	for furnishing Actual annual performance/operational data for the coal/lignite base						
S.N	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22
1	Name of Company		NTPC				
2	Name of Station/ Pit head or Non- Pit head		DADRI-TH/NON	PIT HEAD			
	Stage		STAGE I				
3	Installed Capacity and Configuration	MW	840 (4X210)				
			Unit#1: 01/01/19	93,			
			Unit#2: 01/02/19	94,			
3.1	Date of Commercial Operation - Unit Wise		Unit#3: 01/04/19	95.			
			Unit#4: 01/12/19	95 [°]			
3.2	Effective COD	+	01-12-1995				
3.2	Make of Turbine			WEDK LINION D	ESIGN & Boiler-E	חבו /	
	IMAKE OF TUIDINE					החבר) , BHEL make KW	III decian Steem
4	Rated Steam Parameters (Also state the type of Steam turbine and Boiler)					, DHEL IIIAKE KVV	o design Steam
	T (DED			nake CE design E	solier.		
5	Type of BFP		Electrical Driven				
	Quantity		3				
6	Circulating water system		Closed Cycle				
7	Any other Site specific feature		NDCT				
	Unit heat rate	kCal/kWh	2273.77				
	Boiler efficiency	%	87.30%				
	Turbine cycle heat rate	kCal/kWh	1985.00				
8	Fuels:						
8.1	Primary Fuel:		Coal				
8.1.1	Annual Allocation under FSA	ММТ	Annual allocation Annual allocation	with CCL -4.4 mith CCL I -1.31 mith ECL -1.50 mith BCCL -0.8	MMT MMT		
	Annual Consumption	LMT	28.29	28.22	15.91	5.36	12.2
	Annual Requirment at NAPAF	LMT	39.72	39.30	40.54	40.45	39.5
8.1.2	Sources of supply/ procurement along with contracted quantity and grade of coal		8.01 MMT, CCL: G7 - G10 ECL: G10 & abo	ve	, ,	l, Pakri Barwadih, ing coal G5 to G1	
8.1.2.1	FSA LoA	LMT	61.57	74.26	43.67	19.73	37.0
0.1.2.1	MoU	LMT					
8.1.2.2	Imported	LMT	-	0.60	3.38	0.35	2.2
8.1.2.	Spot Market/e-auction	LMT					
8.1.3	Transportation Distance of the station from the sources of supply	KM		ECL-1226-1284	I, CCL-1146-1198	B, BCCL-1160-122	24
8.1.4	Mode of Transport				Rail Mode	,	
8.1.5	Maximum Station capability to stock primary fuel (for days consider availability as NAPAF)	Days & LMT			29 Days & 7 LN	/IT	
8.1.6	Maximum stock maintained for primary fuel	MT	4,17,470	5,47,324	9,07,383	9,12,015	4,56,93
0.1.0	Date	1	02.04.2017		31.03.2020	01.04.2020	08.12.202
8.1.7	Minimum Stock maintained for primary fuel	MT	02.04.2017	31.03.2019	2,79,788	2,44,800	28
0.1.7	Date	IVII	17.10.2017	27.10.2018	05.11.2019	31.03.2021	11.10.202
8.1.8	Average stock maintained for primary fuel	MT	1,35,110		6,22,678	5,14,241	2,38,07
		IVI I	1,35,110	1,21,000	0,22,078	5,14,241	2,38,07
8.2	Secondary Fuel:	127			7074.0		
8.2.1	Annual Allocation/ Requirement	KL			7971.6	21	
8.2.2	Sources of supply	1			BPCL/HPCL/IO	<u>الـ</u>	
8.2.3	Transportation Distance of the station from the sources of supply	KM	1		1000		

8.2.4	Mode of Transport					Rail		
8.2.5	Maximum Station capability to stock seconda	ary fuels	KL			15838		
8.2.6	Maximum Stock of secondary oil actually ma	aintained	KL	8522	6017	5747	5806	6034
8.2.7	Minimum Stock of secondary oil actually ma	intained	KL	5843	2754	1737	2965	2153
8.2.8	Average Stock of secondary oil actually mai	ntained	KL	7164	4596	3651	4541	3912
9.	Cost of Spares :			-				
9.1	Cost of Spares capitalized in the books of ac	counts	(Rs. Lakh)	1,956.37	2,214.26	2,181.57	998.11	2,347.97
9.2	Cost of spares included in capital cost for	the purpose of tariff	(Rs. Lakh)	-	-	_	-	-
9.3	Initial spares-list, quantity and cost		(Rs. Lakh)	-	-	-	-	-
9.4	Maintenance spares - cost		(Rs. Lakh)	3,463.57	3,747.19	3,904.49	4,229.05	4,639.34
9.5	Other spares procured with high lead procure	ement time	(Rs. Lakh)					
10	Generation :							
10.1	-Actual Gross Generation at generator te	rminals	MU	4,293.26	4,330.19	2,324.70	770.22	1,826.84
10.2	-Actual Net Generation Ex-bus		MU	3,916.59	3,947.88	2,088.74	643.50	1,616.67
10.3	-Scheduled Generation Ex-bus		MU	4,028.15	4,019.37	2,117.74	712.82	1,683.96
11	Average Declared Capacity (DC)		MW	711.81	693.91	764.66	751.56	623.10
		DC Peak HD %	%	-	-	-	99.50	86.59
		DC Off Peak HD %	%	-	-	-	99.76	86.54
		DC Peak LD %	%	-	-	-	97.13	79.27
		DC Off Peak LD %	%	-	-	-	97.13	79.21
	Actual Declared Capacity	•	MU	6,235.45	6,078.62	6,716.81	6,583.66	5,458.36
	Deemed Declared Capacity		MU			·		·
12	Actual Auxiliary Energy Consumpti	on excluding colony	MU	357.33	361.52	216.32	108.13	192.63
13	Actual Energy supplied to Colony from the st	ation	MU	19.34	20.20	19.24	18.46	17.49
	Actual energy supplied to construction activit	ies	MU		0.59	0.40	0.12	0.06
	Actual energy supplied to long term and med	lium term beneficiaries	MU	3,548.96	3,692.51	2,422.50	700.46	1,247.59
	Actual energy supplied in short term		MU					
	Energy supplied under bilateral arrangement	s	MU					
	Energy supplied through excahnges		MU	0.76	3.41	-	-	5.56
	Energy supplied under DSM		MU	(111.56)	(71.50)	(28.99)	(69.31)	(67.29)
	Energy supplied SCED					(54.03)	(13.91)	139.53
14	Primary Fuel :							
14.1	Consumption:							
		From Linked Mines	MT	28,29,441	27,99,372	14,01,528	5,35,727	12,11,781
14.1.1	Domestic coal	From Non-Linkd Mines	MT					
		From Integerated Mines	MT					
14.1.2	Imported coal		MT	-	22,567	1,89,743	41	16,673
14.1.3	Spot market/e-auction coal		MT					
14.2	Gross Calorific Value (GCV) :							
14.2.1	Domestic Coal (for each type)	(As Billed) - EM Basis as per third party	kCal/kg	4,564	4,367	4,516	4,376	4,327
L	((3,5)	(As Received) - TM Basis as per third party	kCal/kg	3,858	3,763	3,678	3,595	3,663
14.2.2	Imported Coal	(As Billed) - ADB Basis	kCal/kg	-		5,675	5,878	4,806
		(As Received) - ADB Basis	kCal/kg	-	4,446	4,918	5,136	3,984
14.2.3	Spot market/e- auction coal	(As Billed)	kCal/kg	-	=	-	-	-
	'	(As Received)	kCal/kg	-	-	-	-	-
14.2.4	Billed)	llue (Domestic+Imported+Spot/e-auction) (As	kCal/kg	4,564	4,305	4,598	4,332	4,381
14.2.5	Received)	llue (Domestic+Imported+Spot/e-auction) (As	kCal/kg	3,858	3,783	3,700	3,673	3,746
	Ash content in coal (%)		%	33.22	33.41	33.90	34.81	34.75
14.3	Price of coal :							
	Billed Cost (including adjustments)							
	Amount Charged by transporting agency upto							
14.3.1	Weighted Average Landed price of Domesti	c coal	(Rs/MT)	4,670	5,151	5,976	4,362	5,065

