Crore grant from State govt.
 - ✓ Scheme of 13 districts have been sanctioned out of which an expenditure of Rs. 200 cr. is likely to be incurred by end of FY 2008-09.
- **ST & ND:**
 - ✓ Works under this scheme include extension of 33 kV, 11 kV and LT lines, installation commentaries of 33/11 kV and 11/0.4 kV S/s, release of service connections and other wise works.
 - ✓ No provision made by State budget for the FY 2009-10.
 - ✓ Amount of Rs. 150 Crore through equity and 50 Crore through loan from REC to be arranged.
- **T&D loss reduction:**
 - ✓ Funds for these schemes to be arranged through equity and loan.
 - ✓ Preparation of scheme to get the loan sanction from REC.

Funding of the entire capital expenditure for RGGVY scheme for FY 2008-09 and FY 2009-10 is through grants from the State and Central Governments. Therefore the Commission has accepted the capital expenditure as projected by CSPDCL for this scheme. As regards to capital expenditure under ST & ND and for distribution loss reduction, the Commission is of the view that the expenditure proposed by CSPDCL is on a higher side, considering the actual capital expenditure incurred in previous years. On the basis of the actual expenditure incurred till December 2008 in FY 2008-09, the Commission has considered 70% and 50% of the works proposed by CSPDCL for the FY 2008-09 and FY 2009-10 respectively. However, the capital investments towards EITC has been considered as projected by CSPDCL.

Table 5.35
Capital Expenditure and Capitalization in FY 2008-09 and FY 2009-10 (Rs. Crore)

Project	FY 2008-09 (Petition)	FY 2008-09 Actual Till Dec-08	FY 2008-09	Petition (FY 2009- 10)	Commission FY 2009-10
			Commission		
RGVY	260.00	116.12	260.00	260.00	260.00
APDRP	62.00	69.72	62.00	125.50	125.50
Atal Jyoti	150.00	50.65	75.00	200.00	150.00
RE works (other than RGVY including Pump)	200.00	230.88	250.00	150.00	150.00
ST & ND	241.00	192.01	241.00	250.00	250.00
T&D Loss Reduction	49.50	47.01	49.50	151.00	75.50
EITC	31.00	8.00	31.00	24.00	24.00
Total	993.50	714.42	968.50	1660.50	1535.00
Capitalisation			677.95		1365.05

In FY 2008-09, the Commission has considered 70% of the Capital Expenditure incurred in FY 2008-09 gets capitalised in that particular year and rest 30% of the capital expenditure gets capitalised in the subsequent FY 2009-10 along with 70% of the capital expenditure provided for FY 2009-10 gets capitalised in the same FY 2009-10.

The total capital investment considered by the Commission for FY 2008-09 and FY 2009-10 is Rs. 968.50 Crore and 1535 Crore respectively, as detailed in table above. The Commission would like to emphasize that though the Commission has considered the capital expenditure towards other ST, ND and distribution loss reduction as discussed above, for the purpose of estimation of ARR and determination of tariff, the same should not be considered as approval of capital expenditure by the Commission. The Commission directs CSPDCL to submit the scheme-wise details of the capital expenditure for each estimate above Rs 5 Crore for the approval of the Commission. The Commission directs that implementation of capital estimate above Rs. 5 crore should not be undertaken without the specific approval of the Commission.

5.4.8 Interest and Finance charges

CSPDCL has submitted that the loans that could be identified with a particular functional wing of G, T or D of erstwhile CSEB has been allocated to the respective functional company. However, the remaining loans have been trifurcated based on the GFA across the three functional companies.

8.4 DIRECTIVES TO DISTRIBUTION COMPANY (CSPDCL)

8.4.1 Compliance to Directives issued in previous tariff orders

8.4.1.1 Energy audit and DSM

The erstwhile CSEB was directed to take up the work of energy audit and adoption of demand side management practices. CSEB had engaged M/s ABPS Infrastructure Advisory Limited, Mumbai for consultancy regarding activities in DSM load study and energy conservation. The preliminary concept report had been submitted by the consultant on 05.05.08 and draft final report have been submitted on 30.09.2008. The comments on the final draft have been given recently by the company. CSEB had also reported on 27.11.08 that the Board had executed an agreement with M/s Banyan Environmental Innovations Pvt. Ltd., Hyderabad to distribute CFL among consumers at most competitive rates by availing CDM benefit, but nothing has been mentioned about the present status of the scheme in the petition. CSPDCL's response in this respect is inadequate.

The Commission has further observed that Bureau of Energy Efficiency, Govt. of India has introduced Bachat Lamp Yojna (CDM based CFL scheme). It is observed from the scheme that the then CSEB as distribution licensee had shown its intent to Bureau of Energy Efficiency for undertaking such project in the state. The Commission directs CSPDCL to follow up with the consultant for submission of final report and take suitable action for demand side management. The CSPDCL should also consider implementing the Bachat Lamp Yojna in the State. While implementing the Bachat Lamp Yojna, priority may be given to BPL consumers, so that they may have more illumination in their households within the limit of 120 watts.

8.4.1.2 DSM for Load Control through Agricultural Feeders

The maximum and minimum demand of the state during a day is creating peak and dip in the daily load curve. CSEB has initiated "ATAL JYOTI YOJNA" for separating feeders of agricultural pump set from the rural domestic light and fan (DLF) feeders by laying separate 11 KV line for agricultural pump sets. The main objective of feeder separation is to flatten the load curve by reducing evening peak by arranging the time schedule of agricultural feeders round the clock. The Commission directs CSPDCL to implement suitable measures for such agricultural feeders with a view to minimise the evening peak.

Annexure - VI

Business Plan Order

Control Period FY 2010-11 to FY 2012-13

agriculture pumps and simultaneously develop the rural distribution network to electrify those villages and majratolla which are not covered under the RGGVY scheme to make electricity available to all households by 2012 as per the national plan. The year wise physical targets and the funding requirement as proposed is provided in the table below:

Table 47: Proposed Scheme wise Investment for RE - Works

Pump Work	2010-11		2011-12		2012-13	
	Physical	Rs Cr	Physical	Rs Cr	Physical	Rs Cr
11 kV Line (km)	550	15.40	550	16.50	480	15.83
Distribution Xmer						
New Xmer (Nos)	1200	26.52	1200	29.16	1100	29.37
Augmentation Xmer (Nos)	225	1.23	250	1.38	200	1.10
L.T.Line (km)	6850	143.85	6050	139.96	5500	139.70
Total		187.00		187.00		186.00

Table 48: Proposed Financing Plan of RE Works (Rs Cr)

RE Works Including Pump	Financing	2010-11	2011-12	2012-13
Capital Expenditure		187	187	187
Grant	17%	31	31	31
To be funded by CSPDCL		156	156	156
Debt	80%	125	125	125
Equity	20%	31	31	31

Commission's Views

- 5.26 CSPDCL in its submission has not mentioned the source of the 17% grant considered for financing the RE works. It is expected that this amount will be available from state government. The Commission noted that PFC has refused to give loan for providing electrical connection to agriculture pumps. In view of this, the Commission is of the view that the CSPDCL should approach the State Government for grant.

