

**PART-I
FORM- 1**

Summary Sheet

Name of the Company
Name of the Power Station :

APGenco
Dr. NTTPS stage IV

(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	169.63	169.63	169.63	169.63	169.63
1.2	Return on Capital Employed ¹	327.02	304.11	280.97	257.85	234.74
1.3	O & M Expenses	56.92	66.6	69.26	72.03	74.91
	Total	553.57	540.34	519.86	499.51	479.28

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

2.1	Rate of Energy Charge from Primary Fuel (REC) ^{p²}	1.21	1.21	1.21	1.21	1.21
2.2	Rate of Energy Charge from Secondary Fuel (REC)	0.03	0.03	0.03	0.03	0.03
2.3	Rate of Energy Charge ex-bus(REC) ^{3A,3B,3C}	1.24	1.24	1.24	1.24	1.24

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Plant Characteristics

Name of the Company

APGenco

Name of the Power Station

: Dr Narla Tata Rao Thermal Power Station stage IV

Basic characteristics of the plant¹

Coal based thermal station(1x500 MW) with conventional boiler and steam turbine

Special Features of the Plant

Site Specific Features²

Near to river Krishna. Cooling water is taken from the upstream of the river and return water is fed back to the river downstream. Alternative cooling water system with forced draught cooling towers is also available.

Special Technological Features³

Environmental Regulation related features⁴

: ESPs are provided for pollution control in all 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	Unit no.1
Installed Capacity (IC)	500 Mw
Date of Commercial Operation (COD)	
Type of cooling system ⁶	Once through cooling by river water along with Forced draught cooling towers in summer
Type of Boiler Feed Pump ⁷	Motor driven & Turbine driven

**PART-I
FORM-3**

Normative parameters considered for tariff computations

Name of the Company **APGENCO**

Name of the Power Station **VTPS-IV**

Year ending March

Particulars	Unit	As per fillings	As per APERC norms
		2009-10	2009-10
-1		2	3
Rate of Return on Capital Employed	%	13.5	Not mentioned
Target Availability	%	80.00%	80.00%
Target PLF	%	80.00%	80.00%
Auxiliary Energy Consumption	%	7.5	7.5
Gross Station Heat Rate	kCal/kWh	2450	2450
Specific Fuel Oil Consumption	ml/kWh	2	2
O&M Cost	Rs.Lakh/MW	11.38(with 4% esc)	11.38
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	%	12.25	
Incentive Rate	Paise / kWh	25	25

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

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**PART-I
FORM- 7**

Details of Project Specific Loans

Name of the Company

APGENCO

Name of the Power Station

Dr. NTPPS-IV

(Amount in lacs)

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan ¹	REC	Andhra bank	P&S	SBH	SBM	To be tied up
Currency ²	INDIAN Rs	INDIAN Rs	INDIAN Rs	INDIAN Rs	INDIAN Rs	INDIAN Rs
Amount of Loan sanctioned	156000	20000	10000	20000	10000	4300
Amount of Gross Loan drawn upto 31.03.2004/COD ^{3,4,5,13,15}	156000	20000	10000	20000	10000	
Interest Type ⁶	Floting	Floting	Floting	Floting	Floting	
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest ⁷				PLR	SBM PLR	
Margin, if Floating Interest ⁸	No	No	No	Yes	No	Yes/No
Are there any Caps/Floor ⁹				Yes	Yes	
If above is yes,specify caps/floor				-2.50%	-2.75%	
Moratorium Period ¹⁰	39 months	36 Months	24 Months	18 Months	20 Months	
Moratorium effective from	26-03-2006	29-03-2007	24-01-2008	28-09-2007	18-02-2008	
Repayment Period ¹¹	12 Years	13 Years	10 Years	100 Months	10 Years	
Repayment effective from	COD	29-03-2007	24-01-2010	30-04-2009	30-09-2009	
Repayment Frequency ¹²	Annual	Quarterly	Monthly	Monthly	Monthly	
Repayment Instalment ^{13,14}	12	40	120	100	120	
Base Exchange Rate ¹⁶						

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Statement of Depreciation

Name of the Company

APGENCO

Name of the Power Station

Dr.NTTP-IV

Financial Year	2009-2010	2009-2011	2009-2012	2009-2013	2009-2014
1	4	5	6	7	8
Depreciation on Capital Cost	220300	220300	220300	220300	220300
Depreciation recovered during the Year	16963	16963	16963	16963	16963
Depreciation & Advance against Depreciation recovered during the year	16963	16963	16963	16963	16963
Cumulative Depreciation & Advance against Depreciation recovered upto the year	16963	33926	50889	67852	84815

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PART-I
FORM- 13A

Calculation of Return on Capital Employed

Name of the Company

APGENCO

Name of the Power Station

Dr.NTTPS -IV

(Amount in lacs)

Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6
Regulated Rate Base ¹	0.135	0.135	0.135	0.135	0.135
WACC ¹	242237	225267	208126	191000	173881
RoCE	32702	30411	28097	25785	23474

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PART-I
FORM- 14

Working Capital

Name of the Company

APGENCO

Name of the Power Station

Dr.NTTPS -IV

(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	3345	3345	3345	3345	3345
2	O & M expenses	474.00	555.00	577.00	600.00	624
3	Maintenance Spares	2303.00	2335.00	2475.00	2624.00	2781
4	Recievables	15917.00	15697.00	15355.00	15016.00	14679
	Total Working Capital	21940.00	21932.00	21753.00	21586.00	21430

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