	Components of landed cost and break up		(Rs/MT)					
		1. Cost of coal,	(Rs/MT)	3,025	3,024	2,992	2,021	2,646
		2. Transportation Charges	(Rs/MT)	1,613	2,159	2,672	2,186	2,330
		3. Other charges	(Rs/MT)	32		313	155	88
14.3.2	Weighted Average Landed Price of Imported	coal	(Rs/MT)	-	7,253	10,732	8,858	13,089
	Components of landed cost and break up				·			
14.3.3	Weighted Average Landed Price of Spot ma	rket / e-auction coal	(Rs/MT)	-	-	-	-	-
	Components of landed cost and break up			-	-	-	-	=
14.3.4	Weighted Average Landed Price of all the Co	als	(Rs/MT)	4,670	5,181	6,316	4,442	5,961
			% and MT					
14.4	Blending:		(of the total					
17.7	Diorianing :		coal					
			consumed)					
	Blending ratio of imported coal with domestic	coal	%	-	0.80	11.92	0.01	1.36
14.4.2	Proportion of e-auction coal in the blending		%	-	-	-	-	-
	Coal stockyard capacity		LMT	7.00	7.00	7.00	7.00	7.00
14.5	Actual daily Average Coal stock maintained		LMT	1.35	1.21	6.23	5.14	2.38
	, ,		Days	5.63	5.04	25.94	21.43	9.92
14.5	Actual Transit & Handling Losses for coal	Lignite						
	Pit- Head Station							
	Transit loss from linked mines		%	NA	NA	NA	NA	NA
	Transit loss from non-linked mines including	e-auction coal mines.	%	NA	NA	NA	NA	NA
	Transit loss of imported coal		%	NA	NA	NA	NA	NA
	Non-Pit Head station							
	Transit loss from linked mines		%	1.18	0.62	0.56	0.67	0.62
14.5.2.2	Transit loss from non-linked mines including	e-auction coal mines.	%		2.12	0.40	2.42	
	Transit loss of imported coal		%	-	0.19	0.13	0.16	0.17
15	Secondary Fuel Oil :	Tubo	171	200 77	050.00	0.700.00	0.004.00	0.500.50
15.1	Consumption	LDO	KL	390.77	652.00	2,709.22	2,394.23	3,529.59
	Majahtad Ayarara Crass Calarifia	HFO	KL (I-O-I-(I-it)	970.11	1,505.83	0.700.44	- 0.004.40	0.004.07
15.2	Weighted Average Gross Calorific value (As received)	LDO	(kCal / Lit.)	9,432.00	9,639.00	9,703.11	9,624.42	9,624.67
	value (AS received)	HFO	(kCal / Lit.)	9,894.00	9,892.00	24.455.40	_	64 400 05
15.3	Weighted Average Price	LDO HFO	(Rs / KL)	45,598.39	53,253.40	34,155.10	-	61,192.25
		LDO	(Rs / KL)	2 404 24	- - -	5,469.96	4,046.18	5,039.21
15.4	Actual Average stock maintained	HFO	KL	3,191.24	5,406.59	,		5,039.21
16	Weighted average duration of outages	1	KL	4,919.00	2,350.15	2,350.15	-	-
	Planned Outages	unit-wise details).	(Daya)	7.81	33.81	6.72	8.32	10.54
	Forced Outages		(Days) (Days)	1.96	4.13	0.74	0.32	4.50
10.2	Within control of generator		(Days)	1.90	4.13	0.74	0.91	4.50
	beyond control of generator		(Days)	1.96	4.13	0.74	0.91	4.50
16.3	Number of tripping		Nos.	8	14	12	4	4.50
16.4	Number of start-ups:		Nos.	27	31	31	27	48
16.4.1	Cold Start-up		Nos.	15	15	20	20	33
16.4.2	Warm Start-up		Nos.	7	8	20	4	10
16.4.3	Hot start-up		Nos.	5	8	9	3	5
17	·	ssion in : at conditions specified by MoEF&CC	1105.		- 0	<u> </u>		<u> </u>
17	· · · · ·	SPM	mg/Nm ³					100
	Design emission (Stage-I)	NOX	mg/Nm ³					600
	g. · c (SOX						600
	CCD installation data	307	mg/Nm ³					000
	FGD installation date	<u> </u>						
	NOX Control system installation date							

