**Annexure VI** 

Name of the Company: NTPC Ltd.

Name of the Power Station: NCTPS, Dadri (Rs. In Lakhs)

	Name of the Power Station:	NCTPS, Dadr	<u> </u>		(Rs. in Lakns	<u>)                                    </u>
Sl. No.	Items	2008-09	2009-10	2010-11	2011-12	2012-13
1	Consumption of stores & spares	2290.80	2861.99	2975.80	3741.43	5480.14
2	Repair & Maintenance	1843.10	1877.96	3116.94	6956.38	5444.17
3	Insurance	126.47	271.46	477.27	500.27	513.72
4	Security	999.94	1298.91	1318.73	1608.81	1913.26
	Water Charges	44.79	39.17	64.76	277.53	351.13
	Administrative Expenses					
	Rent	0.00	0.00	0.00	0.00	0.00
	Electricity charges	293.34	360.73	446.17	532.82	560.88
	Travelling & Conveyance	234.87	240.30	370.88	522.61	557.08
	Communication Expenses	52.93	62.77	108.07	88.49	97.20
	Advertising	4.67	6.21	39.35	4.28	5.98
	Foundation Laying & Inaugration	0.00	0.00	0.00	0.00	0.00
	Donation	0.00	0.00	0.03	0.00	0.00
	Entertainment	9.98	16.22	49.18	28.94	32.25
	Filing fee	2.02	16.80	34.77	36.40	72.80
	Subtotal (Administrative Expenses)	597.81	703.03	1048.45	1213.54	1326.18
	Employee Cost	337.01	703.03	1040.43	1215.54	1320.10
	- Salaries, Wages & Allowances	8183.28	7081.93	10736.96	11421.18	13308.76
	- Staff Welfare expenses	1295.25	1455.90	1264.96	1429.68	1774.52
	- Incentive	545.71	426.72	479.69	548.01	549.61
	- Expenditure on VRS	0.00	0.00	0.00	0.00	0.00
	- Ex-gratia	0.00	225.33	245.14	263.25	273.07
	- Performance Related Pay(PRP)	621.40	948.66	708.00	1250.37	1172.29
	Sub Total (Employee Cost)	10645.64	10138.54	13434.74	14912.49	17078.24
	Loss of Store	-23.99	0.00	0.00	0.00	0.00
	Provisions	78.00	116.01	71.96	46.76	11.62
	Prior Period Expenses	0.00	0.00	0.00	0.00	0.00
	Corporate Office expenses allocation	2095.32	1946.55	4617.21	4785.99	4683.58
	Others	2033.32	1940.55	4017.21	4783.33	4003.30
	Rates & Taxes	2.73	2.18	-1.79	1.77	2.97
	Water cess	28.12		53.18		
	Training & recruitment expenses	54.87	24.85	104.54	71.19	126.03
	Tender Expenses	35.98	59.14	96.39	85.76	39.95
	Guest house expenses	36.03	42.05	66.70	74.01	57.02
	Education expenses	76.27	124.90	227.38	80.41	55.84
	Community Development Expenses	37.32	68.09	42.78	179.84	279.39
	Ash utilisation expenses	2.55	8.37	18.83	57.91	170.84
	Books & Periodicals	3.57	3.15	6.57	37.91	2.92
	Professional Charges	12.20	11.97	27.60	15.42	13.68
	Legal expenses	9.01	27.07	-11.11	26.06	20.49
	EDP Hire & other charges	19.81	33.34	19.61	18.91	14.47
	Printing & Stationery	19.81	24.97	48.71	37.67	28.56
	Misc and other Expenses	329.39	199.24	1238.40	792.61	1065.27
	Sub Total (Others)	667.00	656.69	1937.79	1503.54	1927.21
	(Total 1 to 12)	19364.87	19910.33	29063.66	35546.73	38729.26
	Revenue / Recoveries	55.00	55.96	76.07	87.18	80.58
	Net Expenses	19309.87	19854.37	28987.59	35459.56	
	Capital spares consumed	261.18	114.21	335.71	564.66	873.32
	Total O&M Cost	19571.05	19968.57	29323.30	<b>36024.22</b>	39 <b>522.00</b>
	Expenditure of Capital nature as per accounting	15571.05	15500.57		33024.22	33322.00
	practice not claimed/ disallowed in capital cost	0.00	475.43	25.07	2.35	
17	IDLACIICE IIOL CIAILIEUZ INSAIIOWED III SAIIISI				7.11	
	Total O&M Cost incluidng SI No. 17 above	19571.05	20444.00	29348.37	36026.57	39522.00

