Form-6

Financial Package upto COD (Block Year- 2009-2014)

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication Element: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1 nos new 125 MVAR Bus Reactor at

Date of commercial Operation: 01-Oct-2011

		2 23		
Rs.	ln.	1 2	νh	

भवरगिड

Particulars		Financial Package as Approved		ckage as on	2011/2011	ted by COD / 03.2014
	Currency and Amount		Currency and Amount		Currency	and Amount
Loans						
Loans-Domestic	INR	2696.3	INR	793.93		
Loans-Foreign			INR	0		
Total Loans	INR	2696.3	INR	793.93	INR	
Equity						
Foreign						
Domestic	INR	1155.56	INR	340.26		
Notional						
Total Equity	INR	1155.56	INR	340.26	INR	
Debt Equity Ratio				70:30:00		
Total Cost	INR	3851.86	INR	1134.19	INR	
	Debt	Equity	Total			
Add Cap for 2011-2012			18.02			
Add Cap for 2012-2013			0.88			
Add Cap for 2013-2014			80.48			
Add Cap for 2011-2012	Actual	Normative				
Debt		12.61				
Equity		5.41				
Total		18.02				
Total Capital cost with Addcap		1233.57				

3	Form-9
Statement of Additional	Capitalisation after COD
Name of the Petitioner: Power Grid Corporation of India Limi	ted
Name of the Region: EASTERN REGION	
Name of the Project: ERSS-II	
Name of the Transmission Element or Communication system Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Install	
Date of Commercial Operation: 01-Oct-2011	

SI. No.	Year	Work / Equipment proposed to be added after COD uto cut off date/beyond cut off date	Amount capitalised and proposed to be capitalised		Regulation under which covered	Admitted Cost
1	2011-2012	SUB STATION		Balance & Retention payment	9,1(i)	
	2011-2012	Total	18.02			
2	2012-2013	SUB STATION	0.88	Balance & Retention payment	9,1(i)	
	2012-2013	Total	0.88			
3	2013-2014	SUB STATION	80.48	Balance & Retention payment	9,1(i)	
	2013-2014	Total	80.48			



(Petitioner)							
大学は							
		0 0		18.02	0	0	Total
		0 0		5.41	0	0	Equity
		0		12.61	0	0	Total Loan
		0		12.61	0	C	neol
							Financing Details
		2013-14	2012-13	2011-12	2010-11	2009-10	Amount Capitalised in Work/Equipm 2009-10
ted	Admitted			Actual			Financial Year
Amount in Lakhs							
					011	in: 01-Oct-2	Date of Commercial Operation: 01-Oct-2011
	ea	us Reactor at Purn	5 MVAR B	ios new 12	lation of 1r	or and Instal	of 1 No. 63 MVAR Bus Reactor and Installation of 1nos new 125 MVAR Bus Reactor at Purnea
cation System: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting	25 MVAR Bus Reactor at I	ned elements of 1.	(2)Combi	on System:	mmunicati	ement or Co	Name of the Transmission Element or Communi
							Name of the Project: ERSS-II
						N REGION	Name of the Region: EASTERN REGION
			p.	of India Limited		er Grid Corp	Name of the Petitioner: Power Grid Corporation
		Financing of Additional Capitalisation	of Addition	Financing of			
Form - 10	The state of the s		West of the second				

Form 11

Calculation of Depreciation Rate

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1nos new 125 MVAR Bus Reactor at Purnea

Date of Commercial Operation: 01-Oct-2011

	Commercial Operat						Rs. in Lacs
SI. No.	Particulars	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Dep. Rate	Amount
	2011-2012						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	1134.19	18.02	1152.21	1143.2	5.28	60.36
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
	Total	1134.19	18.02	1152.21	1143.2		60.36
	Weighted Average F	Rate of Depreciation					5.28
	Lapsed life						1
	2012-2013						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	1152.21	0.88	1153.09	1152.65	5.28	60.86
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
	Total	1152.21	0.88	1153.09	1152.65		60.86
	Weighted Average F	Rate of Depreciation					5.28
	Lapsed life						2
	2013-2014						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	1153.09	80.48	1233.57	1193.33	5.28	63.01
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
	Total	1153.09	80.48	1233.57	1193.33		63.01
	Weighted Average I	Rate of Depreciation	n				5.28
0	Lapsed life						3
	F-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S						

