

Summary Sheet

Name of the Company

APGenco

Name of the Power Station :

KTPS V

(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	32	32	32	32	32
1.2	Return on Capital Employed ¹	118.19	113.84	109.3	104.79	100.29
1.3	O & M Expenses	61.94	69.94	72.73	75.64	78.67
	Total	212.13	215.78	214.03	212.43	210.96

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

2.1	Rate of Energy Charge from Primary Fuel (REC) ^{p2}	1.1	1.1	1.1	1.1	1.1
2.2	Rate of Energy Charge from Secondary Fuel (REC)	0.06	0.06	0.06	0.06	0.06
2.3	Rate of Energy Charge ex-bus(REC)	1.16	1.16	1.16	1.16	1.16

Petitioner

**PART-I
FORM-2**

Plant Characteristics

Name of the Company APGENCO

Name of the Power Station Kothagudem Thermal Power Station/V Stage(Units 9&10)

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

Special Features of the Plant

Site Specific Features² A pit head station

Special Technological Features³ Variable frequency drives for Boiler Feed Pumps are provided.

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

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-9	Unit-10
Installed Capacity (IC)	250MW	250MW
Date of Commercial Operation (COD)	27-03-1997	28-02-1998
Type of cooling system ⁶	Closed cycle cooling system with ND cooling towers	Closed cycle cooling system with ND cooling towers
Type of Boiler Feed Pump ⁷	Motor driven	Motor driven

PETITIONER

Normative parameters considered for tariff computations

Name of the Company **APGENCO**

Name of the Power Station **KTPS-V**

Particulars	Unit	Year Ending March	
		As per filings	As per APERC norms
			2009-10
-1		2	3
Rate of Return on Capital Employed	%	15	Not mentioned
Target Availability	%	90.00%	80.00%
Target PLF	%	86.73%	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	12.38 (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

* payrevision commitment of 25% on salaries and allowances is extra from 1.4.2010.

PETITIONER

Details of Project Specific Loans

Name of the Company

APGENCO

Name of the Power Station

KTPS V

(Amount in lacs)

Particulars	Package1
1	2
Source of Loan ¹	PFC
Currency ²	Indian Rupee
Amount of Loan sanctioned	14127
Amount of Gross Loan drawn upto 31.03.2005/COD 3,4,5,13,15	5238.95
Interest Type ⁶	Floting
Fixed Interest Rate, if applicable	
Base Rate, if Floating Interest ⁷	
Margin, if Floating Interest ⁸	Yes
Are there any Caps/Floor ⁹	
If above is yes,specify caps/floor	
Moratorium Period ¹⁰	1 year
Moratorium effective from	
Repayment Period ¹¹	10 years
Repayment effective from	
Repayment Frequency ¹²	Quaterly
Repayment Instalment ^{13,14}	48
Base Exchange Rate ¹⁶	

Petitioner

Statement of Depreciation

Name of the Company

APGENCO

Name of the Power Station

KTPS-V

Rs in Lacks

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	208135	209000	209000	209000	209000	209000	209000
Depreciation recovered during the Year	15272	15185	3200	3200	3200	3200	3200
Depreciation & Advance against Depreciation recovered during the year	15272	15185	3200	3200	3200	3200	3200
Cumulative Depreciation & Advance against Depreciation recovered upto the year	131057	146242	149442	152642	155842	159042	162242

PART-I
FORM- 13A

Calculation of Return on Capital Employed

Name of the Company

APGENCO

Name of the Power Station

KTPS-V

(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	78793	75893	72867	69860	66860
RoCE	11819	11384	10930	10479	10029

**PART-I
FORM- 14**

Working Capital

Name of the Company

APGENCO

Name of the Power Station

KTPS-V

(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	3065	3065	3065	3065	3065
2	O & M expenses	516	583	606	630	656
3	Maintenance Spares	2847	3018	3199	3391	3594
4	Recievables	9666	9727	9698	9671	9647
	Total Working Capital	16095	16393	16569	16758	16962

Petitioner

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

Name of the Company

APGENCO

Name of the Power Station

KTPS-V

Sl. No.	Month	Unit	Weighted average	For preceding 3rd Month	For preceding 2nd Month	For preceding 1st Month
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	0.7067			
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	0.107379			
3	Coal supplied by Coal/Lignite Company (1+2)	(MMT)	0.814079			
4	Normative Transit & Handling Losses (For coal/Lignit based Projects)	(MMT)	0.006599			
5	Net coal / Lignite Supplied (3-4)	(MMT)	0.80748			
6	Amount charged by the Coal /Lignite Company	(Rs.)	698241016			
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)	110983723			
8	Total amount Charged (6+7)	(Rs.)	809224739			
9	Transportation charges by rail/ship/road transport	(Rs.)	49311713			
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	8144698			
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.)	57456411			

14	Total amount Charged for coal/lignite supplied including Transportation (8+13)	(Rs.)	866681150			
	weighted average Price		1073.32			
15	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)				

PETITIONER