## Note:

- 1) Prior period expenses have been inculed in their natural head
- 2) Ex gratia has been incuded in PRP for the year 2008-09
- 3) Employee cost includes arrears
- 4) For 2012-13, data in respect of SI No.17 shall be submitted later

# ANNEXURE-I Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis/ Methodology
	Name of Company				NTPC LTD		,	, and the state of
	Name of Station				NCTPS DADR	I		
		MW		1	820 (210x4+490			
	Rated Steam Parameters (Also state the type of Steam							
	turbine and Boiler			Sub-ci	ritical, BHEL/KWI	Design		
5	Type of BFP		Electri	cal Driven for	4x210MW / Stea	m Driven for 2x4	190MW	
	Circulating Water System							
7	Any other Site specific feature							
8	Fuels:							
8.1	Main Fuel:				Coal			
			Annual allocation	n through FSA	A =8.43 MMT(182	20 MW), (FSA fo	or 4.03 MMT	
			signed recently)		`	<i>,,</i> ,		Requirement has been worked out for
8.1.1	Annual Allocation or/ and Requirement	МТ	Annual requiren		MT( 1820 MW)			90% PLF
	·				h Central Coal fie	elds Limited (CC	EL)	
	Sources of supply/ procurement along with contracted		Annual contrac	ted quantity -	8.43 MMT			
0	quantity and grade of coal		1			-CA :- F		
8.1.2.1	FSA	MT	1 4 4 4		of coal as per F		7 4 7	
	Imported	MT	4.44 0.37	4.40 0.43	6.47 0.78	7.12 1.69	7.17 1.21	+
		MT	0.00	0.43	0.00	0.00	0.00	
	Transportation Distance of the station from the sources of		0.00	0.00	1150	0.00	0.00	
	Mode of Transport	INII			IR			
	Maximum Station capability to stock main fuel	Days & MT		3(	0 days & 7.03 lac	MT		
	Secondary Fuel:	Dayo a mi			o dayo a r.oo lac	1411		
	Annual Requirement	klitre	Since NCPS is	utilising two t	ypes of secondar	v fuel details a	re given helow	
	Sources of supply	Kild C		O (HPCL/BPC				
0.2.2	Transportation Distance of the station from the sources of		+	70 (111 OL) DI C	<i>(2) (2) (3) (3) (3) (3)</i>	(100) ,rtoyan oo	iji di	
8.2.3		Km		LDO (Approx	80 km) & HFO (/	Approx 1000km)		
	Mode of Transport			- (	Rail/ Road	,		
	•	klitre	30320		30	820		
9	Cost of Spares:							
9.1	Cost of Spares capitalized in the books of accounts (St-I)	(Rs. Lakh)	406	379	351	675		2012-13 data to be submitted later
	Cost of Spares capitalized in the books of accounts (St-II)	(Rs. Lakh)		11	1395	5116		
	Cost of spares included in capital cost for the purpose of							
9.2		(Rs. Lakh)	0	0	0	0		
	Cost of spares included in capital cost for the purpose of	(De Lakt)		4.4	4005	5440		
10		(Rs. Lakh)	+	11	1395	5116	-	
	Generation  Actual Cross Constrains at generator terminals (Commerce	iol Cotae viice\	+		<u> </u>			
	Actual Gross Generation at generator terminals (Commerc	MU	7311	7402	6789	6392	6363	
	0		7311					
	Stage-2	MU	<del> </del>	391	5260	7832	6730	
	Actual Net Generation Ex-bus	MU	0747	0704	0457	5005	E040	
	Stage-1	MU	6747	6791		5835		
10.2.2	Stage-2	MU		368	5035	7468	6406	