		ARTIC STREET			
The	Calan	lation	of Total	life of	Accet
Ine	· Calcu	Ialionic) I I U L a I	LITE	Maace

		The Calculation of Tot	u. L	
SI. No.	Name of the Assets	Gross Block	Life As per CERC Norms	Weighted Life
	-1	-2	-3	(4)=Col.2 x Col.3
1	FREEHOLD LAND	0	0	0
2	BUILDING	0	25	0
3	TR LINE	0	35	0
4	SUB STATION	1134.19	25	28354.75
5	PLCC	0	/ 25	0

0	25	0	LEASEHOLD LAND	6		
28354.75		1134.19	Total			
25	Total Life of Asset 28354.75/1134.19					
(Petitioner)						

The be-



Form 12

Statement of Depreciation

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1 nos new 125 MVAR Bus Reactor at

Purnea

Date of Commercial Operation: 01-Oct-2011

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Opening Capital Cost	0	0	0	1134.19	0	(
AddCap Cost	0	0	0	18.02	0	(
C'asing Capital Cost	0	0	0	1152.21	0	(
Average Capital Cost	0	0	0	1143.2	0	(
Freehold Land (Av. Cost)	0	0	0	0	0	(
Rate of Depreciation	0	0	0	5.28	5.28	5.28
Depreciable Value	0	0	0	1028.88	0	(
Balance useful life of the asset (at the beginning of year)	0	0	0	25	0	(
Elapsed life of the asset (at the beginning of the year)	0	0	0	0	0	(
Remaining Depreciable Value	0	0	0	1028.88	0	
Depreciation during the year	0	0	0	5.03	0	
Depreciation upto previous year	0	0	0	0	0	(
Cumulative depreciation (incl. of AAD)	0	0	0	5.03	0	

Gu (Petitioner)

Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1nos new 125 MVAR Bus Reactor at Purnea

Date of Commercial Operation: 01-Oct-2011

				2211 12	2012.12	Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
BOND XXVIII-DOCO XXVIII-						
Gross Opening Loan	0	0	0	100	100	100
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	С
Net Loans Opening	0	0	0	100	100	100
Add: Drawl(s) during the year	0	0	0	0	0	
Less: Repayment(s) of Loan during the year	0	0	0	0	0	C
Net Closing Loan	0	0	0	100	100	100
Average Net Loan	0	0	0	100	100	100
Rate of Interest on Loan	0	0	0	9.33	9.33	9.33
Interest on Loan	0	0	0	9.33	9.33	9.33
BOND XXXI-DOCO XXXI-						
Gross Opening Loan	0	0	0	50	50	50
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	
Net Loans Opening	0	0	0	50	50	50
Add: Drawl(s) during the year	0	0	0	0	0	(
Less: Repayment(s) of Loan during the year	0	0	0	0	0	<u> </u>
Net Closing Loan	0	0	0	50	50	50
Average Net Loan	0	0	0	50	50	50
Rate of Interest on Loan	0	0	0	8.9	8.9	8.9
Interest on Loan	0	0	0	4.45	4.45	4.45
BOND XXXIII-ADDCAP FOR 2011- 2012 addcap loan-						
Gross Opening Loan	0	0	0	0	0.48	0.48
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	
Net Loans Opening	0	0	0	0	0.48	0.4
Add: Drawl(s) during the year	0	0	0	0.48	0	
Less: Repayment(s) of Loan during the year	0	0	0	0	0	
Net Closing Loan	0	0	0	0.48	0.48	0.4
Average Net Loan	0	0	0	0.24	0.48	0.4
Rate of Interest on Loan	0	0	0	8.64	8.64	8.6

