Name of the Company: NTPC Ltd.

Name of the Power Station: Singrauli STPS (Rs. In Lakhs)

_	Name of the Power Station:	Singrauli ST	PS		(Rs. In Lakhs	5)
Sr. No.	Items	2008-09	2009-10	2010-11	2011-12	2012-13
1	Consumption of stores & spares	4698.16	5775.03	5859.96	6297.05	7457.19
2	Repair & Maintenance	3226.15	3832.68	4311.85	5154.75	5873.22
3	Insurance	287.80	484.41	540.54	592.43	590.00
4	Security	977.51	1152.82	1212.93	1503.23	1685.62
	Water Charges	717.86	770.64	770.64	770.64	770.64
	Administrative Expenses					
	Rent	0.00	0.00	0.00	0.00	0.00
	Electricity charges	266.63	302.09	380.71	402.73	345.58
	Travelling & Conveyance	486.15	479.43	548.52	680.62	693.52
	Communication Expenses	72.90	70.27	89.33	95.55	116.94
	Advertising	7.92	6.05	5.09	3.64	12.99
-	Foundation Laying & Inaugration	0.00	0.00	0.00	0.00	0.00
	Donation					
<b></b>		0.00	0.00	0.00	0.00	0.00
	Entertainment	23.64	19.04	40.61	32.50	33.57
6.9	Filing fee	0.00	40.00	40.00	40.00	80.00
	Subtotal (Administrative Expenses)	857.24	916.88	1104.26	1255.03	1282.60
	Employee Cost					
	- Salaries, Wages & Allowances	14895.68	12534.93	16320.45	15298.17	17449.83
	- Staff Welfare expenses	1388.00	1667.32	1363.18	1074.74	1660.22
7.3	- Incentive	653.37	899.77	769.40	631.06	801.71
7.4	- Expenditure on VRS	0.00	0.00	0.00	0.00	0.00
7.5	- Ex-gratia	0.00	470.40	488.41	496.93	455.65
7.6	- Performance Related Pay(PRP)	893.02	804.76	760.13	1208.53	1142.45
	Sub Total (Employee Cost)	17830.08	16377.18	19701.57	18709.43	21509.87
8	Loss of Store	0.32	0.52	0.00	0.48	0.35
9	Provisions	135.63	1.38	0.95	24.99	36.46
10	Prior Period Expenses	0.00	0.00	0.00	0.00	0.00
	Corporate Office expenses allocation	4988.89	4527.94	5578.09	5256.63	5145.79
	Others	1000100			0 - 0 0 10 0	
	Rates & Taxes	13.25	9.07	21.42	6.59	14.63
<b>—</b>	Water cess	457.65	468.29	487.01	447.51	466.28
	Training & recruitment expenses	87.29	51.52	81.93	78.05	54.50
	Tender Expenses	70.07	81.67	61.95	47.55	46.48
	Guest house expenses	36.04	37.76	41.32	41.55	81.34
	Education expenses	149.26	154.39	148.75	12.38	29.42
	·					
	Community Development Expenses	59.15	26.64	64.19	194.17	250.30
	Ash utilisation expenses	1.00	5.08	4.03	0.97	9.75
	Books & Periodicals	1.30	14.03	4.62	4.84	3.72
	Professional Charges	6.22	20.37	39.53	20.58	40.09
	Legal expenses	11.40	14.24	12.52	18.08	13.18
	EDP Hire & other charges	62.38	52.95	40.64	45.71	35.02
	Printing & Stationery	27.11	30.67	51.59	64.56	46.69
12.14	Misc and other Expenses	229.98	250.17	1053.62	597.44	689.88
	Sub Total (Others)	1212.10	1216.85	2113.12	1579.97	1781.29
13	(Total 1 to 12)	34931.74	35056.33	41193.91	41144.63	46133.03
14	Revenue / Recoveries	290.85	305.39	320.23	315.02	319.98
15	Net Expenses	34640.89	34750.94	40873.68	40829.60	45813.05
16	Capital spares consumed	900.94	1724.39	1250.57	1802.86	3512.72
	Total O&M Cost	35541.83	36475.33	42124.25	42632.46	49325.77
	Expenditure of Capital nature as per accounting					
17	practice not claimed/ disallowed in capital cost	536.92	1922.41	1446.52	1365.03	
	Total O&M Cost incluidng SI No. 17 above	36078.75	38397.74	43570.76	43997.49	49325.77
	No. of Employee opting for VRS	0.00	0.00	0.00	0.00	0.00
Note:	Is a Vara albanid service	1 2.30	3.33	2.00	3.00	3.30