Table 49: Financing Plan of RE Works Considered by Commission (Rs Cr)

RE Works	Financing	2010-11	2011-12	2012-13	Control Period
Capital Expenditure		187.00	187.00	186.00	560.00

Atal Jyoti Yojna

- 5.27 Atal Jyoti Yojna is a feeder separation scheme, wherein separate 11 kV feeders are laid for diverting the existing agriculture pumps in new 11KV feeder so that the existing 11 kV feeder from the 33/11kV sub stations shall have light and fan load only. This is for managing the agriculture load during peak load hours. CSPDCL has submitted that a detailed feeder wise load study is done to determine the number

feeders to be separated based on the economics of each feeder. The year wise physical targets and the funding requirement proposed are provided in the table below:

Table 50: Proposed Scheme wise Investment under Atal Jyoti Yojna

Particular	2009-10		2010-11	
	Physical	Rs Cr	Physical	Rs Cr
11KV line on 140 Kg. 8mtr. long PCC pole with ACSR Rabbit conductor	4500	113.13	3042	88.05
3 Phase 4 wire LT line on 140 Kg. 8 mtr long PCC pole with ACSR Rabbit+ Squirrel conductor	1100	20.79	691	11.75
11/0.04 KV Sub- Station	800	16.08	537	10.20
11KV Addl. Bay with VCB	130	0.00	87	0.00
No. of village	440	0.00	289	0.00
No of Pump	17500	0.00	11410	0.00
Total Amount		150.00		110.00

Table 51: Proposed Financing Plan of Atal Jyoti Yojna (Rs Cr)

Atal Jyoti scheme	Financing	2009-10	2010-11	2011-12	2012-13
Capital Expenditure		150	110	0	0
Grant	0%	0	0	0	0
To be funded by CSPDCL		150	110	0	0
Debt	80%	120	88	0	0
Equity	20%	30	22	0	0

Commission's Views

- 5.28 The Commission approves in principle the schemes as proposed by CSPDCL under the Atal Jyoti Yojna and has considered the works to be funded through 80% debt and 20% equity and considered Rs 70 Cr for FY 2010-11 and Rs 40 Cr for FY 2011-12. However, the Commission shall conduct a prudence check and admit the cost of individual schemes/ works once the schemes are commissioned and capitalised. CSPDCL should approach the state government for funding the scheme as received during the first part of the scheme.

Table 52: Financing Plan of Atal Jyoti Yojna Considered by Commission (Rs Cr)

Atal Jyoti scheme	Financing	2010-11	2011-12	2012-13
Capital Expenditure		70.00	40.00	0.00
Grant	0%	0.00	0.00	0.00
To be funded by CSPDCL		70.00	40.00	0.00
Debt	80%	56.00	32.00	0.00
Equity	20%	14.00	8.00	0.00

Sub Transmission and Distribution Work

Annexure VII

Before the
MAHARASHTRA ELECTRICITY REGULATORY COMMISSION
World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai
400005 Tel. 022 22163964/65/69 Fax 22163976
Email: mercindia@merc.gov.in
Website: www.merc.gov.in

Case No. 228 of 2022

Case of Maharashtra State Electricity Company Limited (MSEDCL) seeking approval for change in the approved Load Shedding protocol of AG Load management scheme in five districts of Vidharbha viz. Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli.

Coram

Sanjay Kumar, Chairperson
I.M. Bohari, Member
Mukesh Khullar, Member

Maharashtra State Electricity Distribution Company Limited

: Petitioner

Appearance

For the Petitioner

: Shri. Dinesh Agarwal

ORDER

Date: 12 January, 2023

1. Maharashtra State Electricity Distribution Company Ltd (Petitioner) has filed this Case on 16 December, 2022 being Case No. 228 of 2022 seeking approval for change in the approved Load Shedding protocol of Agriculture (AG) Load management scheme in five districts of Vidharbha viz. Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli Districts. The Petitioner has filed this Petition under Section 94 of the Electricity Act, 2003.
2. Petitioner's prayers are as under:
 - 1) To admit the Petition as per the provisions of Regulation 94 of the MERC (Conduct of Business) Regulations, 2004;
 - 2) To conduct an early hearing on this matter;

MERC Order in Case No. 228 of 2022

Page 1 of 7

- 3) To allow MSEDCL to revise the Load Shedding Protocol to provide three phase power supply for 12 hours to Ag consumers fed from Ag Load management feeders of Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts for the period from 03.12.2022 to 31.01.2023;
- 4) To allow MSEDCL to implement the existing Load Shedding Protocol viz. 8 hours during day and 8 hours during night on rotation basis for AG LM Feeders in these districts in case of critical System condition;
- 5) To allow MSEDCL to bill and recover charges for the additional energy of extended hours of 3-phase power supply for agriculture through regular billing, done as per Para 2.1 and Para 2.2 mentioned as above, to the beneficiary agriculture consumers of five districts of Vidarbha viz. Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts.
- 6) To consider the submission made by the Petitioner and consider the same positively while deciding the Petition;
- 7) To condone any error/omission and to give opportunity to rectify the same
- 8) To Permit the Petitioner to make further submissions, addition and alteration to this Petition as may be necessary from time to time

3. Petitioners' submission is summarized as under:

- 3.1. The Commission vide its Order dated 9 May, 2011 in Case No. 81 of 2010 set the norms for power supply to Agricultural pumps as 8 hours per day only and ruled as below:

"Accordingly, the norms for power supply to Agricultural pumps shall remain 8 hours per day only. Whenever there is surplus power in the System, power supply up to 10 hours per day shall be given at night starting from 23.00 hours and 8 hours per day power supply shall be given during day time (excluding peak load hours) on rotational basis. In case of critical System condition, the power supply to Agricultural Pumps shall be restricted to 8 hours per day only."

- 3.2. Further, the Commission in its Order dated 26 November, 2012 in Case No. 41 of 2012 in the matter of Suo-moto hearing for revision and violation of Principles and Protocols of Load Shedding by MSEDCL, has directed MSEDCL to approach the Commission whenever there is need to change the approved Load Shedding Protocol and ruled that MSEDCL shall not issue any Circular in regard to change in Load Shedding Protocol without consultation with the Commission.

- 3.3. In view of the present power supply availability scenario, three-phase power supply availability of 8 hours during the day or 8 hours during the night on a rotational basis is

being given to single-phasing and separated Ag feeders from 06.10.2021.

- 3.4. Now, the Government of Maharashtra (GoM) vide letter dated 30 November, 2022 has directed MSEDCL to provide three phase power supply for 12 hrs/day during day time to the Ag consumers of five districts of Vidarbha viz. Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts for next two months to avoid incidences of villagers being attacked by wild animals while watering their standing crops during night hours and in view of requirement of extra water for growing Paddy crops.
- 3.5. In the same letter, the GoM has assured MSEDCL that additional financial burden against providing three phase power supply for the proposed arrangement will be reimbursed. Accordingly, MSEDCL worked out Rs.60.34 Crs as estimated additional burden for two months and requested GoM vide letter dated 6 December, 2022 for immediate payment.
- 3.6. The financial impact of such arrangement will not be passed on to the other consumers of MSEDCL.
- 3.7. In case of any critical system condition, if it so arises due to this modification in daytime power supply to Agriculture Load, MSEDCL shall alter power availability hours of the Agriculture Load Management Feeders of the concerned areas appropriately by considering the contemporary system conditions and thus, shall ensure the grid stability and protection of distribution system.
- 3.8. MSEDCL, therefore requested the Commission to allow the revision in the existing Load Shedding Protocol for providing 3-phase power availability of 12 hours to Agricultural consumers of Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts during day time for the period from 3 December, 2022 to 31 January, 2023. MSEDCL also requested for early hearing in the matter.
- 3.9. In case of metered agriculture consumers, the additional consumption during the extended hours of power supply will be recorded through their meters and will be billed at the respective MERC's approved Tariff. However, additional subsidy towards financial burden due to extra cost of power purchase due to costly power procurement from market/generators will be claimed from the GoM.
- 3.10. Whereas, in case of unmetered agriculture consumers, additional consumption for the extended hours of power supply will be covered in the billing by considering 12 hrs of 3-phase power supply and approved existing demand and wheeling tariff in Rs/HP/Month and shall be billed at the proportionately increased Tariff for 12 hrs of 3-phase power supply, as below. However, additional subsidy towards financial burden due to extra cost of power purchase due to costly power procurement from market/generators will be claimed from the GoM:

MSEDCL's Agriculture Tariff w.e.f. 1 April, 2022 to 31 March, 2023 As per MYT Order 322 of 2019 for FY 2020-21 to FY 2024-25 and GoM Subsidy for Agriculture) Consumer Category: LT IV (A) : LT - Agriculture Un-metered Tariff - Pumpssets (All Rs./HP/Month)								
For Category 2 Zones	Based on 8 Hrs 3-Ph Ag Supply per day			Proposed Based on 12 Hrs 3-Ph Ag Supply per day			Proposed for additional 4 hours supply	
	MERC Approved Demand Charges + Wheeling charges	Charges to be paid by Ag Consumers	Charges to be borne by GoM as a subsidy	Projected Demand Charges + Wheeling charges	Projected Charges to be paid by Ag Consumers	Projected Charges to be borne GoM as a Subsidy	Charges to be paid by Ag Consumers	Charges to be borne GoM as a subsidy
(a) 0-3 HP	412	230	182	618.00	345.00	273.00	115.00	91.00
(b) >3-5 HP	412	246	166	618.00	369.00	249.00	123.00	83.00
(c) >5-7.5 HP	439	266	173	658.50	399.00	259.50	133.00	86.50
(d) >7.5 HP	487	314	173	730.50	471.00	259.50	157.00	86.50

Note: The Energy Charges are Nil for the Un-metered Ag Consumers

4. At the e-hearing through video conferencing held on 27 December, 2022:

The Representative of the Petitioner reiterated its submissions made in the Petition and stated that as instructed by the GoM, MSEDCL has implemented such arrangement of providing 12 hrs of power supply during daytime to the 5 districts with effect from 3 December, 2022, therefore, requesting the Commission for post facto approval for the same. He further stated that MSEDCL is following up with the GoM for getting the payment towards the additional burden. In reply to query of the Commission, it is stated that collection efficiency of Agriculture consumers is less than 10%.

Commission's Analysis and Ruling

- In the present Petition, MSEDCL has sought a modification in the approved Load Shedding Protocol to enable it to supply power for 12 hours instead of 8 hours during the day time to Agricultural consumers on separated Agricultural Feeders of five districts of Eastern Vidharbha viz. Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli from 3 December, 2022 to 31 January, 2023. The Commission notes that before filing this Petition on 16 December, 2022, MSEDCL has already implemented GoM's directive of providing 12 hours day time supply these five districts from 3 December, 2022 considering the emergent need to avoid the incidences of villagers being attacked by wild animals while watering their standing crops during night hours and requirement of extra water for growing Paddy crops.
- The Commission further notes that, vide its letter dated 30 November, 2022, GoM has assured MSEDCL that it would provide the required subsidy to meet the financial impact of providing supply for additional hours to Agricultural consumers of the said five districts. Accordingly, vide its letter dated 6 December 2022, MSEDCL has requested the GoM regarding immediate payment of the tentative amount of additional burden of Rs. 60.34 crore. During the hearing,

MSEDCL stated that they are following up with the GoM for payment of such claimed amount.

7. Considering the objective and purpose cited by MSEDCL, and considering the fact that GoM has agreed to provide subsidy for compensating financial impact of increased hours of power supply thereby insulating other consumers from adverse impact of increased expenses, the Commission accords approval for the deviation from the approved Load Shedding Protocol for providing 12 hours day time supply to Agricultural consumers of Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts for the period from 3 December, 2022 to 31 January, 2023. This is subject to financial impact of such deviation in Load Shedding Protocol is not being passed on to other consumers. However, in case of critical system condition, MSEDCL is allowed to implement the existing Load Shedding Protocol viz. 8 hours during day and 10 hours during night on rotation basis for AGLM Feeders in these districts.
8. Having ruled as above, the Commission notes that this is not the first case in which similar relaxation was granted on assurance of the GoM to provide subsidy for compensating increased expenses on account of increased hours of power supply to agriculture consumers. MSEDCL in its letter dated 6 December 2022 (annexed to the present Petition) addressed to the Principal Secretary (Energy), GoM has highlighted certain incidences of providing higher hours of power supply to Agriculture consumers and status of claim submitted to the GoM which is summarised as below:

Sr. No	Period	Area	Financial Impact (Rs. Cr)	Whether paid by the GoM
1	10.08.2018 to 15.12.2018	Nagpur, Bhandara, Gondiya, Gadchiroli, Chandrapur and Wardha Districts	43.80	No
2	2.11.2018 to 30.11.2018 and 6.12.2018 to 20.12.2018	Chandrapur and Gadchiroli Districts, and Pandharkawada & Ralegaon subdivision in Yavatmal District	2.25	No
3	December 2020 to 31 May 2021	Kurkheda taluka in Gadchiroli District	2.45	No
Total			48.50	No

Thus, MSEDCL is yet to get compensation from the GoM for increased hours of power supplied to agriculture consumers almost 4 years before. Such delay in providing subsidy is against the principle of Section 65 of the Electricity Act, 2003 which requires the Government to pay subsidy in advance to the Distribution Licensee. Further as mentioned during the hearing, collection efficiency of Agriculture category is less than 10%. Therefore, while MSEDCL is incurring additional expenses for providing increased hours of power supply, delay in receipt of subsidy from the GoM and non-recovery of billed amount from Agriculture consumers is adversely affecting its cashflow. Such revenue shortfall is creating additional burden on working capital requirement of MSEDCL besides creating liability towards delayed payment charges due to delayed payment to generators which has to be borne by

MSEDCL as same cannot be passed on to the consumers. Although the Regulations ensures insulating the consumers from such increased expenses on account of MSEDCL's cash flow

issues (particularly DPC), a small portion of interest on working capital is being passed on to consumers in terms of sharing of efficiency loss.

9. The Commission notes that considering estimated impact of Rs. 60.34 Crore in present Petition and past liability of Rs. 48.50 crore, total Rs. 108.84 crore is yet to be received from the GoM. As per Section 65 of the Electricity Act, 2003 (which is although applicable to tariff subsidy, is also applicable to present matter which impacts ARR & hence tariff of MSEDCL), direction of the Government is implementable only if subsidy is received in advance. However, MSEDCL in the past and also in the present matter has implemented GoM's decision without getting any advance subsidy or provisioning in the budget. This is not only against the mandate of the Act but is also further deteriorating already precarious financial situation of MSEDCL. The partial impact through sharing of losses will also impact the consumers due to the additional requirement of working capital. Therefore, the Commission rules that MSEDCL shall pursue with the Government for getting the total subsidy of Rs. 108.84 Crore within 2 months from the date of the Order. In case the amount is not received within this period, then the Commission will deduct Rs. 10.67 Cr [computed as interest on working capital of Rs. 108.84 crore which have to be arranged due to delay from the GoM] from MSEDCL's actual interest on working capital for FY 2022-23 before sharing of efficiency loss with consumers. To avoid such disallowance, MSEDCL shall follow up with the GoM and ensure that all dues amount [around Rs. 108.84 crore] is released within two months from date of this Order.
10. The Commission further notes that MSEDCL in present Petition has also proposed to levy the additional proportionate Tariff to the un-metered AG consumers of these 5 districts considering the 12 hours of power supply during daytime. In the past, MSEDCL has never prayed for a such proportionate increase in Tariff while seeking approval of the Commission for similar proposals. In this regard, the Commission observes that such proposal for incremental Tariff for the set of consumers cannot be decided without giving opportunity of being heard to such affected consumers through public consultation process. Hence, the Commission cannot allow such relief sought by MSEDCL. Consequently, MSEDCL has to levy only approved tariff to unmetered agriculture consumers in these districts and claim incremental cost for providing 12 hours power supply from the GoM as subsidy.
11. Considering above observations, in future, MSEDCL shall approach the Commission in advance for implementing such directions so that all pros and cons of such proposal can be considered appropriately. Also, instead of limiting such proposal for providing increased availability of power to agriculture consumers in specific area on ad hoc manner, such proposal needs to be based on parameter which is equitably applicable across the license area of MSEDCL. Needless to say the proposal for prior approval shall be submitted only after receiving the subsidy amount in advance or atleast after the provisioning of the same in the budget/supplementary demand.
12. Hence the following Order:

35

ORDER

1. The Case No. 228 of 2022 is partly allowed.
2. Considering the objective and purpose cited by MSEDCL, the Commission accords approval for the deviation from the approved Load Shedding Protocol to Agricultural consumers of Nagpur, Chandrapur, Bhandara, Gondia and Gadchiroli districts for the period from 3 December, 2022 to 31 January, 2023 subject to condition that financial impact of the deviation in Load Shedding Protocol shall not be passed on to consumers. In case of critical system condition, MSEDCL is allowed to implement the existing Load Shedding Protocol viz. 8 hours during day and 10 hours during night on rotation basis for AGLM Feeders in these districts.
3. MSEDCL needs to follow up with the GoM for receipt of the additional subsidy including the arrears against previous arrangement as directed in para 8 & 9 above.

Sd/-
(Mukesh Khullar)
Member

Sd/-
(I.M. Bohari)
Member

Sd/-
(Sanjay Kumar)
Chairperson

(Abhijit Deshpande)
Secretary



Bhopal, the 15th July 2021

No 984/MPERC/2021 - In exercise of the powers conferred under Section 181(1) and 181(2) (za & zb) read with Section 57, 59 and 86 (1) (i) of the Electricity Act 2003 (36 of 2003), and the Electricity (Rights of Consumers) Rules, 2020, the Madhya Pradesh Electricity Regulatory Commission hereby makes the following amendment in MPERC (Distribution Performance Standards) (Revision -II) Regulations, 2012 (No. RG-08 (II) of 2012) notified on 12th November 2012 in M.P. Gazette.

FIRST AMENDMENT TO MADHYA PRADESH ELECTRICITY REGULATORY COMMISSION (DISTRIBUTION PERFORMANCE STANDARDS (REVISION -II) REGULATIONS, 2012 (ARG-8(II)(i) of 2021)

1. Short title and Commencement: 1.1 These Regulations may be called the Madhya Pradesh Electricity Regulatory Commission (Distribution Performance Standards) (Revision-II) (First Amendment) Regulations, 2012 {ARG-8(II)(i) of 2021}.

1.2 These Regulations shall come into force from the date of their publication in the M.P. Gazette.

1.3 These Regulations shall extend to the entire State of Madhya Pradesh..

2. Addendum to Chapter VII:

In the Principal Regulations, after Regulation 7.3, following Regulations shall be added namely :-

7.4: The Distribution Licensee shall provide following parameters to the Commission to maintain reliability of supply namely:-

(a) Total duration and frequency of outages per consumer in a year -

- i. System average interruption duration index (SAIDI);
- ii. System average interruption frequency index (SAIFI);

(b) The minimum outage time (in minutes) that the distribution licensee shall consider for the calculation of SAIDI or SAIFI, as the case may be, shall be separately specified by an order of the Commission.

7.5 : The distribution licensee shall supply 24x7 power to all consumers except agriculture consumers feeding through separate agriculture feeders. The

Distribution licensee shall supply power to such agriculture consumers for minimum 10 hours in a day .

7.6 : The distribution licensee shall put in place a mechanism, preferably with automated tools to the extent possible, for monitoring and restoring outages within 6 months from the date of notification of the Electricity (Rights of Consumers) Rules 2020 notified by the Govt of India

3. Addendum to Chapter VIII:

i) In the Principal Regulations, after Regulation 8.1, following shall be added namely:

8.1 A: Consumer shall be automatically compensated for those parameters which can be monitored remotely when it can be successfully established that there is a default in performance of the distribution licensee.

8.1 B: The distribution licensee shall design and maintain its distribution system in such a way that there is a gradual increase in the list of parameters, which can be monitored remotely and for which automatic compensation can be made to the consumer.

8.1 C: The distribution licensee shall establish a mechanism, for automatic payment of compensation amount determined under the provisions of sub-section (2) of section 57 of the Act within six months from the notification of the Electricity (Rights of Consumers) Rules 2020 notified by the Govt of India.

ii) In the Principal Regulations, after Regulation 8.2, following shall be added namely

8.2 A: The distribution licensee, within six months from the date of notification of this regulation by the Commission shall create an online facility on which consumers may register and claim the compensation amount. The information in this regard shall be widely circulated among consumers through appropriate means including mass media, bills, SMS, e-mails or by uploading on licensee's website

8.2 B In all cases of compensation, the payment of compensation shall be made by adjustment against current or future bills for supply of electricity, within 15 days from the determination of claim.

4. Addendum to Chapter IX: In the Principal Regulations, after Regulation 9.10, following shall be added, namely,

9.11 For providing common services like new connection, disconnection, reconnection, shifting of connection, change in name and particulars, load change, replacement of

meter, no supply, the distribution licensee shall establish a centralised 24x7 toll-free call centre. The existing Distribution Licensee shall operationalise such centres within three months of notification of these Regulations. A new Distribution Licensee shall establish and operationalise such centres within three months from commencing licensee work.

9.12 While other modes to provide services like paper application, email, mobile, website, etc., may continue, the licensees shall endeavour to provide all services through a common Customer Relation Manager (CRM) System to get a unified view of all the services requested, attended and pending, at the backend for better monitoring and analytics.

9.13 The CRM shall have facilities for sms, email alerts, notifications to consumers and officers for events like receipt of application, completion of service, change in status of application, etc; online status tracking and auto escalation to higher level, if services are not provided within the specified time period.

5. In the Principal Regulations, in Appendix A, following shall be substituted: -

Service Area	Guaranteed Standards	Compensation payable to affected consumers
i) Responding to Normal Fuse -off Call and rectifications		
Urban areas	Within 4 hours in all working days and Within 5 hours in all non-working days	Rs 100 for each day (or part thereof) of delay in rectification of complaint.
Rural areas	Within 24 hours	
ii) Restoration of supply on account of Line Breakdown (not including breaking /uprooting of poles)		
Urban areas	Within 12 daylights - hours	Rs 100 for each day (or part thereof) of delay in restoration of supply.
Rural areas	Within 3 days	
iii) Distribution Transformer failure		
Replacement of transformer or restoration of supply in Commissionary head quarter	Within 12 hours	Rs 100 each to all the consumers served through the particular transformer.
Replacement of transformer or restoration of supply in urban areas other than Commissionary head quarter	Within 24 hours	
Replacement of transformer or restoration of supply in rural areas	Within 72 hours during dry weather and Within seven days during monsoon season (July to September)	
iv) Period of scheduled outages (not exceeding four times a year)		