Particulars	Revised	2009-10	2010-11	2011-12	2012-13	Rs. in Lacs 2013-14
Interest on Loan	2008-09	0	0	0.02	0.04	0.04
interest on cour						
BOND XXXIII-DOCO XXXIII-						
Gross Opening Loan	0	0	0	100	100	100
Cumulative Repayments of Loans	0	0	0	0	0	0
upto Previous Year						
Net Loans Opening	0	0	0	100	100	100
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during	0	0	0	0	0	C
the year						
Net Closing Loan	0	0	0	100	100	100
Average Net Loan	0	0	0	100	100	100
Rate of Interest on Loan	0	0	0	8.64	8.64	8.64
Interest on Loan	0	0	0	8.64	8.64	8.64
Interest on con-						
BOND-XXXIV-DOCO XXXIV-						
Gross Opening Loan	0	0	0	473.94	473.94	473.94
Cumulative Repayments of Loans	0	0	0	0	0	C
upto Previous Year						
Net Loans Opening	0	0	0	473.94	473.94	473.94
Add: Drawl(s) during the year	0	0	0	0	0	C
Less: Repayment(s) of Loan during	0	0	0	0	0	C
the year						
Net Closing Loan	0	0	0	473.94	473.94	473.94
Average Net Loan	0	0	0	473.94	473.94	473.94
Rate of Interest on Loan	0	0	0	8.84	8.84	8.84
Interest on Loan	0	0	0	41.9	41.9	41.9
BOND-XXXV-DOCO XXXV-						
Gross Opening Loan	0	0	0	69.97	69.97	69.97
Cumulative Repayments of Loans	0	0	0	0	0	0
upto Previous Year						
Net Loans Opening	0	0	0	69.97	69.97	69.97
Add: Drawl(s) during the year	0	0	0	0	0	(
Less: Repayment(s) of Loan during	0	0	0	0	0	(
the year						
Net Closing Loan	0	0	0	69.97	69.97	69.97
Average Net Loan	0	0	0	69.97	69.97	69.97
Rate of Interest on Loan	0	0	0	9.64	9.64	9.64
Interest on Loan	0	0	0	6.75	6.75	6.75
Summary						
Gross Opening Loan	0	0	0	793.91	794.39	794.39
Cumulative Repayments of Loans	0	0	0	0	0	
upto Previous Year						
Net Loans Opening	0	0	0	793.91	794.39	794.39
Add: Drawl(s) during the year	0	0	0	0.48	(5)0	12

		***				Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	794.39	794.39	794.39
Average Net Loan	0	0	0	794.15	794.39	794.39
Rate of Interest on Loan	0	0	0	8.95	8.95	8.95
Interest on Loan	0	0	0	71.08	71.1	71.1



Form 13A

Calculation of Interest on Normative Loan

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1nos new 125

MVAR Bus Reactor at Purnea

Date of Commercial Operation: 01-Oct-2011

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Normative Loan Opening	0	0	0	793.93	0	0
Cumulative Repayments of Normative Loans upto Previous Year	0	0	0	2.1	0	0
Net Normative Loans Opening	0	0	0	791.83	0	0
Increate/Decrease due to ACE during the year	0	0	0	12.61	0	0
Less: Repayment(s) of Normative Loan during the year	0	0	0	5.03	0	0
Net Closing Normative Loan	0	0	0	799.41	0	0
Average Net Normative Loan	0	0	0	795.62	0	0
Rate of Interest on Loan	0	0	0	8.95	0	0
Interest on Normative Loan	0	0	0	71.21	0	0
Pro rata Interest on Normative Loan	0	0	0	5.93	0	O

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S Form 13B

Solution of Interest on Working Capital

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element: (2)Combined elements of 125 MVAR Bus Reactor at New Purnea and Shifting of 1 No. 63 MVAR Bus Reactor and Installation of 1 nos new 125 MVAR Bus Reactor at Purnea

Date of Commercial Operation: 01-Oct-2011

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Op. and Maintenance	0	0	0	4.88	0	0
Maintenance Spares	0	0	0	8.78	0	0
Receivables	0	0	0	43.89	0	0
Total working capital	0	0	0	57.55	0	0
Rate of Interest	0	0	0	11.75	0	0
Interest on working capital	0	0	0	6.76	0	0
Pro rata Interest on working capital	0	0	0	0.56	0	0

(Consind ISEPERT)

TABILF FORMS 209-14

Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea , Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line
Rs. in Lacs
2012-13 2013-1
0.00
0.00
0.00
0.00
0.00
0.00