		SPM	mg/Nm ³							
	Actual emission (Stage-I)	NOX	mg/Nm ³							
47.0		SOX	mg/Nm ³			A A	•			
17.2		SPM	mg/Nm ³	As per Annexure A						
	Actual emission (Stage-II)	NOX	mg/Nm ³							
	(g,	SOX								
	Ash mound capacity as on 31st Marc		mg/Nm ³		T					
	Ash pond capacity as on 31st March	11								
	Fund available in Ash Fund Account a	04-4 M								
						As per Annexure	В			
	Amount utilized from Ash Fund Accou					<u> </u>				
19	Detail of Ash utilization % of fly ash p	roduced	%	108.85	100.05	101.48	99.89	100.16		
	Ash available as on 31st March *		LMT	21.54	22.35	15.20	9.41	12.85		
	Ash utilized for construction of ash dy		LMT	-	-	0.23	-	-		
	Ash utilized within plant premise, other	er than construction of ash dyke	LMT	0.02	0.01	0.02	-	-		
	Ash transported **		LMT	5.28	4.62	1.70	0.50	-		
	Average Distance		KM	150	150	150	150	-		
19.1	Conversion of value added product		(%)	84.27	79.06	82.64	55.69	95.88		
19.2	For making roads &embarkment		(%)	24.50	20.66	11.17	5.31	-		
19.3	Land filling		(%)	0.08	0.05	6.46	4.04	4.28		
19.4	Used in plant site in one or other form	n or used in some other site	(%)	-	-	1.51	-	-		
19.5	Any other use , Please specify		(%)	-	0.28	4.94	34.86	_		
20	Cost of spares actually consu	med	(Rs. Lakh)	2,166.91	1.649.72	925.81	389.54	1,135.38		
21	Average stock of spares		(Rs. Lakhs)	14,380.77	13,686.87	13,531.70	14,024.25	14,274.36		
22	Number of employees deplo	yed in O&M	Nos.	845	787	749	668	608		
22.1	- Executives	-	Nos.	379	359	352	298	270		
22.2	- Non Executives		Nos.	466	428	397	370	338		
22.3	- Corporate office		Nos.	2,568	2,241	2,016	1,815	1,728		
23	Man-MW ratio		Man/MW	0.46	0.43	0.41	0.37	0.33		
	Total billed amount			•			•			
	Total received amount within due date	e								
	Total amount received beyond due da	ate								
	Total amount pending					As per Annexure	С			
	Total amount under dispute					•				
	Total rebate given									
	Total LPSC recovered									
24	Generation Switchyard Details									
	No. of Bays voltagewise		400kV	- 30 Nos./ 220k	V - 15 Nos; Total	400kV Tx Lines - 1	I0 Nos.			
	ICT - nos and rating			03 Nos	, 400kV/ 220kV, 3	x167MVA				
	Dedicated transmission line - voltage	and length				,				

^{*} Total ash generated during the Financial Year given
** Weighted average distance of Ash Transported given

Annexure-I

Pro-forma for furnishing Actual annual performance/operational data for the coal/lignite based thermal generating stations for the 5-year period from 2017-18 to 2021-22

S.N	Particulars		Units	2017-18	2018-19	2019-20	2020-21	2021-22
1	Name of Company			NTPC	•			
2	Name of Station/ Pit head or Non- Pit head			DADRI-TH/NON	PIT HEAD			
	Stage			STAGE II				
3	Installed Capacity and Configuration		MW	980 MW (2 X 490	0)			
3.1	Date of Commercial Operation - Unit Wise			U#5: 31.01.2010; U#6: 31.07.2010				
3.2	Effective COD			31.07.2010				
	Make of Turbine			(Turbine-KRAFT)	WERK UNION D	FSIGN & Boiler-	BHFL)	
4		type of Steam turbine and Boiler)		(Turbine-KRAFT)				
5	Type of BFP	type of oteam tarbine and boiler)		Steam Driven	WEIGH ONION B	LOIOIT & Boiler	DITEL)	
	Quantity	I		3				
6	Circulating water system			Closed Cycle				
7	Any other Site specific feature			NDCT				
	Unit heat rate		kCal/kWh	2268.46				
	Boiler efficiency		%	85.34%				
	Turbine cycle heat rate		kCal/kWh	1935.9				
8	Fuels:	I	NOGI/NVIII	.000.0				
8.1	Primary Fuel :		+	Coal				
8.1.1	Annual Allocation under FSA		MMT	Annual allocation Annual allocation Annual allocation Annual allocation	with CCL I -1.31 with ECL - 1.50	MMT MMT		
	Annual Consumption		LMT	36.55	39.44	28.25	21.59	24.6
	Annual Requirment at NAPAF		LMT	46.38	45.64	47.64	47.73	44.7
8.1.2	Sources of supply/ procurement along w	with contracted quantity and grade of coal		8.01 MMT, CCL: G7 - G10 ECL: G10 & abov	/e	, 1	al, Pakri Barwadih, king coal G5 to G1	
		LoA	LMT	61.57	74.26	43.67	19.73	37.0
8.1.2.1	FSA	MoU	LMT	01.07	7 1.20	10.07	10.70	01.0
8.1.2.2	Imported*	Imoo	LMT	_	0.60	3.38	0.35	2.2
8.1.2.	Spot Market/e-auction*		LMT		0.00	0.00	0.00	
8.1.3	Transportation Distance of the station from the	sources of supply	KM	-	FCI -1226-1284	CCI -1146-119	8, BCCL-1160-12	24
8.1.4	Mode of Transport	- 00 а. 0 а. 0 а. р. у	Tuvi		202 1220 120	Rail Mode	0, 2002 1100 12	
8.1.5	Maximum Station capability to stock primary fu	el (for days consider availability as NAPAF)	Days & LMT			29 Days & 7 LI	MT	
8.1.6	Maximum stock maintained for primary fuel		МТ	4,17,470	5,47,324	9,07,383	9,12,015	4,56,93
	Date			02.04.2017	31.03.2019	31.03.2020	01.04.2020	08.12.202
8.1.7	Minimum Stock maintained for primary fuel	1	MT		-	2,79,788	2,44,800	28
	Date		1	17.10.2017	27.10.2018	05.11.2019	31.03.2021	11.10.202
8.1.8	Average stock maintained for primary fuel	I	MT	1,35,110	1,21,000	6,22,678	5,14,241	2,38,07
8.2.1	Annual Allocation/ Requirement		KL	.,55,110	.,,500	3,22,370	<u> </u>	2,30,01
8.2.2	Sources of supply		1			7971.6		
8.2.3	Transportation Distance of the station from the	sources of supply	KM			BPCL/HPCL/IO	CL	
8.2.4	Mode of Transport		1 NIVI			1000		
8.2.5	Maximum Station capability to stock secondary	/ fuels	KL			Rail		
8.2.6	Maximum Stock of secondary oil actually mair		KL			15838		
8.2.7	Minimum Stock of secondary oil actually main		KL	8522	6017	5747	5806	6034
J.L.1	The state of the s		114	0022	0017	0171	5550	500 1