Service Area	Guaranteed Standards	Compensation payable to affected consumers
Maximum duration in a single stretch	Not to exceed 12 hours	Rs 100 for each day (or part thereof) of delay
v) Meter Complaints		
Inspect and check correctness	Within 7 days	Rs 100 per week (or part thereof) of delay
Replace slow, creeping or stuck up meters	Within 24 hours in urban areas and 72 hours in rural areas	
Replace burnt meters if cause not attributed to consumer		
Replace burnt meters in all other cases		
vi) Application for new connection/enhancement of contract demand/reduction in contract demand		
Deviation from target in case of LT	As notified under the Electricity Supply Code as applicable	Rs 100 per day (or part thereof) of delay
Deviation from target in case of HT and EHT	As notified under the Electricity Supply Code as applicable	Rs 200 per day (or part thereof) of delay
vii) Conversion of service		
Change of category	Within 15 days after completion of formalities	Rs 100 per day (or part thereof) of delay
Conversion from LT 1-ph to LT 3-ph and vice-versa	Within 15 days from the date of payment of charges and submission of report and within 90 days if extension of line is required	
Time taken for change in consumer details;	10 days from the date of application	Rs. 100 per day (or part thereof) of delay
viii) Resolution of complaints on consumer's bills		
If no additional information is required	Same day of its receipt (except for HT consumers)	Rs 100 per day (or part thereof) of delay
If additional information is required to be collected	Within 5 days in case of urban areas and 10 days in case of rural areas	
(ix) time period within which bills are to be served;	Before 15 days of due date	Rs. 100 per day (or part thereof) of delay
x) Reconnection of supply following disconnection		

Service Area	Guaranteed Standards	Compensation payable to affected consumers
Towns and cities	Within 4 hours of receipt of due payment from consumer	Rs 100 per day (or part thereof) of delay
Rural areas	Within 6 hours of receipt of due payment from consumer	
xi) Release of Temporary connection		
LT, HT and EHT consumers	As notified under Electricity Supply Code, as applicable	Rs 100 per day (or part thereof) of delay
xii) Meter Complaints		
Inspect and check correctness	Within 7 days	Rs. 100 per week (or part thereof) of delay
Replace slow , creeping or stuck up meters	Within 24 hours in Urban areas & 72 hours in Rural areas	
Replace burnt meters if cause not attributable to consumer		
Replace burnt meters in all other cases		
xiii) Issuance of No dues certificates		
Issuance of no dues certificates on receiving final payment in case of vacation of premises or permanent disconnections	As specified in the Supply Code, as applicable	Rs. 100 per week (or part thereof) of delay

Annexure IX

CSPDCL RAIPUR

DETAILED PROJECT REPORT
OF
ATAL JYOTI YOJNA
PACKAGE-1

TABLE OF CONTENTS

1.	INTRODUCTION TO CSPDCL	
1.1	OPERATION PROFILE	1
1.2	CONSUMER PROFILE	2
2.	PROJECT CONSIDERED FOR FINANCING	
2.1	PROJECTS IN BRIEF	3
2.2	SUMMARY PROJECT COSTS	4
2.3	SOURCE OF FINANCE	5
3.	ATAL JYOTI YOJNA	
3.1	OBJECTIVES	5 ✓
3.2	AS-IS SITUATION	6
3.3	IDENTIFICATION OF PROJECT AREA AND SCOPE OF WORK	6
4.	FINANCIAL ANALYSIS OF PROJECT	7 ✓
5.	IMPLEMENTATION SCHEDULE	
5.1	IMPLEMENTATION RESPONSIBILITIES	7
5.2	CONTRACT PACKAGING	8

1. INTRODUCTION TO CSPDCL

The Government of Chhattisgarh incorporated Chhattisgarh State Power Distribution Company Limited (CSPDCL) on 1st January 2009. CSPDCL is a wholly-owned Company of Government of Chhattisgarh and registered under the Companies Act, 1956, with the Notification dated 19.12.08. The Company started functioning with effect from 1st January 2009. As per notification the company is undertaking the business of distribution and retail supply of electricity in the State.

1.1 OPERATIONAL PROFILE

CSPDCL is responsible for operating the distribution assets within State. Its network consists of around 1,73,923 kms of lines at voltages ranging from LT to 33kV, and includes 631 substations (33/11 KV S/S). Distribution network details are as under:-

(As on 31.3.2009)

Particulars	Unit	Quantity
33 KV Substations	Nos.	631
Numbers	MVA	3231
Total Transformation Capacity		
Total length of 33 KV Lines	KM	13663
Total length of 11 KV Lines	KM	59386
Distribution Transformers	Nos.	59628
Numbers	MVA	4768
Total Transformation Capacity		
Total length of LT lines	KM.	100599
No. of consumers (LT)	Nos.	2920339
(HT)	Nos.	1222

1.2 CONSUMER PROFILE

The company currently serves about 29.202 Lakhs customers over an area of 1, 28,631 sq. Km, which comprises 29.19 lakhs (99.95%) LT consumers and 0.012 lakhs (0.05%) HT consumers. Around 84.8% of consumers are domestic including BPL category spread between urban and rural areas, who consumes only 18.07% of the total energy. Around 6.34% of consumers are Non Domestic and consumes 3.21% of total energy. Around 6.2% of consumers are Agricultural and consumes 7.9% of total energy. 0.05% of consumers are at EHT/HT and consumes up to 65% of the total energy. Category wise break-up of sales and demand is given below for FY 08-09¹.

	Category	Consumers	Units Sold (MU)	Revenue Demand (Rs. Crs)	Average Revenue per Unit sold
LV -1	Domestic	2505665	1774	370.50	2.08
LV -2	Non-Domestic	185175	315	172.28	5.47
LV- 3	Agricultural	182187	1562	55.49	0.35
LV- 4	Agricultural Allied Activities	508	5	5	1.00
LV- 5	LT Industries	23285	324	161.38	4.98
LV-6	Public Utilities	8917	102	25.33	2.48
	TC	13336	72	34.55	4.79
	Total (LT)	2919073	4155	824.53	1.98
EHV-1	Railway Traction	21	583	263.59	4.52
EHV-2	Heavy Industries	3	1545	186.515	1.20
EHV-3	Steel Industries	13	150	89.409	5.58
EHV-4	Other EHV consumers	7	429	158.913	3.70
	Total (EHV)	44	2717	698.427	2.52
HV -1	Steel Industries	285	1873	624.11	3.33
HV -2	Mines and Cement Industries	29	172	105.74	6.14
HV -3	Other Industries	439	368	200.73	5.45
HV -4	Low load factor Industries	137	70	41.71	5.95
HV- 5	Residential Purpose	37	201	92.632	4.608
HV -6	General purpose non-industrial	252	213	162.081	7.61
HV-7	Public water works & Irrigation	30	34	10.87	3.19
HV-8	Start-up Power	13	9.4	24.13	3.89
HV-9	HT Agriculture Allied Activities	-	-	-	-
	Total (HT)	1222	2940.4	1262.003	4.29
	TOTAL LT+EHV+HT	2920339	9812.4	2784.96	2.838

¹ As per R-15 Report and HT Billing Data

2. PROJECT CONSIDERED FOR FINANCING

2.1 PROJECT IN BRIEF

The basic aim of this project is to have separate 11KV feeders for agriculture pumps so as to have separate supply for the rural house holds and manage the demand side load. By this arrangement the rural house holds will get continuous supply and supply can be restricted to agriculture pumps during peak load hours as well as at the time of natural calamities like draught. For maintaining continuous supply in inhabited area of village State Government has sponsored a scheme for laying separate line for agriculture pumps. By separating out irrigation load, rural people will also get facilities like urban areas and their living standard will improve due to quality supply of electricity and ultimately financial status of the entire state will improve. By implementation of Atal Jyoti Yojna the quality and capacity of distribution system will also improve and small scale industries in rural sector will get uninterrupted supply round the clock as well as ensure that irrigation pumps gets supply at proper voltage during the fixed period in day.