8 Form 1A Calculation of Return on Equity Name of the Transmission Licensee: Power Grid Corporation of India Limited Name of the Region: EASTERN REGION Name of the Project: ERSS-II Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea , Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line Date of Commercial operation: 01-Nov-2011 Rs. in Lacs 2013-14 2012-13 Revised 2008-2009-10 2010-11 2011-12 **Particulars** 09 0 0 0 0 0 558.58 **Opening Equity** 0 0 0 0 20.29 0 Notional Equity on Add Cap 578.87 0 0 0 0 0 **Total Equity** 0 0 0 0 568.73 0 **Average Equity** 0 0 0 0 19.377 0 Rate of Return on Equity (%) 0 0 110.2 0 0 **Return on Equity** 0 0 0 36.73 0 0 0 Pro rata Return on Equity Calculation of Grossed up Rate of ROE 0 0 0 0 0 15.5 Rate of ROE 0 0 0 0 0 Time Line Incentive 0 0 0 15.5 0 0 Effective Rate of ROE 0 0 0 0 0 20.01 **MAT Rate** 0 0 0 0 0 19.377 Grossed up Rate of ROE



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Name of the Petitioner Power Grid Corporation of India Limited Name of the Petitioner Power Grid Corporation of India Limited Name of the Region (EASTEN REGION Name of the Region (EASTEN REGION Name of the Region (EASTEN REGION Name of the Transmission element or Communication system: (3)Combined elements of 125 MVAR B R at New Purnea sin but the Peritor of the Transmission element or Communication 1 nos new 125 MVAR B R at Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 1 nos new 125 MVAR B R, Install of Covered in the present peritor of Communication System 2 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 2 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 2 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 3 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 3 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 400 KV D/C line 3 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 60 KV D/C line 3 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 60 KV D/C line 4 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 60 KV D/C line 4 nos new 125 MVAR B R Install of Nos new Purnea and Durgapur Markhon 60 KV D/C line 4 nos new 125 MVAR B R Install of Nos new Purnea and Durgapur Markhon 60 KV D/C line 4 nos new 125 MVAR B R Install of Nos new Purnea and Durgapur Markhon 60 KV D/C line 5 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 60 KV D/C line 5 nos new 125 MVAR B R at New Purnea and Durgapur Markhon 60 KV D/C line 5 nos new 125 MVAR B R Install of Nos new 125 MVAR B R Ins			Details o	Details of Transmissi	on Lines and Substations, Communication System	stations, Cor	nmunicatio	n System			
EASTERN REGION ERSS-II ERSS-II ERSS-II ERSS-II ENSS-II ENSS-II Sistion element of Communication system: (3)Combined elements of 125 MVAR B R at New Purnea , Shifting of 1 No. 63 MVAR B R Destation 1 No. 0f Evel KV Evel KV Evel KV Evel KV Fransformers J Evel KV Fransformers	Vame of	the Petitioner: Pov	wer Grid Corporation of Inc								
New of the Project: ERSS-II I nose were of the Project: ERSS-II I nose were of the Project: ERSS-II I nose were of the Transmission element or Communication system: (3) Combined elements of 125 MVAR B R at New Purnea and Durgapar Maithon 400 KV D/C line St. No. ame of Sub-statid Type of Substation Noting Edg. St. No. ame of Sub-statid Type of Substation Reaccits/ SVC Reacc	Vame of	the Region: EASTE	RN REGION								
No. of Bays In so new, 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new, 125 MVAR B R, Install of 1 nos new, 125 MVAR B R at New Purnea and Durgapur Maithon 400 KV D/C line 1	Vame of	the Project: ERSS-							Continue of the last		
of No. of Bays Date of Covered in the p Commercial Petition If No. C. 765 KV 400 KV 220 KV below 101-Nov-11 Y No. In O1-Nov-11 Y No. Technical Number / length Date of Covered in the p Commercial Particulars Operation Yes/No If No.	Name of	the Transmission	element or Communicatior	system: (3)	Combined eleme	nts of 125 M	VAR B R at	New Purne	a, Shifting of 1	. No. 63 MVA	R B R, Install of
ation Voltage No. of Acceptance of Says Date of Covered in the position at New Adol No. of Acceptance of Commercial Petition	I nos nev	v 125 MVAR B R a	t Purnea and Durgapur Ma	ithon 400 KV	D/C line						
of Sub-static Type of Substation Voltage No. of level KV Transformers / Reacotrs/ SVC etc. 765 KV 400 KV 220 KV below Purnea 400 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date of C	ommercial Operat	tion: 01-Nov-2011								
SI. No. Ame of Sub-static Type of Substation Voltage No. of Americal Reaccity St. No. Ame of Sub-static Type of Substation Reaccity St. No. Ame of Communication System System System St. No. Ame of Communication System St. No. Ame of Communication System St. No. Ame of Communication System System System St. No. Ame of Communication System Sys	Substat	ions:									
NEW PURNEA-Bus Reactor II Bay at New Purnea 400 etc. 765 KV 400 KV 220 KV below No. Total 1 1 01-Nov-11 Y No. Name of Communication System: SI. No. Name of Communication System System System: Total 1 01-Nov-11 Y No. Name of Communication System System System System: Type of Communication System System System System: Type of Communication Particulars Operation Yes/No If No.	SI. No.			Voltage level KV	No. of Transformers /		No. of Bays		Date of Commercial	Covered in petition	the present
New Purnea					Reacotrs/ SVC etc.) KV 220 K	-		Yes/No	If No, petition No.
Total Purnea 400 1 01-Nov-11 Y		NEW PURNEA-	Bus Reactor II Bay at New								
Inication Name of Communication System Name of Communication System System System Tope of Communication System System Tope of Communication System Toperation Tope			Purnea	400		П			01-Nov-11	>	
Name of Communication Name of Communication System System System Trype of Communication System System Trype of Communication System System Trype of Communication Technical Technical Number / length Commercial Septicion Tesyluo If Number / length Commercial Septicion Tesyluo Technical Technical Number / length Date of Covered in the particulars Operation Tesyluo Technical Tec		Total				-1	_				
Name of Communication System	Commi	unication									
Particulars Commercial petition operation Yes/No If No.	SI. No.		unication System	Type of Con	nmunication	Technical	Numb	er / length	Date of	Covered in	the present
Yes/No If N				System		Particulars			Commercial	petition	
OWE OF THE PERSON OF THE PERSO									operation	Yes/No	If No, petition No.
SOWE CONTRACT											
W COWE CO											\$ P. P.
										COWER D	
										9700	PJD.