8.2.8	Average Stock of secondary oil actually mai	ntained	KL	5843	2754	1737	2965	2153
8.2.8	Average Stock of secondary oil actually mai	ntained	KL	7164	4596	3651	4541	3912
9.	Cost of Spares :					-		
9.1	Cost of Spares capitalized in the books of ac		(Rs. Lakh)	1,956.37	2,214.26	2,181.57	998.11	2,347.97
9.2	Cost of spares included in capital cost for	the purpose of tariff	(Rs. Lakh)	-	-	-	-	-
9.3	Initial spares-list, quantity and cost		(Rs. Lakh)	-	-	-	-	-
9.4	Maintenance spares - cost		(Rs. Lakh)	3,463.57	3,747.19	3,904.49	4,229.05	4,639.34
9.5	Other spares procured with high lead procur	ement time	(Rs. Lakh)					
10	Generation :		<u> </u>					
10.1	-Actual Gross Generation at generator to	erminals	MU	5,640.09	6,203.87	4,222.11	3,187.53	3,896.93
10.2	-Actual Net Generation Ex-bus		MU	5,353.94	5,892.48	3,958.88	2,986.95	3,662.37
10.3	Scheduled Generation		MU	5,498.88	5,828.69	4,104.84	3,085.62	3,741.30
10.4	AGC		MU	803.34	848.22	832.09	926.10	858.32
11	Average Declared Capacity (DC)		MW	803.34	848.22	832.09	926.10	858.32
]	DC Peak HD %	%	-	-	-	99.08	98.10
		DC Off Peak HD %	%	-	-	-	99.51	98.19
		DC Peak LD %	%	-	_	-	100.56	92.00
		DC Off Peak LD %	%	_	_	_	100.54	90.99
	Actual Declared Capacity	DO ON 1 COR ED 70	MU	7,037.30	7,430.42	7,309.09	8,112.62	7,518.85
	Deemed Declared Capacity		MU	7,007.00	7,400.42	1,000.00	0,112.02	7,010.00
		ion excluding colony	IVIO					
12	consumption	ion excitaing colony	MU	286.15	311.40	263.24	200.58	234.56
13	Actual Energy supplied to Colony from the st	ation	MU	0	0	0	0	0
	Actual energy supplied to construction activity	ties	MU	0	0	0	0	
	Actual energy supplied to long term and med		MU	5,326.08	5,726.14	4,394.25	3,472.22	3,894.60
	Actual energy supplied in short term		MU	0,020.00	0,1.20111	.,		
	Energy supplied under bilateral arrangement	S	MU					
	Energy supplied through exchanges		MU	1.26	6.36	_	0.04	2.02
	Energy supplied under DSM		MU	(144.95)	63.78	(145.97)	(98.67)	(78.93)
	Energy supplied SCED		MU	(144.50)	00.70	(211.19)	(339.71)	(84.91)
14	Primary Fuel :		IVIO			Coal	(000.7 1)]	(04.51)
14.1	Consumption:					Jour		
17.1	Consumption:	From Linked Mines	MT	36,54,693	39,36,659	26,51,771	21,51,117	23,04,470
14.1.1	Domestic coal	From Non-Linkd Mines	MT	30,34,093	39,30,039	20,31,771	21,31,117	23,04,470
17.1.1	Domestic coal	From Integerated Mines	MT					
14.1.2	Imported coal	From integerated mines	MT	_	7,612	1,73,257	7,578	1,60,111
14.1.3	Spot market/e-auction coal		MT	-	7,012	1,73,237	1,516	1,00,111
14.1.3	Gross Calorific Value (GCV):		IVII					
14.2	Gross Calornic Value (GCV).	I/A - Dillad\ FM Dania as man thind manta	1.0-1/1	4.504	4.007	4 F1G	4,376	4 227
14.2.1	Domestic Coal (for each type)	(As Billed) - EM Basis as per third party	kCal/kg	4,564	4,367	4,516		4,327
	J =	(As Received) - TM Basis as per third party	kCal/kg	3,838	3,763	3,678	3,595	3,663
14.2.2	Imported Coal	(As Billed) - ADB Basis	kCal/kg	-		5,675	5,878	4,806
14.2.2	Imported Coal	(As Received) - ADB Basis	kCal/kg	-	4,446	4,918	5,136	3,984
14.2.3	Spot market/e- auction coal	(As Billed)	kCal/kg	-	-	-	-	-
14.2.3	Spot markere- auction coal	(As Received)	kCal/kg	-	-	-	-	-
14.2.4	Weighted Average Gross Calorific va	alue (Domestic+Imported+Spot/e-auction) (As	kCal/kg	4,564	4,305	4,598	4,332	4,381
14.2.5	Weighted Average Gross Calorific va Received)	kCal/kg	3,838	3,794	3,705	3,701	3,864	
	Ash content in coal (%)	%	33.22	33.41	33.90	34.81	34.75	
14.3	Price of coal :	•						
	Billed Cost (including adjustments)							
	Amount Charged by transporting agency upt	o delivery point						
14.3.1	Weighted Average Landed price of Domesti		(Rs/MT)	4,670	5,151	5,976	4,362	5,065
17.0.1	1		(135/1911)	7,070	3, 13 1	5,510	7,002	3,000