The work under this scheme has been divided into two phases. In the first phase work of separation of 30295 Nos. pumps of 130 feeders in 729 villages at a cost Rs. 7867.00 lacs has been completed.

In the package-1 of second phase work of separation of 5994 pumps of 62 feeders in 598 villages at cost of Rs. 5319.54 lacs is under progress. The work and the package wise turnkey award has already been issued to M/s ATSL.

Further the proposed DPR for Atal Jyoti Yojna package-1 is prepared based on the present 11 KV network in scheme areas and requirement of the field units therefore there may be a slight variation in No of 11 KV lines in the packages but the overall work being executed, are approximately same as approved in the packages. As per the clause No.8 of section SCC, Vol-I of the Tender Documents the variation in quantity shall be permitted up to fifty percent for the individual items.

Earlier, the State Govt. has provided Rs. 125 crores for implementation of Atal Jyoti-I scheme but now onwards expenditure has to be met out from company's own resources or from other resources. Therefore this report aims to provide detailed information relating to the projects for which funding is being sought by the CSPDCL from the Financial institution.

Subsequent sections of the document discuss the following issues related to the project:

- Brief introduction of the project, including objectives of the project and areas to be covered under the project.
- Summary of project costs
- Cost benefit analysis of the project, including
 - Expected benefits from the project
- The implementation plan of the project, including
 - Overall project implementation schedule and
 - Contract Packaging planned for the project

2.2 SUMMARY PROJECT COSTS

The project cost has been calculated as per the complete turn key award issued on package basis. The detailed costing of the package-1 is provided in Annexure I and the table below provides a summary of the cost of the project. It may be noted that the present project cost does not include financing charges such as Upfront Fees or Commitment Charges, but they may be estimated and incorporated if required.

S.No	Particulars	Qty.	Amount (Rs in Lakhs)
1	11KV Line with rabbit Conductor	1465 KM	2084.82
2	11KV Line DP	1318 Nos	237.04
2	LT line 3 phase 4 wire	511 KM	890.85
3	100 KVA Transformer	103 Nos	205.97
4	63 KVA Transformer	676 Nos	1012.02
5	11 KV Bay	52 Nos	355.79
	Total cost of material		4786.49
	Erection cost		585.42
	TOTAL		5371.91
	As per the Tender clause the total variations in all items under the Contract shall be limited to a 20% of the Contract price as specified in clause 8.0 of section SCC, Vol-I.		1074.38
	GRAND TOTAL		6446.29

2.3 SOURCE OF FINANCE

The financing for this project is expected to come from financial Institutions

The schedule of total financing requirement (for Base Capital expenditure plus Physical Contingency) is as follows:

S. No	Project Name	Project Cost	Year wise fund requirement (In Rs Crores)		
			FY 09-10	FY 10-11	Total
1	Atal Jyoti Yojna	64.46 crores	38.676	25.784	64.46
	TOTAL		38.676	25.784	64.46

3 ATAL JYOTI YOJNA

3.1 Objectives

It is expected that the rollout of this scheme is expected to lead to the following outcomes:

- For smoothing the load curve i.e. Demand side Management
- Restrict the supply in case unforeseen conditions like draught etc.
- Development of industries in the rural sector
- Uninterrupted supply to inhabited village areas
- Improvement in the standard of life of the villagers
- Load management during peak load hours ✓

3.2 As-is Situation

At present rural feeders having a mixed load of Agriculture, Domestic and commercial connections. The tariff applicable for Agricultural connections is HP based fixed tariff or metered. Other categories of connections have metered tariff. At the time of constraints in generation rural areas are disconnected from supply side and there is no supply in entire rural area.

As a result, a number of problems are being faced in the agricultural power supply.

- i) Agricultural connections are scattered over a large area
- ii) The usage of Phase Converters is rampant during the single phase power supply

- iii) Villages do not get supply round the clock for Domestic connections
- iv) There is imbalanced loading on the transformers

3.3 Identification of Project area and Scope of Work

This project covers the O&M divisions Dhamtari, Raipur and N-Rajim area under the jurisdiction of CSPDCL. At present supply in rural parts is common for agricultural, domestic, commercial and Industrial purpose. Due to the inherent difficulties related to controlling supply to agricultural users, the supply to rural parts is frequently shut down. This has caused a poor quality of life for rural domestic and other users. To improve the supply for these users, which is essential to providing better health and education facilities and to alleviate these problems, it is proposed that the agricultural load be segregated from the existing rural feeders. Parallel feeders are planned to be used to provide reliable supply to the domestic and other consumers, thereby reducing the difficulties faced by these consumers. The scope of work is given as under:-

- Erection of parallel 11KV feeders - 52 Nos
- 11 KV line with rabbit conductor - 1465 KMs
- 3 phase 4 wire LT line - 511 KMs
- Distribution Transformers
 - i) 63 KVA - 676 Nos
 - ii) 100KVA - 103 Nos

4 FINANCIAL ANALYSIS OF PROJECT

The project cost has been calculated as per the complete turn key award issued on package basis. The details of package-1 Financial analysis of the project i.e. Computation of Net Benefit of the scheme, Economic Rate of Return, assessment of load, cost saving of the scheme have been calculated and provided in Annexure II to VII.

The benefits have been estimated using the results of the already executed Atal Jyoti Schemes in the state. The results of this schemes were encouraging and it was found that there was a reduction in number of units input (saving in input) as well as increase in the billed units (increase in sales).

The benefits in financial terms can therefore be estimated by using the realization per unit and the cost per unit respectively. The pay back periods comes around SIX years.

5. IMPLEMENTATION SCHEDULE

The implementation schedule for the project is summarized below:

Project	Unit	2009-10	2010-11
11KV Line	KM	879	585
11KV Line DP	NO	791	527
3 phase 4 wire LT line	KM	306.6	204.4
100 KVA Transformer	NO	62	41
63 KVA Transformer	NO	406	270

5.1 IMPLEMENTATION RESPONSIBILITIES

An implementation plan has been shown above. In preparing the implementation plan the duration normally required for procurement of major materials and erection/installation/ commissioning of equipments etc. have been considered.

The construction works are being executed by the Superintending Engineers/ Executive Engineers of concerned ST;RE(Construction) Circle/Division with the requisite manpower / vehicles etc. and they are responsible for construction works.

5.2. CONTRACT PACKAGING

The execution of works is being carried out by awarding contracts on fully turn key basis i.e all the material will be procured by the contractor along with execution of work. The detail of package wise order issued to the qualified Contractors is also attached along with the copy of order.