Financial Package upto COD (Block Year- 2009-2014)

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication Element: (3)Combined elements of 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line

Date of commercial Operation: 01-Nov-2011

Rs. In Lakhs

Particulars		ial Package as pproved		ckage as on		ed by COD / 3.2014
	Currenc	cy and Amount	Currency a	nd Amount	Currency a	and Amount
Loans						
Loans-Domestic	INR	3949.16	INR	1303.36		
Loans-Foreign			INR	0		
Total Loans	INR	3949.16	INR	1303.36	INR	
Equity						
Foreign						
Domestic	INR	1692.5	INR	558.58		
Notional						
Total Equity	INR	1692.5	INR	558.58	INR	
Debt Equity Ratio				70:30:00		
Total Cost	INR	5641.66	INR	1861.94	INR	
	Debt	Equity	Total			
Add Cap for 2011-2012			67.64			
Add Cap for 2012-2013			46.44			
Add Cap for 2013-2014			180.6			
Add Cap for 2011-2012	Actual	Normative				
Debt		47.35				
Equity		20.29				
Total		67.64				
Add Cap for 2012-2013	Actual	Normative				
Debt		32.508				
Equity		13.932				
Total		46.44		5		
Add Cap for 2013-2014	Actual	Normative				
Debt		47.348				
Equity		20.292				
Total		67.64			611	
Total Capital cost with Addcap		2156.62			OD, GU	TO CHA

(Petitioner)

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\$	Form-9
Statement	of Additional Capitalisation after COD
Name of the Petitioner: Power Grid Corporation	n of India Limited
Name of the Region: EASTERN REGION	
Name of the Project: ERSS-II	
Name of the Transmission Element or Commun Shifting of 1 No. 63 MVAR B R, Install of 1 nos n	ication system: (3)Combined elements of 125 MVAR B R at New Purnea, ew 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line
Date of Commercial Operation: 01-Nov-2011	