	Components of landed cost and break up		(Rs/MT)					
	Components of landed cost and break up	1. Cost of coal.	(Rs/MT)	3,025	3,024	2,992	2,021	2,646
		2. Transportation Charges	(Rs/MT)	1,613	2,159	2,672	2,186	2,330
		3. Other charges	(Rs/MT)	32	2,100	313	155	88
14.3.2	Weighted Average Landed Price of Imported		(Rs/MT)		7,253	10.732	8.858	13,089
14.0.2	Components of landed cost and break up	1	(135/1411)		7,200	10,702	0,000	10,000
14.3.3	Weighted Average Landed Price of Spot ma	arket / e-auction coal	(Rs/MT)	-	_	-	_	-
11.0.0	Components of landed cost and break up		(110/1111)	_	_	-	_	_
14.3.4	Weighted Average Landed Price of all the Co	pals	(Rs/MT)	4,670	5,181	6,316	4.442	5,961
	g		% and MT	.,0.0	5,151	0,0.0	.,	0,001
14.4	Blending:		(of the total coal					
			` consumed)					
	D. E. C. C. L. L. W. L. C.		Equivalent to			2.12		
	Blending ratio of imported coal with domestic	coal	domestic coal	-	0.19	6.13	0.35	6.50
14.4.2	Proportion of e-auction coal in the blending		% & MT	-	-	-	-	-
	Coal stockyard capacity		LMT	7.00	7.00	7.00	7.00	7.00
44.5	A street de la Accessor Constituto de la		LMT	1.35	1.21	6.23	5.14	2.38
14.5	Actual daily Average Coal stock maintained		Days	5.63	5.04	25.94	21.43	9.92
14.5	Actual Transit & Handling Losses for coal	/Lignite						
14.5.1	Pit- Head Station	_						
14.5.1.1	Transit loss from linked mines		%	NA	NA	NA	NA	NA
14.5.1.2	Transit loss from non-linked mines including	e-auction coal mines.	%	NA	NA	NA	NA	NA
14.5.1.3	Transit loss of imported coal		%	NA	NA	NA	NA	NA
14.5.2	Non-Pit Head station							
14.5.2.1	Transit loss from linked mines		%	1.18	0.62	0.56	0.67	0.62
14.5.2.2	Transit loss from non-linked mines including e	e-auction coal mines.	%					
14.5.2.3	Transit loss of imported coal		%	-	0.19	0.13	0.16	0.17
15	Secondary Fuel Oil :			1,323.10	1,509.10	3,233.88	1,868.44	1,670.62
15.1	Consumption	LDO	KL	91.90	446.08	3,233.88	1,868.44	1,670.62
10.1		HFO	KL	1,231.20	1,063.02	-	-	-
15.2	Weighted Average Gross Calorific	LDO	(kCal / Lit.)	9,417.74	9,695.66	9,683.26	9,626.78	9,624.71
10.2	value (As received)	HFO	(kCal / Lit.)	9,891.02	9,886.41	-	-	-
15.3	Weighted Average Price	LDO	(Rs / KL)	45,598.39	53,253.40	34,155.10	-	61,192.25
	Tronginiou / tronago r noo	HFO	(Rs / KL)					
15.4	Actual Average stock maintained	LDO	KL	3,191.24	5,406.59	5,469.96	4,046.18	5,039.21
		HFO	KL	4,919.00	2,350.15	2,350.15	-	-
16	Weighted average duration of outages	(unit-wise details):						
16.1	Planned Outages		(Days)	26.43	20.52	43.27	0.98	18.57
16.2	Forced Outages		(Days)	4.43	11.24	2.88	3.07	0.30
	Within control of generator							
	beyond control of generator							
16.3	Number of tripping		Nos.	5	9	11	3	2
16.4	Number of start-ups:		Nos.	12	18	16	16	14
16.4.1	Cold Start-up		Nos.	3	4	5	11	10
16.4.2	Warm Start-up		Nos.	6	7	3	2	1
16.4.3	Hot start-up		Nos.	3	/	8	3	3
17	NOx , SOx ,and other particulate matter emis	ssion in : at conditions specified by MoEF&CC						
17.1	Design value of emission control equipment (specify conditions)						
		SPM	mg/Nm ³					50
	Design emission (Stage-II)	NOX	mg/Nm ³					450
	1 - ` ` ` ′	SOX	mg/Nm ³					200
	FGD installation date		IIIg/INIII	FCD	system in I Init#	5 declared under	operation in FY 22-	
	NOX Control system installation date		+	1 00	5,000111111 01110	Dec-19	Sporadon III 1 ZZ	
	INON CONTROL SYSTEM INSTANTACION date		1			D00 10		

		SPM	mg/Nm ³					
	Actual emission (Stage-I)	NOX	mg/Nm ³					
17.2		SOX	mg/Nm ³			A A	Δ.	
17.2		SPM	mg/Nm ³			As per Annexure	9-A	
	Actual emission (Stage-II)	NOX	mg/Nm ³					
	, ,	SOX	mg/Nm ³					
	Ash dyke capacity as on 31st March	36%	mg/Niii					
	Ash pond capacity as on 31st March							
	Fund available in Ash Fund Account as on							
	31st March					As per Annexure	e-B	
	Amount utilized from Ash Fund Account					, 10 po. , 11 11 10 11 11 1		
19	Detail of Ash utilization % of fly ash produced	1	%	108.85	100.05	101.48	99.89	100.16
	Ash available as on 31st March *		LMT	21.54	22.35	15.20	9.41	12.85
	Ash utilized for construction of ash dyke		LMT	-	-	0.23	-	-
	Ash utilized within plant premise, other than		1.047	0.00	0.04			
	construction of ash dyke		LMT	0.02	0.01	0.02	-	-
	Ash transported		LMT	5.28	4.62	1.70	0.50	-
	Average Distance **		KM	150	150	150	150	-
19.1	Conversion of value added product		(%)	84.27	79.06	82.64	55.69	95.88
19.2	For making roads &embarkment		(%)	24.50	20.66	11.17	5.31	-
19.3	Land filling		(%)	0.08	0.05	6.46	4.04	4.28
19.4	Used in plant site in one or other form or used	in some other site	(%)	-	-	1.51	-	_
19.5	Any other use , Please specify		(%)	-	0.28	4.94	34.86	_
20	Cost of spares actually consumed		(Rs. Lakh)	2,166.91	1,649.72	925.81	389.54	1,135.38
21	Average stock of spares		(Rs. Lakhs)	14,380.77	13,686.87	13,531.70	14,024.25	14,274.36
22	Number of employees deployed in O	&M	Nos.	845	787	749	668	608
22.1	- Executives		Nos.	379	359	352	298	270
22.2	- Non Executives		Nos.	466	428	397	370	338
22.3	- Corporate office		Nos.	2,568	2,241	2,016	1,815	1,728
23	Man-MW ratio		Man/MW	0.46	0.43	0.41	0.37	0.33
	Total billed amount							
	Total received amount within due date							
	Total amount received beyond due date							
	Total amount pending					As per Annexure	e C	
	Total amount under dispute							
	Total rebate given							
	Total LPSC recovered							
24	Generation Switchyard Details							
	No. of Bays voltagewise			400kV		,	400kV Tx Lines - 1	0 Nos.
	ICT - nos and rating				03 Nos	, 400kV/ 220kV, 3	3x167MVA	
	Dedicated transmission line - voltage and leng	yth						