## 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

ANNEXUR	E-I							
							0010 0010	
<u>'ro-forma</u>	furnishing Actual annual performance/operational data for the co	al /lignite based the	ermal generatin T	g stations for ti	ne 5 year period	from 2008-09 t I	o 2012-2013 T	
	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis of information/ methodology
1	Name of Company			1-000	NTPC Ltd.			j
2	Name of Station			Singrauli Su				
3	Installed Capacity and Configuration	MW		20	00 (200X5+500	X2)		
4	Rated Steam Parameters (Also state the type of Steam turbine	Steam Parameters	200MW	130/535	500MW	170/537		
	and Boiler	Steam Turbine	200MW			BHEL/KWU		
		Boiler	200MW			BHEL/CE	ļ	
5	Type of BFP		20	00MW: Electric	al Driven / 500M	W Steam Driv	en	
6	Circulating Water System		014.5		Open cycle	al D.L. P.	001	
7	Any other Site specific feature		CW Pur	nping distance	of 1.5km; New A	sh Dyke distar	ice 20km	
8	Fuels:							
8.1	Main Fuel:				Coal			
8.1.1	Annual Allocation or/ and Requirement	MT	Annual allocati Annual require	ement = 11.20				Requirement has been worked out for 90% PLF
	Sources of supply/ procurement along with contracted quantity and grade of coal		_	Norther				
8.1.2			An	nual contracte				
0.4.0.4		NAT.	Grade of coal as per FSA is C- E					
	FSA Imported	MT MT	11.47 0.00	11.10 0.00	11.79 0.33	10.92 0.19	11.39 0.00	
8.1.2.3	Spot Market/e auction	MT	0.00	0.00	0.00	0.00	0.00	
0.1.2.0	Transportation Distance of the station from the sources of	IVII	0.00	0.00				
8.1.3	supply	km						
8.1.4	Mode of Transport				MGR			
8.1.5	Maximum Station capability to stock main fuel	Days & MT		27	days & 8.4 Lac	MT		
8.2	Secondary Fuel:				HFO Oil			
8.2.1	Annual Requirement	klitre			5000			
8.2.2	Sources of supply				IOCL			
8.2.3	supply	km			1000			
8.2.4	Mode of Transport							
8.2.5	Maximum Station capability to stock secondary fuels	klitre						
9	Cost of Spares:							
9.1	Cost of Spares capitalized in the books of accounts	(Rs. Lakh)	2802	5632	2839	1854		2012-13 data to be submitted later
9.2	Cost of spares included in capital cost for the purpose of tariff	(Rs. Lakh)	0	С	0	0		
10	Generation							
10.1	Actual Gross Generation at generator terminals (Station Total)	MU	15893.43	16264.42	16913.15	15584.51	16193.94	
10.2	Actual Net Generation Ex-bus	MU	14762.98					
10.3	Scheduled Generation Ex-bus	MU	14662.76					Based on REA
11	Average Declared Capacity (DC)	MU	14693.06					Based on REA
11.1	Average Declared Capacity (DC)	MW	1677.29	1714.84	1805.58	1661.08	1744.68	

ANNEXUR								
		•	<u>,</u>	-	-			
Pro-forma	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  Actual Auxiliary Energy Consumption including colony							
40	, , , , , , , , , , , , , , , , , , , ,	N 41 1	4420.45	1100.00	4000 F0	4440.74	4450 40	
12 13	consumption Actual Energy supplied to Colony from the station	MU MU	1130.45 24.02	1166.00 25.25	1220.53 25.12	1116.71 25.01	1158.10 26.11	
		IVIU						
14	Main Fuel:		Coal	Coal	Coal	Coal	Coal	
14.1	Consumption:		11313300	11298712	12006983	11031140.05	11313665	
14.1.1	Domestic Coal (Linked milne/ Other mines/e-auction/spot)	MT	11313300	11298712	11684866	10844821	11313665	
14.1.2	Imported Coal	MT	0	0	322117	186319	0	
14.2	Gross Calorific Value (GCV):							
14.2.1	Domestic Coal (As received)	kCal/kg						
	(As fired)	kCal/kg						
14.2.2	Imported Coal (As received)	kCal/kg			6264	6039		
14.2.3	Spot market/e-auction coal (As received)	kCal/kg						
14.2.4	Weighted Average Gross Calorific value (As received)	kCal/kg	-					
14.2.5	   Weighted Average Gross Calorific value (As fired)	kCal/kg	3358	3441	3367	3371	3418	
14.3	Price of Coal:	, and the second						
14.3.1	Weighted Average price of Domestic coal	(Rs/MT)	1192.23	1344.67	1519.8	1546.79	1429.69	
	Weighted Average price of imported coal	(Rs/MT)	NIL	NIL	8825.37	6088.32	NIL	
14.3.3	Weighted Average price of spot market/ e-auction coal	(Rs/MT)	NIL	NIL	NIL	NIL	NIL	
14.3.4	Weighted Average price of all the Coals (as received)	(Rs/MT)	1192.23	1344.67	1710.44	1680	1429.69	
14.4	Blending:	% and MT						
14.4.1	Blending ratio of imported coal with domestic coal	%	0.00%	0.00%	2.68%	1.69%	0.000/	Imported/ Total coal Consumption
14.4.1	Proportion of e-Auction coal in the blending	70	0.00%	0.00%	2.00%	1.09%	0.00%	Imported/ Total coal Consumption
14.4.3	Actual Average stock maintained	MT	218155.1	565995.2	191940.2	384415.5	3/11/18 0	Average of monthly closing stock
			210133.1	303993.2	191940.2	304413.3	341140.0	Average of monthly closing stock
14.5	Actual Transit & Handling Losses for coal/Lignite	(%)						
14.5.1	Pit- Head Station							
14.5.1.1	Transit loss from linked mines	MT	0.12%	0.14%	0.19%	0.02%	0.20%	
14.5.1.2	Transit loss from non-linked mines including e-auction coal	MT						
	mines. Transit loss of imported coal	MT			0.18%	0.12%		
		IVII			0.1676	0.12/0		
14.5.2	Non-Pit Head station	N AT						
14.5.2.1	Transit loss from linked mines	MT						
	Transit loss from non-linked mines including e-auction coal mi							
	Transit loss of imported coal	MT	+					
15	Secondary Fuel Oil :	1.11.						
15.1	Consumption	klitre	4682	3850	4098	10177	3381	
15.2	Weighted Average Gross Calorific value (As received)	kCal/kg(litre)	9979	9980	9978	9980	9981	
15.3	Weighted Average Price	Rs/ KI	36006	30552	31347	41904	44120	
15.4	Actual Average stock maintained	k litre	3485	3366	3270	3070	3802	Average of monthly closing stock
16	Weighted average duration of outages							
16.1	Scheduled Outages	MU	1021.1	1066.7	533.0	1050.7	1159.1	
16.2	Forced Outages	MU	881.4	617.7	366.5	736.8	425.5	