SI. No.	Year	Work / Equipment proposed to be added after COD uto cut off date/beyond cut off date	capitalised and proposed to be capitalised	Justification	Regulation under which covered	Admitted Cost
1	2011-2012	SUB STATION	67.64	balance & retention payment	9,1(i)	
	2011-2012	Total	67.64			
2	2012-2013	SUB STATION	46.44	balance & retention payment	9,1(i)	
	2012-2013	Total	46.44			
3	2013-2014	SUB STATION	180.6	balance & retention payment	9,1(i)	
	2013-2014	Total	180.6			
						(Petitioner



(Petitioner)							
内、成り							
		0	0	67.64	0 0		Total
		0	0	20.29	0		Equity
		0	0	47.35	0	0	Total Loan
				CC:/t	0	0	Loan
							Financing Details
		2013-14	2012-13	2011-12	2010-11	2009-10	Amount Capitalised in Work/Equipment
pa	Admitted			Actual			Financial Year
Amount in Lakhs							
					2011	ion: 01-Nov-	Date of Commercial Operation: 01-Nov-2011
iea , snirting of 1 No. 63	MVAK B K at New Purn line	eation System: (3)Combined elements of 125 MN Purnea and Durgapur Maithon 400 KV D/C line	(3)Combine	on System: rnea and Du	ommunicati	lement or Co ew 125 MVA	Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B K at New Purnea , Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line
							Name of the Project: ERSS-II
						3N REGION	Name of the Region: EASTERN REGION
				of India Limited		ver Grid Corp	Name of the Petitioner: Power Grid Corporation
		Financing of Additional Capitalisation	f Additiona	Financing o			
24 11101							

Form 11

Calculation of Depreciation Rate

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line

Date of Commercial Operation: 01-Nov-201	Date of	of Commercial	peration:	01-Nov-2011
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							Rs. in Lacs
SI, No.	Particulars	Gross block at the beginning of the year	Add Cap during the year	Gross block at the end of the year	Average Gross Block	Dep. Rate	Amount
	2011-2012						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	1861.94	67.64	1929.58	1895.76	5.28	100.1
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
	Total	1861.94	67.64	1929.58	1895.76		100.1
	Weighted Average F	Rate of Depreciation					5.28
	Lapsed life						1
	2012-2013						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	2621.35	46.44	2667.79	2644.57	5.28	139.63
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
	Total	2621.35	46.44	2667.79	2644.57		139.63
	Weighted Average F	Rate of Depreciation					5.28
	Lapsed life						2
	2013-2014						
1	FREEHOLD LAND	0	0	0	0	0	0
2	BUILDING	0	0	0	0	3.34	0
3	TR LINE	0	0	0	0	5.28	0
4	SUB STATION	2667.79	180.6	2848.39	2758.09	5.28	145.63
5	PLCC	0	0	0	0	6.33	0
6	LEASEHOLD LAND	0	0	0	0	3.34	0
A	Total	2667.79	180.6	2848.39	2758.09		145.63
	Weighted Average I	Rate of Depreciation	n				5.28
	Lapsed life						3

The Ca	Iculation	of	Total	Life	of	Asset

SI. No.	Name of the Assets	Gross Block	Life As per CERC Norms	Weighted Life
	-1	-2	-3	(4)=Col.2 x Col.3
1	FREEHOLD LAND	0	0	0
2	BUILDING	0	25	0
3	TR LINE	0	35	GURO 0
4	SUB STATION	1861.94	25	46548.5
5	PLCC	0	25	* 0

6	LEASEHOLD LAND	0	25	- 0
	Total	1861.94		46548.5
	Total Life of Asset		46548.5/1861.94	25
				the ver
				(Petitioner)



Statement of Depreciation

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Opening Capital Cost	0	0	0	1861.94	0	0
AddCap Cost	0	0	0	67.64	0	0
Closing Capital Cost	0	0	0	1929.58	0	0
Average Capital Cost	0	0	0	1895.76	0	0
Freehold Land (Av. Cost)	0	0	0	0	0	0
Rate of Depreciation	0	0	0	5.28	5.28	5.28
Depreciable Value	0	0	0	1706.18	0	0
Balance useful life of the asset (at the beginning of year)	0	0	0	25	0	0
Elapsed life of the asset (at the beginning of the year)	0	0	0	0	0	0
nemaining Depreciable Value	0	0	0	1706.18	0	0
Depreciation during the year	0	0	0	33.37	0	0
Depreciation upto previous year	0	0	0	0	0	0
Cumulative depreciation (incl. of AAD)	0	0	0	33.37	0	0