ANNEXURE-I

Details of package wise cost based on the Tender evaluation

		Package-1
11 KV line	Qty	1465
	Supply Unit	142300.68
	Total-1	208482210.2
	Erection	17512.93
	Total-2	25656442.45
	Total(S+E)	159821.61
	Grand Total	234138658.7
11 KV DP	Qty	1318
	Supply Unit	17984.88
	Total-1	23704071.84
	Erection	7207.95
	Total-2	9500078.1
	Total(S+E)	25192.83
	Grand Total	33204149.94
63 Xmer	Qty	676
	Supply Unit	149708.06
	Total-1	101202648.6
	Erection	10622.14
	Total-2	7180566.64
	Total(S+E)	160330.2
	Grand Total	108383215.2
100 Xmer	Qty	103
	Supply Unit	199966.55
	Total-1	20596554.65
	Erection	11207.15
	Total-2	1154336.45
	Total(S+E)	211173.7
	Grand Total	21750891.1
LT line	Qty	511
	Supply Unit	174335.38
	Total-1	89085379.18
	Erection	22958.38
	Total-2	11731732.18
	Total(S+E)	197293.76
	Grand Total	100817111.4
Addl Bay	Qty	52
	Supply Unit	684202.15
	Total-1	35578511.8
	Erection	63827.95
	Total-2	3319053.4
	Total(S+E)	748030.1
	Grand Total	38897565.2
Supply Unit		478649382.2
Erection		58542209.22
Grand Total		537191591.5
20% variations in contract price		107438318.3
TOTAL COST OF THE SCHEME		644629909.7

Chhattisgarh state power Distribution Company

ATAL JYOTI YOJNA Package-1

ANNEXURE-II

Sl No	Name of 33/11 KV SS	Name of Division	Name of DIC	Existing 11 KV Line										Proposed 11 KV Line under Atal Jyoti scheme										Energy saving due to Load Management KWH
				Type of Conductor or (Sq mm)	Length of 11 KV line in KM	Connects in KV	Unit Send out in KWH	Max Load in Amp	Energy loss in Existing Fdr in LU	Type of Conductor (Sqmm)	Proposed Length of 11 KV Bay with regular in KM	11 KV Bay with regular in KM	Connected Load in KVA (pumps)		Max load in Amp	Energy loss in Proposed Fdr in LU	Energy loss in Existing Fdr in LU	Energy saving in LU						
													No. of poles	Load in KVA										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1		Chhasi	Chhatl	Baliyara	Wessel	44.6	1811	7684272	65	3.94	Rabbit	50.0	1	15.0	223	850	20.81	0.41	2.41	1.12	802601			
2				Jhiritva	Wessel	39.2	1751	7603855	80	6.17	Rabbit	50.0	1	17.0	278	1410	32.02	0.44	4.19	1.55	1249522			
3				Sarangpur	Wessel	19.1	754	2206954	40	0.34	Rabbit	50.0	1	24.0	121	451	29.03	0.05	0.13	0.18	1050024			
4				Kharanga	Wessel	26.1	1767	7694249	60	4.74	Rabbit	50.0	1	24.0	121	451	29.03	0.05	0.13	0.18	1050024			
5		Dhamtari O&M	Gokulpur	Amud	Wessel	34.7	1550	6321654	70	5.00	Rabbit	50.0	1	15.0	223	850	20.81	0.41	2.41	1.12	802601			
6				Bhoyana	Wessel	28.4	1432	6093806	80	2.54	Rabbit	50.0	1	15.0	223	850	20.81	0.41	2.41	1.12	802601			
7				Kukrel	Wessel	49.3	1245	1755277	80	0.03	Rabbit	50.0	1	8.0	283	383	50.00	3.59	0.31	1.54	1947114			
8				Borsi	Wessel	29.3	1587	3623224	60	0.71	Rabbit	50.0	1	40.0	99	383	50.00	3.59	0.31	1.54	1947114			
9		Rudra(T)	Gekulpur	Kanidabari	Wessel	24.6	1632	7291123	110	2.78	Rabbit	50.0	1	10.0	290	1082	45.83	3.12	0.04	3.55	1779537			
10				Achlotia	Wessel	23.5	854	3815330	50	0.67	Rabbit	50.0	1	13.0	308	1141	93.00	3.75	3.35	1.70	3115383			
11				Rudri (T)	Wessel	29.6	530	1027548	52	0.05	Rabbit	50.0	1	8.0	143	533	30.00	3.21	0.35	3.10	1186269			
12				Mandir Hasoud	Wessel	13.6	1260	106000	110	0.04	Rabbit	50.0	1	13.0	72	259	40.00	3.01	0.22	3.01	1551882			
13		Jora	Mana	Pirda	Wessel	13.3	1204	1586672	40	0.06	Rabbit	50.0	1	4.0	22	142	25.00	0.02	0.01	0.03	1080034			
14				Mana	Wessel	3.0	1438	116640	105	0.00	Rabbit	50.0	1	2.7	24	90	55.00	3.00	0.01	0.00	2141826			
15				Riva	Wessel	97.1	2533	3979240	175	2.25	Rabbit	50.0	1	29.0	147	543	164.00	0.92	0.48	1.25	9626665			
16				Mandir Hasoud	Wessel	20.00	1381	3006144	93	0.31	Rabbit	50.0	1	3.3	9	34	5.11	0.00	0.00	0.00	198735			
17		Raipur O&M	Mandir Hasoud	Rakhi	Wessel	46.30	5238	2547000	70	0.07	Rabbit	50.0	1	1.0	75	281	32.00	0.01	0.00	0.00	1248153			
18				Dharanpura	Wessel	7.5	1117	2466360	58	0.09	Rabbit	50.0	1	8.5	87	325	29.00	0.03	0.03	0.03	1129326			
19				Mana Camp	Wessel	12.6	5555	8292240	160	1.39	Rabbit	50.0	1	4.0	89	329	11.00	0.00	1.23	0.11	425365			
20				Nimora	Wessel	43.5	4779	10537920	230	4.25	Rabbit	50.0	1	14.0	35	131	48.00	0.13	2.93	1.14	1791345			
21		Saraogaon	Saraogaon	Chandkhuri	Wessel	21.0	2382	283399	100	0.02	Rabbit	50.0	1	7.5	172	542	82.00	0.00	0.01	0.01	2036337			
22				Silivari	Wessel	19.0	1541	6307039	75	0.73	Rabbit	50.0	1	5.8	203	757	43.00	2.13	0.22	0.38	1874518			
23				Dondekula	Wessel	23.0	4973	1751027	240	9.75	Rabbit	50.0	1	7.5	153	520	85.00	0.33	4.38	2.99	2331243			
24				Adsera	Wessel	26.0	1480	1667798	70	0.16	Rabbit	50.0	1	7.5	133	456	45.00	0.04	0.05	0.05	1752403			