^{*} Total ash generated during the Financial Year given

** Weighted average distance of Ash Transported given

Name of Generating Station : Dadri Thermal Stage-I Stage: Stage-I COD of Units/Station : Details of expenditure incurred from Compensation Allowance and Special Allowance during Tariff Period 2009-14

FY Year		curred from Compe	compensatory allowance allowed	Special Allowance allowed by the	Income tax rate	Effective Compensatory	Effective Special allowance		Details of A	sset/Work wise Capitalisation based on the Expenditure	e allowed by th	ne Commission in the tariff period 2009-14	Total Expenditur	Capitalisation done which has not been	Difference of Allowed vs	Capital Spares	Total Addition	Total Addition during the year	Variation if any to be reconciled /justified.
	Commi	ission under the of Regulation 9(2)	by the Commission, if any	Commission, if any		allowance available for Expenditure	available for Expenditure	Capitalisation out of add cap allo	wed under	Capitalisation out of Compensation allowance in the	he stations	Capitalisation out of Special Allowance allowed in the stations where	e done under Special and	claimed/ allowed in the tariff	Expenditure		during the year	as per duly audited Schedule of Fixed Asset	
						Expenditure		Regulation 9(2)		wherever applicable		applicable	Compensat	i				oi rixeu Asset	
		Liability included in (2)			(%)			Asset/work	Rs(Lakh)	Asset/work	Rs(Lakh)- Gross	Asset/work (Rs. lakh)	(Rs. Lakhs						
1	2	3	4	5	6	7 = 4* 6	8 = 5 * 6	9		10		11	12=10+11	13	14=(2+3+7+8)- (9+12+13)	15	16=9+12+13 +15	17	18
								Construction of Transit Camp & A,B,C Type Quarters	26.9	5									Decap Spares: (-)195.86.
2009-10	338.67	0.00	210.00	0.00	33.99	138.62		NDCT Package	299.9				0	475.43	-336.80	378.56	1192.65	232.64	Decap of MBOA: (-) 47.41,
								Fire Protection System for Administrative Building	11.7	1			-						Liability Rev.:(-)717.26,
								Total	338.66	Total	0	Total 0							
								Ambient Air Quality Monitoring	97 35	Township Metering system	12.75								
								System		Construction of Watch Towers for	1.34								
										Ash Mound Area Consultant Contract for design of	1.34								
										Acoustics, Interior Etc for Admin	0.75								
										Building Construction of shed over Track	13.39								Decap Spares: (-)232.09,
										Hopper in CHP area Main Switchgear for	38 18								Decap of MBOA: (-) 229.39, Liability Rev.:(-) 57.21,
2010-11	96.79	0.59	252.00	0	33.218	168.29				administrative building	4.77		106.74	12.47	49.08	365.71	582.30	2014.66	IUT: 1951.05
										Stage Lighting, Acoustics, Video									
										Projection system & Sound Reinforcement System for	11.17								
										auditorium Erection of 220 kV & 400 kV CVT	2.95								
										& Earthing of ICT in Switchyard Boundary wall	0.43								
										Geenrator Package - Supply and Erection	21.01								
								Total	97.38	Total	106.74	Total 0.00							
										Construction of Watch Towers for Ash Mound Area	3.24								Decap Spares: (-)144.77,
2011-12	0	0	294		33.445	195.6717				Stage Lighting, Acoustics, Video Projection system & Sound			19.20	2.35	174.12	674.61	696.16	428.39	Decap of MBOA: (-)113.08, Liability Rev.:(-) 8.86,
2011-12			294	"	33.443	193.0/1/				Reinforcement System for	15.97		19.20	2.33	1/4.12	0/4.01	696.16	428.39	IUT: (-) 1.06
								Total	(auditorium Total	19.20	Total 0.00							
		1		1		1	1	1					1		I				
										Construction of Watch Towers for									
										Ash Mound Area	0.15								Decap Spares: (-) 224.33,
2012-13	0	0	294	0	33.445	195.6717							4.54	0.00	191.13	700.49	705.03	-1562.05	Decap of MBOA: (-) 83.86, IUT: (-) 1951.35
										Stage Lighting, Acoustics, Video Projection system & Sound	4.39								Liability Rev.:(-) 7.54,
										Reinforcement System for auditorium	4.39								
								Total	(Total	4.54	Total 0.00							
								Ash Storage Modification.	125.62		23.61								
										R&M of Gen Excitation System Retrofitting of Generator Protection Panel with	68.57 94.88								
										integrated numerical GPR Renovation of Krugs make isolators	104.11								Unservicable Assets: (-) 46.09
										Lightning arrestors for 500 MVA ICTs	42.4								Decap Spares: (-) 271.85, Decap of MBOA: (-) 270.55,
2013-14	135.95	0	357	0	33.99	235.6557				Renovation of ESP Field & Rapper Contr Chlorine Absorption System for PTP, CW	149.59 42.25		757.94	0	-511.95	649.36	1532.92	943.45	IUT: (-) 0.92 Liability Rev.:(-)0.05,
										BFP Recirculation Valves CCTV System for St-I Main Plant & CHP	110.83 110.99								Liability Rev. (*)0.03,
										Railway Siding Civil Work (Arbitration)	10.33								
								Total	125.62	Vapor Absorption System	0.38 757.94	Total 0	2						
		1	_		1			-					21	1				- -	
FY Year	l	Il d b db	Compensatory allowance allowed	Special allowance allowed by the	Income tax rate	Effective Compensatory	Effective Special allowance		Details of A	sset/Work wise Capitalisation based on the Expenditure	e allowed by the	ne Commission in the tariff period 2014-19	Total Expenditur	Capitalisation done which has not been	Difference of Allowed vs	Capital Spares	Total Addition	Total Addition during the year	Variation if any to be reconciled /justified.
	Commi	p allowed by the ission under the	by the Commission, if any	Commission, if any		allowance available for	available for Expenditure	Capitalisation out of add cap allo	wed under	Capitalisation out of Compensation allowance in the	he stations	Capitalisation out of Special Allowance allowed in the stations where	e done under	claimed/ allowed in the tariff	Expenditure		during the year	as per duly audited Schedule	
	provision	of Regulation 9(2)				Expenditure		Regulation 9(2)	med under	wherever applicable	are stations	applicable	Special and Compensat	!			'	of Fixed Asset	
	Net Basis	Liability included			(%)			Asset/work	Rs(Lakh)	Asset/work	Rs(Lakh)-	Asset/work (Rs. lakh)	(Rs. Lakhs			†			
1	2	in (2)	4	5	6	7 = 4* 6	8 = 5 * 6	9		10	Gross	11	12=10+11	13	14=(2+3+7+8)-	15	16=9+12+13	17	18
Details of av	nenditure in	curred from Compos	sation Allowance an	d Special Allowers		eriod 2014-19				l .					(9+12+13)		+15		l
or ex	permitter III	cu nom compe	on / knowance an	- opecon Anowan	Jump I at III F														
								LAND FREEHOLD - PLANT/OFFICE	1530.82										
										Boiler Tube Leakage Detection System	109.10								
										DDCMIS for FSSS, SADC, SBC, ATRS CC TV System	890.37 10.73								
2014-15	0	0	630	0	20.9605	497,949				Renovation of SWAS Analysers	23.34								Decap disallowed: (-) 45.30,
-014-13			0.50	"	20.7003	4,77,549				Hydrogen Purity Analyser R&M of Gen Excitation System	19.18 36.15		1317.88	1136.30	-3487.05	1237.52464	5222.53	4690.2	Decap Spares: (-)413.48667, Decap of MBOA: (-) 73.16,
										Lightning arrestors for 500 MVA ICTs Renovation of ESP field and rapper contr	26.06 11.03								Liability Rev.:(-) 0.38,
										R&M of generator & ICT Protection relay	55.19						1		