एका . पीर (Petitioner)

Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea , Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur

Maithon 400 KV D/C line

						Rs. in
						Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
BOND XXVIII-DOCO XXVIII-						
Gross Opening Loan	0	0	0	450	450	450
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	450	450	450
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	450	450	450
Average Net Loan	0	0	0	450	450	450
Rate of Interest on Loan	0	0	0	9.33	9.33	9.33
Interest on Loan	0	0	0	41.99	41.99	41.99
BOND XXIX-DOCO XXIX-						
Gross Opening Loan	0	0	0	100	100	100
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	100	100	100
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	100	100	100
Average Net Loan	0	0	0	100	100	100
Rate of Interest on Loan	0	0	0	9.2	9.2	9.2
Interest on Loan	0	0	0	9.2	9.2	9.2
BOND XXXI-BOND XXXI DOCO-						
Gross Opening Loan	0	0	0	50	50	50
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	50	50	50
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during	0	0	0	0	0	C
the year Net Closing Loan	0	0	0	50	50	50
Average Net Loan	0	0	0	50	50	50

						Rs. in
						Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Rate of Interest on Loan	0	0	0	8.9	8.9	8.9
Interest on Loan	0	0	0	4.45	4.45	4.45
BOND XXXIII-ADDCAP FOR 2011-						
2012 add cap loan-						
Gross Opening Loan	0	0	0	0	6.87	6.87
Cumulative Repayments of Loans	0	0	0	0	0	0
upto Previous Year			X L			
Net Loans Opening	0	0	0	0	6.87	6.87
Add: Drawl(s) during the year	0	0	0	6.87	0	0
Less: Repayment(s) of Loan during	0	0	0	0	0	0
the year						
Net Closing Loan	0	0	0	6.87	6.87	6.87
Average Net Loan	0	0	0	3.44	6.87	6.87
Rate of Interest on Loan	0	0	0	8.64	8.64	8.64
Interest on Loan	0	0	0	0.3	0.59	0.59
BOND XXXIII-doco loan-						
Gross Opening Loan	0	0	0	104.93	104.93	104.93
Cumulative Repayments of Loans	0	0	0	0	0	0
upto Previous Year						
Net Loans Opening	0	0	0	104.93	104.93	104.93
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during	0	0	0	0	0	0
the year						
Net Closing Loan	0	0	0	104.93	104.93	104.93
Average Net Loan	0	0	0	104.93	104.93	104.93
Rate of Interest on Loan	0	0	0	8.64	8.64	8.64
Interest on Loan	0	0	0	9.07	9.07	9.07
BOND-XXXIV-ADDCAP FOR 2011- 2012 add cap loan-	/					
Gross Opening Loan	0	0	0	0	5.16	5.16
Cumulative Repayments of Loans	0	0	0	0	0	0
upto Previous Year	٩	Ĭ				
	0	0	0	0	5.16	5.16
Net Loans Opening Add: Drawl(s) during the year	0	0	0	5.16	0	0
Less: Repayment(s) of Loan during	0	0	0	0	0	0
		Ĭ				
the year	0	0	0	5.16	5.16	5.16
Net Closing Loan	0	0	0	2.58	5.16	5.16
Average Net Loan Rate of Interest on Loan	0	0	0	8.84	8.84	8.84
	0	0	0	0.23	0.46	0.46
Interest on Loan	0	0		0,20		Up
BOND-XXXIV-DOCO XXXIV-					(GRIU)	(CAS)
Gross Opening Loan	0	0	0	505.44	505.44	505.44