ANNEXUR	E-I							
Pro-forma								
16.3	Number of trippings	No	20	21	13	34	28	
16.4	Number of start-ups :	No	52	60	45	71	59	
16.4.1	Cold Start-up	No	31	42	37	50	31	
16.4.2	Warm Start-up	No	8	3	4	4	10	

ANNEXUR	E-I							
<b>5</b> (		1.79			-	0000 00 1	0040 0040	
<u>Рго-тогта</u> 16.4.3	furnishing Actual annual performance/operational data for the collinois Hot start-up	No	rmai generating 13	stations for the	e 5 year period fi 4	rom 2008-09 to 17	2012-2013 18	
17	NOx , SOx ,and other particulate emission in :							
17.1	Design value of emission- NOx	mg/Nm <sup>3</sup>	I		NA			No norm; not considered in design
	Design value of emission- SOx	mg/Nm <sup>3</sup>		No norm; not considered in design				
	Design value of emission- SPM (St-I)	mg/Nm <sup>3</sup>			300			
	Design value of emission- SPM (St-II)	mg/Nm <sup>3</sup>			367.5			
17.2	Actual emission (SPM)-St-I	mg/Nm <sup>3</sup>	99-136	116-137	119-138	112-134	120-137	
17.3	Actual emission (SOx)	mg/Nm <sup>3</sup>	711-860	703-829	703-829	705-780	700-763	
17.4	Actual emission (NOx)	mg/Nm <sup>3</sup>	402-465	401-450	318-442	401-443	400-467	
17.2	Actual emission (SPM)- St-II	mg/Nm <sup>3</sup>	120-143	118-141	123-139	118-139	123-139	
17.3	Actual emission (SOx)	mg/Nm <sup>3</sup>	745-893	707-805	708-838	707-776	707-770	
17.4	Actual emission (NOx)	mg/Nm <sup>3</sup>	409-508	389-439	310-486	412-449	400-436	
19	Detail of Ash utilization % of fly ash produced	Quantity Produced (Lakh MT)	37.29	35.84	40.49	37.93	37.77	,
19.1	Conversion of value added product(Issue to Cement, RMC & Brick /block industries)	%	8.92	10.25	9.22	8.24	8.70	
19.2	For making roads & embarkment	%	0.00	0.00	0.00	0.00	0.00	
19.3	Land filling	%	6.57	39.17	32.15	26.59	0.38	
19.4	Used in plant site in one or other form or used in some other site (Mine filling & Ash dyke raising)	%	0.00	9.17	0.00	0.66	33.53	
19.5	Any other use, Please specify (Agriculture, Bottom ash cover etc.)	Qty. (Lakh MT) and usage	1.68	5.16	7.55	9.78	6.57	
20	Cost of spares actually consumed	Rs Lakh	5487.31	7366.00	6478.26	7959.55	10784.02	
21	Average stock of spares	Rs Lakh	14664	15093	13553	13493	13875	
22	Number of employees deployed in O&M							
22.1	Executives		474	472	480	484	477	
22.2	Non Executives		1142	1097	1033	972	875	
22.3	Corporate office		3205	3272	3298	3354		Total Corporate Man Power
23	Man-MW ratio		0.81	0.78	0.76	0.73	0.68	Excluding Corporate Man Power

## Note

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