ANNEXURE-II

ANNEXTURE-II														
Nara	Rajpur OSM	Mandir Hasoud	Tckari	Weasel	26.3	1604	274500	70	0.03	Rabbit	22.2	1	13.0	45
25														
26				Weasel	28.5	1956	120300	80	0.01	Rabbit	17.2	1	5.0	24
27	Amasconi	Amasconi	Kachana	Weasel	12.0	1078	5150100	28	0.31	Rabbit	10.5	1	4.0	77
28			Sukari	Weasel	40.0	3676	5209744	65	1.66	Rabbit	38.5	1	8.0	51
29		Rajim	Kopra	Weasel	32.5	2183	1554510	68	0.30	Rabbit	35.0	1	5.0	48
30		Kopara	Kopra	Weasel	9.5	1103	2167060	45	0.09	Rabbit	11.2	1	7.0	120
31		Gariyaband (T)	Panduka	Weasel	18.6	1783	1999200	50	0.17	Rabbit	20.9	1	5.5	227
32			Ashra	Weasel	51.1	2890	8468000	110	1.62	Rabbit	80.5	1	12.0	370
33	Gariyaband	Gariaband (R)	Joba	Weasel	93.1	2400	6424320	60	6.47	Rabbit	52.7	1	20.2	141
34			Town	Weasel	8.6	3214	3245580	90	0.21	Rabbit	8.3	1	6.0	30
35	Mainpur	Gariaband (R)	Mainpur	Weasel	32.7	2300	2451255	45	0.31	Rabbit	13.1	1	7.5	36
36			Bhatigarth	Weasel	24.8	1055	2567200	55	0.28	Rabbit	22.8	1	7.0	69
37	Indat abn	Chihura	Akalwara	Weasel	40.3	2125	2436150	100	0.21	Rabbit	44.7	1	13.4	196
38			Urmal	Weasel	45.6	1093	2282810	45	0.32	Rabbit	31.7	1	5.0	13
39	Amalipradar	Deobhog	Gobara padar	Weasel	55.9	1459	1646600	50	0.27	Rabbit	45.9	1	4.0	14
40			Kandesara	Weasel	50.2	1281	1150384	30	0.07	Rabbit	19.3	1	1.5	6
41			Gisul	Weasel	62.7	1255	863900	45	0.10	Rabbit	36.0	1	5.0	7
42	Deobhog	Deobhog	Bandhiyamal	Weasel	58.2	1255	392000	40	0.04	Rabbit	33.6	1	1.0	15
43	Ashapur	Abhanpur	Mana	Weasel	29.3	1757	5585760	110	0.86	Rabbit	17.9	1	32.0	44
44		Rajim	Town-2	Weasel	21.2	5367	5130000	160	1.78	Rabbit	21.5	1	4.0	271
45	Paragaon	N-Rajim	Champaran	Weasel	12.2	1278	227550	60	0.26	Rabbit	13.8	1	3.8	165
46			Paragaon (T)	Weasel	10.4	752	240660	20	0.01	Rabbit	11.9	1	1.5	125
47	Fingeshwar	Fingeshwar	Town	Weasel	31.9	3164	560000	95	0.10	Rabbit	37.3	1	15.0	433
48			Rural	Weasel	24.9	2124	2769000	90	0.17	Rabbit	27.0	1	10.0	247
49	Ba-in	Fingeshwar	Kirwai	Weasel	5.5	492	614730	25	0.01	Rabbit	1.0	1	4.0	14
50			Bhatera	Weasel	10.3	1920	2803350	45	0.37	Rabbit	13.2	1	10.0	159
51	Kondkera	Fingeshwar	Kondkera	Weasel	8.2	689	1237740	36	0.02	Rabbit	9.5	1	2.0	89
52			Semradih	Weasel	25.0	1581	5779560	85	1.17	Rabbit	27.0	1	5.0	154
102474														
64														
1465														
52														
511														
7454														
27803														
2045														
11														
32														
0.75														
0.12														
31														
73513844														

ANNEXURE-III

Benefit Status

Chhattisgarh state power Distribution Comp

Name of Utility

Benefit due to Load relief in terms of sale of energy		Package-1
(a)	Energy Saving due to Load Management	79519844
(b)	Annual Energy Saved in transformation loss due to Load Management	919114
(c)	Annual Energy saved Due to Separation of feeders	2120370
(d)	Cost of supply- Agriculture tariff	2.04
(e)	Benefit due to additional sale of unit (a+b+c)*d	1685.25

ATAL JYOTI YOJNA

ANNEXTURE-IV

Calculation of Benefits due to scheme

Package-1

1	Bnefit due to additional sale of energy	1686.25
2	Expected saving in line losses in HT lines(In LU)	
i	Line losses before improvement	NA
ii	Line losses in proposed feeder	NA
iii	Line losses in Residual feeder	NA
iv	Net savings*	NA
	* Including loss saving due to capacitor bank.	
3	Expected saving in line losses in LT lines(In LU) in horizon year	
i	Line losses before improvement	NA
ii	Line losses after improvement	NA
iii	Net savings	NA
4	Total Saving in LU(5+6+7)	NA
5	Benefit to the Board due to saving in line losses(8XLRMC)	NA
6	Total benefit to the Board (4+9)	1686.25
7	Total scheme cost	6445.30
9	% Gross return (Total benefit/Total cost)*100	26.16

Scheme area

Package-1

ANNEXTURE-V

Calculation of IRR

Total cost of the scheme

6446.30 Lakhs

Total benefit

1686.25 Lakhs

IRR CALCULATION

Year	Investment (%)	Investment	O&M charges @ 3%	Bonofits (%)	(Amount in Rs Lakhs)	
					Financlal Bonofits	Not Financlal Bonofits
1	2	3	4	5	6	7
1	60%	3867.779	58.017	10%	168.625	-3757.171
2	40%	2578.520	154.711	20%	337.250	-2395.981
3			193.389	40%	674.500	481.111
4			193.389	80%	1349.000	1155.611
5			193.389	100%	1686.250	1492.861
6			193.389	100%	1686.250	1492.861
7			193.389	100%	1686.250	1492.861
8			193.389	100%	1686.250	1492.861
9			193.389	100%	1686.250	1492.861
10			193.389	100%	1686.250	1492.861
11			193.389	100%	1686.250	1492.861
12			193.389	100%	1686.250	1492.861
13			193.389	100%	1686.250	1492.861
14			193.389	100%	1686.250	1492.861
15			193.389	100%	1686.250	1492.861
					IRR=	16.27%

ANNEXTURE-VII

DETAILS OF ATAL JYOTI YOJANA PACKAGE ORDER NO. 7 DATE

Package - 1(O&M Dn. Raipur, N-Rajim & Dhamtari)

M/s ATSL Baroda

No. 02-28/ATJY/Order/Pack-1/1438 Raipur Dt. 29.12.2007 (Supply Potation)

No. 02-28/ATJY/Order/Pack-1/1439 Raipur Dt. 29.12.2007 (Erection Potation)

CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD.

(A Govt. of Chhattisgarh undertaking)

OFFICE OF THE CHIEF ENGINEER (O&M)

DANGANIYA, RAIPUR 492013

No. 02-01/Wk/

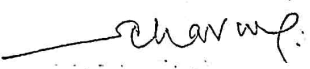
9603

Raipur, dtd. 07/01/2010

CERTIFICATE

Certified that

- The company proposes to avail financing for the present scheme, i.e. Atal Jyoti Yojna from only one financing institution i.e. REC.
- The works covered under the present scheme have not been covered under any other scheme already sanctioned by REC.
- Implementation of works shall be carried out through outsourcing on labour contract/turnkey basis.


Executive Director (Finance)
C.S.P.H.C.L. :: RAIPUR


Chief Engineer (O&M)
C.S.P.D.C.L. :: RAIPUR

Annexure - XI

CHHATTISGARH STATE POWER DISTRIBUTION CO. LTD.
(A Govt. of Chhattisgarh undertaking)
OFFICE OF THE CHIEF ENGINEER (O&M)
DANGANIYA, RAIPUR 492013

No. 02-01/Estt/

Raipur, dtd.

THIS IS TO CERTIFY THAT

Area included under the scheme have not been included in any scheme for which loan assistance has already been sanctioned by or which has been prepared for loan assistance from REC or any other financing institution.

Adequate power would be made available to the scheme area.

There is no ban on connecting up the new services of any category.

L.T. System would be designed to ensure that the regulation would be within 6%.

The transmission and distribution system will adequately strengthen for reliable and stable supply of power.

In the event of serious shortage of power, minimum about 6 hour power supply to pump sets consisting with the load factor assumed for scheme area would be ensured.

CERTIFICATE REGARDING CALCULATION OF % V.R.

This is to confirm that while calculation the voltage regulation for 11 KV Lines related with this scheme, due care has been taken for the additional transformer under this scheme on the relevant 11 KV Feeders and such, the regulations furnished here with will take care of proposed load of this scheme.

Wherever the D.F. of more than 2.0 is adopted the requisite justification is furnished in the scheme report.

Wherever the % V.R. of 11 KV feeders are more than 8% Company has proposed/sanctioned bifurcation of load. % V.R. of these feeders will be within the permissible limit.


Chief Engineer (O&M)
C.S.P.D.C.L. :: RAIPUR