ANNEXURE-I
Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

1 Nam 2 Nam 10.3 Sche 10.3.1 Stag 10.3.2 Stag 11 Aver 11.1 Stag 11.2 Stag 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	me of Company me of Station  deduled Generation Ex-bus ge-1 ge-2 grage Declared Capacity (DC) ge-1 ge-2 gual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 gual Energy supplied to Colony from the station in Fuel: insumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MU MW MW MW	2008-09 6645 774 564	360 779 259	NTPC LTD NCTPS DADR 5887 4844 758 650	5799 7555 741 923	5936 6582 755 845	
2 Nam 10.3 Sche 10.3.1 Stag 10.3.2 Stag 11 Aver 11.1 Stag 11.2 Stag Actu 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Import 14.2 Gross	me of Station  meduled Generation Ex-bus ge-1 ge-2 grage Declared Capacity (DC) ge-1 ge-2 ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: insumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MW MW MU MU	774 564	360 779 259 604	5887 4844 758 650	5799 7555 741 923	6582 755	
10.3 Sche 10.3.1 Stag 10.3.2 Stag 11 Aver 11.1 Stag 11.2 Stag Actu 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Import 14.2 Gross	needuled Generation Ex-bus ge-1 ge-2 erage Declared Capacity (DC) ge-1 ge-2 ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: insumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MW MW MU MU	774 564	360 779 259 604	5887 4844 758 650	5799 7555 741 923	6582 755	
10.3.1 Stag 10.3.2 Stag 11 Aver 11.1 Stag 11.2 Stag Actu 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-1 ge-2 erage Declared Capacity (DC) ge-1 ge-2 ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: issumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MW MW MU MU	774 564	360 779 259 604	4844 758 650	7555 741 923	6582 755	
10.3.2 Stag 11 Aver 11.1 Stag 11.2 Stag Actu 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-2 ge-1 ge-2 ge-1 ge-2 ge-1 ge-2 ge-1 ge-1 ge-1 ge-1 ge-1 ge-1 ge-1 ge-1	MW MW MU MU	564	779 259 604	758 650	741 923	755	
11.1 Stag 11.2 Stag Actu 12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-1 ge-2 ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: asumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MU	564	259 604	650	923		
11.2 Stag	ge-2 ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MU	564	259 604	650	923		
12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ual Auxiliary Energy Consumption including colony sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU MU		604			845	
12 cons 12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	sumption ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU			542			
12.1 Stag 12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-1 (including colony) ge-2 ual Energy supplied to Colony from the station in Fuel: insumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU			542			
12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-2 ual Energy supplied to Colony from the station in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU			542			
12.2 Stag 13 Actu 14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	ge-2 ual Energy supplied to Colony from the station in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)		18.62			484	484	
14 Mair 14.1 Cons 14.1.1 Dom 14.1.2 Impo	in Fuel: sumption: mestic Coal (Linked miine/ Other mines/e-auction/spot)	MU	18.62	. 20		437	392	
14.1 Cons 14.1.1 Dom 14.1.2 Impo 14.2 Gros	nsumption : mestic Coal (Linked miine/ Other mines/e-auction/spot)			20.77	22.52	22.30	22.79	
14.1.1 Dom 14.1.2 Impo 14.2 Gros	mestic Coal (Linked miine/ Other mines/e-auction/spot)							
14.1.1 Dom 14.1.2 Impo 14.2 Gros	mestic Coal (Linked miine/ Other mines/e-auction/spot)							
14.1.2 Impo 14.2 Gros	· · ·	MT	4342472	4375172	6522017	7189692	7145202	
14.2 Gros	orted Coal*	MT	277108		849419		1283601	
	ss Calorific Value (GCV):				0.10.1.0	1000101		
1 14.2.1 IDOM	` /	kCal/kg						
		kCal/kg						
14.2.2 Impo	` ′	kCal/kg	6232	6216	6159	6169.83	6262	
<del></del>	, ,	kCal/kg	5.2.2	33	5_5	0.00100		
	· · · · ·	kCal/kg						
	, ,	kCal/kg	3778	3845	3902	3852	3718	
	ce of Coal:	<u> </u>						
	ighted Average price of Domestic coal	(Rs/MT)	2308.3	2692.5	2810.7	2925.6	3341.8	
	0 0	(Rs/MT)	7787.5				7960.0	
		(Rs/MT)						
14.3.4 Weig	ighted Average price of all the Coals (as received)	(Rs/MT)	2748.4	3159.0	3415.0	4146.5	4045.1	
14.4 Blen	nding:	% and MT						
14.4.1 Blen	nding ratio of imported coal with domestic coal		6.0%	9.7%	11.5%	18.8%	15.2%	Imported/ Total Coal consumption
14.4.2 Prop	portion of e-Auction coal in the blending							
14.4.3 Actu	ual Average stock maintained	MT	128353	187810	312626	129368	77338	
14.5 Actu	ual Transit & Handling Losses for coal/Lignite							
	Head Station							
	nsit loss from linked mines							
	nsit loss from non-linked mines including e-auction							
14.5.1.2 coal 14.5.1.3 Tran	nsit loss of imported coal							
	n-Pit Head station							
	nsit loss from linked mines		0.73%	0.76%	0.74%	0.75%	0.77%	
	nsit loss from non-linked mines including e-auction coal	mines.	0.7070	3.7 3 70	5.7 470	0.7070	0.1.70	
	nsit loss of imported coal		0.37%	0.24%	0.23%	0.19%	0.18%	
	ondary Fuel Oil :		5.5. 70	5.2.770	3.2370	3.1370	5570	

