

Summary Sheet

Name of the Company

APGenco

Name of the Power Station :

RTPP stage I

(Rs in Crs)

S.No.	Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7
1.1	Depreciation	39.2	39.2	39.2	39.2	39.2
1.2	Return on Capital Employed ¹	123.38	112.5	106.92	101.37	95.85
1.3	O & M Expenses	62.07	70.59	73.41	76.35	79.4
	Total	224.65	222.29	219.53	216.92	214.45

2.Calculation of Rate of Energy Charge(Rs./kWh)¹

2.1	Rate of Energy Charge from Primary Fuel (REC) _p ²	2.292	1.745	1.745	1.745	1.745
2.2	Rate of Energy Charge from Secondary Fuel (REC)	0.066	0.066	0.066	0.066	0.066
2.3	Rate of Energy Charge ex-bus(REC) ^{3A,3B,3C}	2.358	1.811	1.811	1.811	1.811

**PART-I
FORM-2**

Plant Characteristics

Name of the Company : APGENCO

Name of the Power Station : Rayalaseema Thermal Power Station

Basic characteristics of the plant¹ : Coal based thermal plant with conventional Boiler and Steam Turbine.

Special Features of the Plant :

Site Specific Features² :

Special Technological Features³ :

Environmental Regulation related features⁴ : ESPs are provided for pollution control in both the Units. Opacity meters are provided for SPM measurement and measurement of SOX and NOX emissions provided.

Any other special features :

Fuel Details⁵	Primary Fuel	Secondary Fuel	Alternate Fuels
	Coal	Heavy oil/Light Diesel oil	---

Details	Module number or Unit number	
Unit No.	1	2
	Unit-1	Unit-2
Installed Capacity (IC)	210MW	210MW
Date of Commercial Operation (COD)	31.3.1994	25.2.1995
Type of cooling system ⁶	Closed cycle cooling system with ND cooling	Closed cycle cooling system with ND cooling towers
Type of Boiler Feed Pump ⁷	Motor driven	Motor driven

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**PART-I
FORM-3**

Normative parameters considered for tariff computations

Name of the Company **APGENCO**

Name of the Power Station **RTPP Stage-1**

Particulars	Unit	Year ending of March	
		As per fillings	As per APERC norms
		2009-14	
-1		2	3
Rate of Return on Capital Employed	%	15	Not mentioned
Target Availability	%	90.00%	80.00%
Target PLF	%	88.91%	80.00%
Auxiliary Energy Consumption	%	9.5	9
Gross Station Heat Rate	kCal/kWh	2500	2500
Specific Fuel Oil Consumption	ml/kWh	2	2
O&M Cost	Rs.Lakh/MW	14.77 with 4% esc.	5 Years average
Cost of Coal/Lignite for WC¹	in Months	1	1
Cost of Secondary Fuel Oil for WC¹	in Months	1	1
Fuel Cost for WC²	in Months		
Liquid Fuel Stock for WC²	in Months		
O & M Expenses for WC	in Months	1	1
Maintenance Spares for WC	%	1	1
Receivables for WC	in Months	2	2
Prime lending Rate of SBI as on _____.	%		
Incentive Rate	Paise / kWh	25	25

Note :- Payrevision commitment of 25% on Employee cost extra from 2010 onwards.

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**PART-I
FORM- 7**

Details of Project Specific Loans

Name of the Company **APGENCO**

Name of the Power Station **RTPP Stage I**

(Amount in lacs)

Particulars	Package1	Package2
1	2	3
Source of Loan ¹	PFC	GoAP
Currency ²	Indian Rupee	Indian Rupee
Amount of Loan sanctioned	25825	3432
Amount of Gross Loan drawn upto 31.03.2005/COD ^{3,4,5,13,15}	25588.88	3432
Interest Type ⁶	Floting	Fixed
Fixed Interest Rate, if applicable		12.50%
Base Rate, if Floating Interest ⁷		
Margin, if Floating Interest ⁸	Yes	No
Are there any Caps/Floor ⁹		
If above is yes,specify caps/floor		
Moratorium Period ¹⁰	1 year	
Moratorium effective from		
Repayment Period ¹¹	12 years	15 years
Repayment effective from		
Repayment Frequency ¹²	Quarterly	Anually
Repayment Instalment ^{13,14}	48	
Base Exchange Rate ¹⁶		

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Statement of Depreciation

Name of the Company

APGENCO

Name of the Power Station

RTPP-I

(Rs in Lakhs)

Financial Year	Upto 2007-08	2008-09	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1	2	3	4	5	6	7	8
Depreciation on Capital Cost	195378	196000	196000	196000	196000	196000	196000
Depreciation recovered during the Year	10623	10623	3920	3920	3920	3920	3920
Depreciation & Advance against Depreciation recovered during the year	10623	10623	3920	3920	3920	3920	3920
Cumulative Depreciation & Advance against Depreciation recovered upto the year	126577	137200	189510	193430	197350	201270	205190

**PART-I
FORM- 13A**

Calculation of Return on Capital Employed

Name of the Company APGENCO

Name of the Power Station RTPP-I

(Amount in lacs)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6
Regulated Rate Base ¹	0.15	0.15	0.15	0.15	0.15
WACC ¹	82253.33	75000.00	71280.00	67580.00	63900.00
RoCE	12338	11250	10692	10137	9585

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**PART-I
FORM- 14**

Working Capital

Name of the Company

APGENCO

Name of the Power Station

RTPP-I

(Amount in lacs)

Sl. No.	Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7
1	Cost of Fuel	5217	4023	4023	4023	4023
2	O & M expenses	517.00	588.00	612.00	636.00	662
3	Maintenance Spares	3544.00	3757.00	3982.00	4221.00	4474
4	Recievables	14178.00	11750.00	11704.00	11660.00	11619
	Total Working Capital	23456.00	20117.00	20320.00	20540.00	20778

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Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges¹

Name of the Company

APGENCO

Name of the Power Station

RTPP-I

Sl. No.	Month	Unit	For preceding 3rd Month	For preceding 2nd Month	For preceding 1st Month
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	0.374201		
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	0.016173		
3	Coal supplied by Coal/Lignite Company (1+2)	(MMT)	0.390374		
4	Normative Transit & Handling Losses (For coal/Lignit based Projects)	(MMT)	0		
5	Net coal / Lignite Supplied (3-4)	(MMT)	0.390374		
6	Amount charged by the Coal /Lignite Company	(Rs.)			
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			
8	Total amount Charged (6+7)	(Rs.)			
9	Transportation charges by rail/ship/road transport	(Rs.)			
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)			
11	Demurrage Charges, if any	(Rs.)			
12	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)			
13	Total Transportation Charges (9+/-10-11+12)	(Rs.)			

14	Total amount Charged for coal/lignite supplied including Transportation (8+13)	(Rs.)	1015405715		
			2601.11		
15	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)	3110		

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