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	505.44	505.44	505.44
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	505.44	505.44	505.44
Average Net Loan	0	0	0	505.44	505.44	505.44
Rate of Interest on Loan	0	0	0	8.84	8.84	8.84
Interest on Loan	0	0	0	44.68	44.68	44.68
BOND-XXXV-DOCO XXXV-						
Gross Opening Loan	0	0	0	92.97	92.97	92.97
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	92.97	92.97	92.97
Add: Drawl(s) during the year	0	0	0	0	0	0
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	92.97	92.97	92.97
Average Net Loan	0	0	0	92.97	92.97	92.97
Rate of Interest on Loan	0	0	0	9.64	9.64	9.64
Interest on Loan	0	0	0	8.96	8.96	8.96
Summary						
Gross Opening Loan	0	0	0	1303.34	1315.37	1315.37
Cumulative Repayments of Loans upto Previous Year	0	0	0	0	0	0
Net Loans Opening	0	0	0	1303.34	1315.37	1315.37
Add: Drawl(s) during the year	0	0	0	12.03	0	0
Less: Repayment(s) of Loan during the year	0	0	0	0	0	0
Net Closing Loan	0	0	0	1315.37	1315.37	1315.37
Average Net Loan	0	0	0	1309.36	1315.37	1315.37
Rate of Interest on Loan	0	0	0	9.08	9.08	9.08
Interest on Loan	0	0	0	118.87	119.39	119.39

Form 13A

Calculation of Interest on Normative Loan

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element or Communication System: (3)Combined elements of 125 MVAR B R at New Purnea , Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line

Date of Commercial Operation: 01-Nov-2011

						Rs. in Lacs
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Gross Normative Loan Opening	0	0	0	1303.36	0	0
Cumulative Repayments of Normative Loans upto Previous Year	0	0	0	2.38	0	0
Net Normative Loans Opening	0	0	0	1300.98	0	0
Increate/Decrease due to ACE during the year	0	0	0	47.35	0	0
Less: Repayment(s) of Normative Loan during the year	0	0	0	33.37	0	0
Net Closing Normative Loan	0	0	0	1314.96	0	0
Average Net Normative Loan	0	0	0	1307.97	0	0
Rate of Interest on Loan	0	0	0	9.08	0	0
Interest on Normative Loan	0	0	0	118.74	0	0
Pro rata Interest on Normative Loan	0	0	0	39.58	0	0

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Calculation of Interest on Working Capital

Name of the Transmission Licensee: Power Grid Corporation of India Limited

Name of the Region: EASTERN REGION

Name of the Project: ERSS-II

Name of the Transmission Element: (3)Combined elements of 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea and Durgapur Maithon 400 KV D/C line

Date of Commercial Operation: 01-Nov-2011

Date of commercial operation						NS. III
Particulars	Revised 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Op. and Maintenance	0	0	0	4.88	0	0
Maintenance Spares	0	0	0	8.78	0	0
Receivables	0	0	0	66.16	0	0
Total working capital	0	0	0	79.82	0	0
Rate of Interest	0	0	0	11.75	0	0
Interest on working capital	0	0	0	9.38	0	0
Pro rata Interest on working capital	0	0	0	3.13	0	0



3 Form I Summary Sheet FORTS FOR 2009-14 Name of the Transmission Licensee: Power Grid Corporation of India Limited Name of the Region: EASTERN REGION Name of the Project: ERSS-II Name of the Transmission Element or Communication System: (4)Combined elements of 125 MVAR B R at New Purnea, Shifting of 1 No. 63 MVAR B R, Install of 1 nos new 125 MVAR B R at Purnea, Durgapur Maithon 400 KV D/C line and Install of 1 nos new 125 MVAR B R at Siliguri shifting of 3nos 63 MVAR B R Date of Commercial operation: 01-Mar-2012 Rs. in Lacs 2012-13 2013-14 Revised 2009-10 2010-11 2011-12 **Particulars** 2008-09 0 Depreciation-(Form No. 11) 0 0 0 62.17 0 0 0 0 74.93 0 Interest on Loan-(Form No. 13A) 0 0 0 0 0 68.45 0 Return on Equity-(Form No. IA) 0 0 Int. on Working Capital-(Form No. 13B) 0 0 5.47 0 Op. and Maintenance-(Form No. 2) 0 0 0 28.52 0 0 0 239.54 0 0 0 Total W. C (Petitioner)