## ANNEXURE-I

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis/ Methodology
1	Name of Company			•	NTPC LT	D	•	
2	Name of Station				NCTPS DAI			
15.1	Consumption	klitre	NTPC Dadri uses two types of Secondary fuel					
15.2	Weighted Average Gross Calorific value (As received)	kCal/kg(litre)		Detai	il is given below	(Annexure)		

ANNEXURE-I
Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis/ Methodology
1	Name of Company				NTPC LTD			
2	Name of Station				NCTPS DADR	<u> </u>		
15.3	Weighted Average Price LDO	(Rs Per KL)	33199.84	37035.31	40795.35	44807.86	54625.40	
	Weighted Average Price HFO	(Rs Per KL)	39198.99	27149.58	27693.72	31298.14	36475.40	
	Weighted Average Price of all the Oils	(Rs Per KL)	37865.36	30385.11	29164.35	34450.33	41557.07	'
15.4	Actual Average stock maintained	klitre						
16	Weighted average duration of outages:							
16.1	Scheduled Outages	MU	197.97	192.98	966.4	352.81	953.2	
16.2	Forced Outages	MU	69.8	264.43	462.82	585.18	381.32	
16.3	Number of trippings	No	6	21	51			
16.4	Number of start-ups :	No	25	32			64	
16.4.1	Cold Start-up	No	9	7	20		24	
16.4.2	Warm Start-up	No	7	2			5	
16.4.3	Hot start-up	No	9	23	41	34	35	
17	NOx , SOx ,and other particulate emission in :							
17.1	Design value of emission- NOx	mg/Nm <sup>3</sup>			NA			No norm; not considered in design
	Design value of emission- SOx	mg/Nm <sup>3</sup>			NA			No norm; not considered in design
	Design value of emission- SPM (St-I)	mg/Nm <sup>3</sup>			150			
	Design value of emission- SPM (St-II)	mg/Nm <sup>3</sup>			100			
17.2	Actual emission (SPM)- St-I	mg/Nm <sup>3</sup>	75-131	68-126	77-130	74-130	72-130	
17.3	Actual emission (SOx)	mg/Nm <sup>3</sup>	420-579	417-649	489-652	348-580	433-698	3
17.4	Actual emission (NOx)	mg/Nm <sup>3</sup>	184-252	152-260	202-293	215-480	215-426	5
17.2	Actual emission (SPM)- St-II	mg/Nm <sup>3</sup>				78-98	70-98	
17.3	Actual emission (SOx)	mg/Nm <sup>3</sup>				465-710	461-730	
17.4	Actual emission (NOx)	mg/Nm <sup>3</sup>				219-577	230-556	
19	Detail of Ash utilization % of fly ash produced	Quantity Produced (Lakh	16.23	17.39	25.5	30.1	27.44	
19	, ,	MT)	10.23	17.59	25.5	30.1	27.44	
19.1	Conversion of value added product(Issue to Cement, RMC & Brick /block industries)	%	59.53	63.01	57.55	55.16	71.40	
19.2	For making roads & embarkment	%	0.00	15.18	13.46	5.25	0.81	
19.3	Land filling	%	14.27	11.21	11.39	14.26	14.53	