										Renovation of Kruggs make isolators Township Metering Hydraulic eccavator for CHP	60.21 42.48 34.05								
2015-16	0	0	735	0	21.3416	578.13924		Total As per Annexure-Dadri-1 Total	238.05	Supply Ence whs SWAS Chiller Unit St I DDCMIS for FSSS, SADC, SRC, ATRS Retroiting of Generator protection pand with integrated numerical generator protection pand with integrated numerical generator protection pand R& M of Gen Excitation SwaemdS-10193) Renovation of Kruge make isolators Mechanical Auxl Tegipts. Botler Tube Leskage Detection System Railway Stiling Cvil Weck Hydraulic eccavator for CHP AHU assembly for main plant A/C system	1317.88 12.50 1421.63 1 62.81 41.18 53.43 0.28 57.17 4.37 1.11 49.55		1704.02	3.60	-1367.53	1492.915	3438.59	2270.94	Decap of Disallowed items(-) 44.05 Decap of Sparse. (-) 543.36 Decap other than sparse. (-) 192.78 Liability Rev.:(-) 387.46
2016-17	0	0	840	0	21.3416	660.73		As per Annexure-Dadri-1		Renovation of Kruggs make isolators Construction of covered shed for Gas Store VFD system in in both ID Fans	0.53 18.40 285.50		304.43036	i 3.59	408.9214083	2935.814483	3300.04606	3064.39	Decap of Spares: (-) 217.14604 Decap other than spares: (-) 17.62087, Liability Reversal: (-) 0.89389
2017-18	0	0	840	0	21.3416	660.73		Total	0.00	LED Electrification in Plant Area Stage-I Construction of Electrical Test lab Electric Hoist 7.5 MT	121.17 14.89 0.78		136.83535	3.59	520.30521	255.6040893	396.029439	894.70	Decap of Spares: (-) 1203.57 Decap other than spares: (-) 81.13, Reversal of Liability (-) 6.04
2018-19	0	0	630	0	21.3416	495.55		LAND FREEHOLD - PLANT/OFFICE Total	353.61 353.61	Inert Gas Fire Extinguishing System LED Electrification in Plant Area Stage-I FIRE PROTECTION SYSTEM MBOAs	363.71 190.91 935.27 74.77		1564.663	3.59	-719.09227	1133.06723	3054.93294	1995.54	Decap of Spares: (-) 744.024 Decap other than spares: (-) 199.86, LED De-cap: 115.496
FY Year	Comn	cap allowed by the mission under the on of Regulation 9(2)	Compensatory allowance allowed by the Commission. if any	Special allowance allowed by the Commission, if any	Income tax rate	Effective Compensatory allowance available for Expenditure	Effective Special allowance available for Expenditure		Details of As	set/Work wise Capitalisation based on the Expenditure Capitalisation out of Compensation allowance in the wherever applicable	allowed by t		Total Expenditu e done under Special and	Capitalisation done which has not been claimed/ allowed in the tariff	Difference of Allowed vs Expenditure	Capital Spares	Total Addition during the year	Total Addition during the year as per duly audited Schedule of Fixed Asset	Variation if any to be reconciled /justified.
1	Net Basis	is Liability included in (2)	4	5	(%)	7 = 4* 6	8 = 5 * 6	Asset/work	Rs(Lakh)	Asset/work	Rs(Lakh)- Gross	Asset/work (Rs. lakh)	(Rs. Lakhs 12=10+11	13	14=(2+3+7+8)- (9+12+13)	15	16=9+12+13 +15	17	18
Details of ex	expenditure i	incurred from Comp	ensation Allowance ar	nd Special Allowan	e during Tariff P	eriod 2019-24		LAND FREEHOLD -											
2019-20	0	0		3990	17.47%	0.00	3292.87	LAND FREEROLD- PLANT/OFFICE	68.13			Replacement of Control System 3213.89 FIRE PROTECTION SYSTEM 378.7 AREALAL WORKING PLATFOM 23.4892 VFD system in both ID Fans of Unit-II 263.389 Online Coal Analyser 607.45 Raw coal bunker level monitoring system 39.7053 DIGITAL BAY WITH OPTICAL CT AND OTHER DIGITAL 362.086 LIN-MOTION WEIGH BRIDGE CAPACITY 120 MIT 24.6984 Truck trippler foundation area BIOMASS SYSTEM 40.9963 MBOAS Capitalization 103.72 MBOAS Capitalization in Plant Area Stage-I 10.070 Eab Equizments Building 872.567 Chain Pulley blocks 15 T 1.9264 Total 6173.34	7 3 1 9 8 8 9 8 7 7 2 6173.3425 1 1 1 3 8 7	3.6	-2815.945725	955.146945	7200.21987	10881.04	Decap of Spares: (;) 312 22501 Decap other than spares: (;) 151.332800, Aust Claus Change: (;) 9.66164, Claimed in Supplementary Tariff Petition-4154.34916
2019-20	0	0		3990	17.47%	0.00	3292.87 4939.3008	PLANT-OFFICE		Total	0.00	RRE PROTECTION SYSTEM 378 R 378	7 3 3 1 1 9 8 8 8 7 7 7 2 6 16 13 3 8 7 7 7 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		-2815.945725 -5110.151827	955.146945 325.37	7200.21987	10881.04 5223.68	Decap other than spares: (-) 151.332800, Asset Class Change- (-) 9.66164, Claimed in Supplementary

