

Summary Sheet

Name of the Company

APGENCO

Name of the Power Station :

Dr. NTTPS(6x210 Mw)

(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	93.7	72	72	72	72
1.2	Return on Capital Employed	250.61	212.53	202.14	191.78	181.45
1.3	O & M Expenses	162.61	185.18	192.59	200.29	208.31
	Total	506.92	469.71	466.73	464.07	461.76
2.Calculation of Rate of Energy Charge(Rs./kWh)¹						
2.1	Rate of Energy Charge from Primary Fuel (REC)p	2.035	1.23	1.23	1.23	1.23
2.2	Rate of Energy Charge from Secondary Fuel (REC)	0.055	0.05	0.05	0.05	0.05
2.3	Rate of Energy Charge ex-bus(REC)	2.09	1.28	1.28	1.28	1.28

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**PART-I
FORM-2**

Plant Characteristics

Name of the Company

APGENCO

Name of the Power Station

: Dr Narla Tata Rao Thermal Power Station (Dr.NTTPS)

Basic characteristics of the plant¹

Coal based thermal station(6x210 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	Module number or Unit number					
	1	2	3	4	5	6
Unit No.	1	2	3	4	5	6
Installed Capacity (IC)	210	210	210	210	210	210
Date of Commercial Operation (COD)	1.11.79	10.10.80	5.10.89	23.08.90	31.03.94	24.02.95

Type of cooling system ⁶	Once through cooling by river water along with Forced draught cooling towers in summer	Once through cooling by river water along with Forced draught cooling towers in summer	Once through cooling by river water along with Forced draught cooling towers in summer	Once through cooling by river water along with Forced draught cooling towers in summer	Once through cooling by river water along with Forced draught cooling towers in summer	Once through cooling by river water along with Forced draught cooling towers in summer
Type of Boiler Feed Pump ⁷	Motor driven	Motor driven	Motor driven	Motor driven	Motor driven	Motor driven

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Normative parameters considered for tariff computations

Name of the Company APGENCO

Name of the Power Station Dr.NTTPS (6x210 MW)

Particulars	Unit	Year Ending March	
		As per filings	As per APERC norms
-1	2	3	4
Rate of Return on Capital Employed	%	15	not mentioned
Target Availability	%	90.00%	80.00%
Target PLF	%	87.50%	80.00%
Auxiliary Energy Consumption	%	9.25	8.75
Gross Station Heat Rate	kCal/kWh	2500	2500
Specific Fuel Oil Consumption	ml/kWh	2	2
O&M Cost *	Rs.Lakh/MW	12.9(with 4% Escalation)	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	1	1
Liquid Fuel Stock for WC²	in Months	1	1
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 _____.	%	12.25	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.NTTPS (6x210 MW)**

(Amount in lakhs)

Particulars	Package1	Package2
1	2	3
Source of Loan ¹	PFC	LIC
Currency ²	Rupee	Rupee
Amount of Loan sanctioned	44665.25	20393.00
Amount of Gross Loan drawn upto 31.03.2005/COD ^{3,4,5,13,15}	27091.46	20393.00
Interest Type ⁶	Floating	Fixed
Fixed Interest Rate, if applicable		9.00%
Base Rate, if Floating Interest ⁷		
Margin, if Floating Interest ⁸	No	No
Are there any Caps/Floor ⁹	No	No
If above is yes,specify caps/floor	No	No
Moratorium Period ¹⁰	1 year	1 year
Moratorium effective from		
Repayment Period ¹¹	12 years	15 years
Repayment effective from		
Repayment Frequency ¹²	Quarterly	Annually
Repayment Instalment ^{13,14}		
Base Exchange Rate ¹⁶		

Statement of Depreciation

Name of the Company

APGENCO

Name of the Power Station

Dr.NTTPS (6 X 210 Mw)

(Rs in Lakhs)

Financial Year	Upto 2007-08	2008-09	2009-2010	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7	8
Depreciation on Capital Cost	284893	304275	304275	304275	304275	304275	304275
Depreciation recovered during the Year	9475	9418	9370	7200	7200	7200	7200
Depreciation & Advance against Depreciation recovered during the year	9475	9418	9370	7200	7200	7200	7200
Cumulative Depreciation & Advance against Depreciation recovered upto the year	183503	192921	202291	209491	216691	223891	231091

**PART-I
FORM- 13A**

Calculation of Return on Capital Employed

Name of the Company **APGENCO**

Name of the Power Station **Dr.NTTPS**

(Amount in lakhs)

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	167083	141688	134757	127850	120968
RoCE	25061	21253	20214	19178	18145

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**PART-I
FORM- 14**

Working Capital

Name of the Company APGENCO

Name of the Power Station Dr.NTTPS

(Amount in lakhs)

Sl. No.	Particulars	2009-10	2010-11	2011-12	2012-13	2013-14
1	2	3	4	5	6	7
1	Cost of Fuel	13958	8559	8559	8559	8559
2	O & M expenses	1355.00	1543.00	1605.00	1669.00	1736
3	Maintenance Spares	4050.00	4293.00	4551.00	4824.00	5113
4	Recievables	36365.00	25308.00	25259.00	25214.00	25176
	Total Working Capital	55729.00	39704.00	39973.00	40266.00	40584

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

Name of the Company

APGENCO

Name of the Power Station

Dr.NTTPS

Sl. No.	Month	Unit	Weighted average
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)	0.599192
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)	0.01687
3	Coal supplied by Coal/Lignite Company (1+2)	(MMT)	0.616062
4	Normative Transit & Handling Losses (For coal/Lignit based Projects)	(MMT)	0.000167
5	Net coal / Lignite Supplied (3-4)	(MMT)	0.615895
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.)	1543642488
			2506.32
15	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)	3367

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