19.4	Used in plant site in one or other form or used in some other site (Mine filling & Ash dyke raising)	%	0.00	0.00	0.00	0.00	0.00	
19.5	Any other use , Please specify (Agriculture, Bottom ash cover etc.)	Qty. (Lakh M T) and usage	0.00	0.00	0.00	0.00	0.00	
20	Cost of spares actually consumed	Rs Lakh	2419.3	2778.7	3093.7	4087.3	6081.2	
21	Average stock of spares	Rs Lakhs	7462.5	7372.8			10833.6	
22	Number of employees deployed in O&M							
22.1	Executives		372	421	490	523	510	
22.2	Non Executives		585	568		570	559	
22.3	Corporate office		3205	3272				Total Corporate Man Power
23	Man-MW ratio		1.14	0.74	0.57	0.6	0.59	Excluding Corporate Man Power

Note:

#### ANNEXURE-I

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis/ Methodology
1	Name of Company			-	NTPC LTD	-		
2	Name of Station				NCTPS DADR	I		

From Oct/ Nov 2012 onwards payment to coal companies is being made on the basis of GCV as received at plant boundary. As per FSA, payment is to be made as per the quality assessed at mine end. Accordingly substantial amount billed by Coal companies are yet to be paid. Prices indicated above reflect the payment being made to Coal Companies.

GCV of Domestic Coal as received is being measured only from Oct/Nov 2012

## ANNEXURE-I

Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis/ Methodology
1	Name of Company							
2	Name of Station				NCTPS DAD	रा		

### Annexure

8.2	Secondary fuel consumption		2008-09	2009-10	2010-11	2011-12	2012-13				
8.2.1	Annual Requirement										
	HFO	klitre	9933.8	6008.7	9801.2	10791.1	10761.7				
	LDO	klitre	3311.3	2002.9	3267.1	3597.0	3587.2				
8.2.2	Sources of supply		<u> </u>								
	HFO		IOC Koyali Gujrat								
	LDO				HPCL/BPCL De	lhi					
	Transportation Distance of the station from the sources of										
8.2.3	supply										
	HFO	km	Approx 1000km								
	LDO	km			Approx 80 km						
8.2.4	Mode of Transport										
	HFO		Rail								
	LDO				Road						
8.2.5	Maximum Station capability to stock secondary fuels										
	HFO	klitre			30000						
	LDO	klitre	320	320	820	820	820				
15	Secondary Fuel Oil :										
15.1	Consumption										
	HFO	MT	762.66	1843.4	5666.71	1756.6	2108.25				
	LDO	MT	246.125	896.87	716.5	534.6	819.8				
15.2	Weighted Average Gross Calorific value (As received)										
	HFO	kCal/kg(litre)	9996	9852	9801	9808	9847				
	LDO	kCal/kg(litre)	9452	9539	9467	9334	9536				
15.4	Actual Average stock maintained										
	HFO	klitre	2543	7827	7374	7444	5843				
	LDO	klitre	159	443	656	679	649				