Annexure-VI (C)

DETAILS OF WATER CHARGES

Name of the Company: NTPC Ltd

Name of the Power Station and Stage/Phase: National Capital Thermal Power Station, Dadri (1820 MW)

(Rs. In Lakhs)

SI.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
(A)	Plant					
1	Type of Plant		Coal ba	sed thermal pow	ver plant	
2	Type of Cooling Tower			NDCT		
3	Type of Cooling Water System			Closed		
4	Any Special Features which may increase/reduce water					
	consumption					
(B)	Quantum of Water : (Cubic Meter)					
5	Contracted Quantum					
6	Allocation of Water	8,93,00,491	8,93,00,491	8,93,00,491	8,93,00,491	8,93,00,491
7	Actual water Consumption	3,35,92,690	2,99,20,382	2,34,24,489	1,81,32,898	1,92,44,607
8.	Rate of Water Charges	Water R	ate: Rs 12.48 pe	r 1000 cft; Royal	ty: Rs 6 Lakh/Cu	sec/Year.
9	Other charges/Fees , if paid as part of Water Charges					
10	Total water Charges Paid (Rs Lakh)	317.70	282.57	201.62	171.75	140.62

Annexure-VI (D)

Detais of capital Spares

Name of Company- NTPC Limited Name of Power station : National Capital Thermal Power Station (1820 MW)

Rs. Lakhs

SI. No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
(A)	Details of capital spares in Opening stock	24396	24185	24750	26006	26614
(B)	Details of capital spares procured during the year	1956	2214	2182	998	2348
(C)	Details of capital spares consumed during the year	2167	1650	926	390	1135
(D)	Details of capital spares closing at the end of the year	24185	24750	26006	26614	27827

Name of Utility:	NTPC Ltd
Name of Generating Station:	National Capital Thermal Power Station, Dadri St-I (840 MW)
Station Configuration:	4X210
Capacity (MW):	840
COD:	01-12-1995

S.N Particulars	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20***	2020-21***	2021-22***
1 Plant Availability Factor (PAF)	%	96.20	94.70	97.88	100.45	101.22	101.38	98.69	96.47	98.24	99.69	99.88	98.41	105.40	92.61	90.28	99.49	97.78	81.07
2 Plant Load Factors (PLF)	%	92.84	91.98	95.69	98.02	99.36	100.59	92.26	86.63	86.48	79.38	81.54	56.28	44.93	58.34 69.97	58.85 72.76	31.51 58.40	10.47 66.96	24.83 73.82
2a Loading factor (%) ^ 3 Scheduled Energy	MU	6.173.57	6.167.18	6.414.79	6,621.26	6.645.11	6.601.62	5,886.52	5,798.95	5,935.69	5,435.17	5,702.96	3,935.82	3.144.33	4,028.15	4,019.37	2,117.74	712.82	1,683.99
4 Scheduled Generation	MU	6,173.57	6,167.18	6,414.79	6,621.26	6,645.11	6,601.62	5,886.52	5,798.95	5,935.69	5,435.17	5,702.96	3,935.82	3,144.33	4,028.15	4,019.37	2,117.74	712.82	1,683.99
5 Actual Generation (Gross)	MU														4,293.26	4,330.19	2,324.70	770.22	1,826.84
6 Actual Generation (ex-bus)	MU														3,916.59	3,947.88	2,088.74	643.50	1,616.67
Actual energy supplied to beneficiaries (Long Term, Medium Term and Short Term)	MU	6,173.57	6,167.18	6,414.79	6,621.26	6,645.11	6,601.62	5,886.52	5,798.95	5,935.69	5,435.17	5,702.96	3,935.82	3,144.33	3,548.96	3,692.51	2,422.50	700.46	1,247.59
Quantum of coal consumption Value of coal	MT Rs. Lakh	44,33,439	42,90,978	43,23,842	45,33,368	46,19,580	46,02,968	41,79,886	40,66,091	40,50,609	36,43,459	40,13,833	26,70,661	21,03,722	28,29,441	28,21,940	15,91,271	5,35,768	12,28,454
10 Specific Coal Consumption 11 Gross Calorific Value of Coal	kg/kWh (Kcal/ Kg)	0.65 3,729	0.63 3,792	0.61 3,906	0.63 3,816	0.63 3,778	0.62 3,838	0.62 3,879	0.64 3,776	0.64 3,767	0.62 3,841	0.67 3,597	0.64 3,733	0.64 3,844	0.66 3,858	0.65 3,783	0.68 3615**	0.70 3588**	0.67 3661**
12 Heat Contribution of Coal	(Kcal/ kWh)	2,420	2,404	2,398	2,393	2,387	2 387	2,388	2,402	2 398	2,396	2,406	2,400	2 446	2,543	2,465	2.475	2.496	2,462
13 Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)															·			
14 Quantum of Oil Consumption 15 Value of Oil	(KL) (Rs. lakh)	1,081.05	1,425.02	804.90	809.87	1,008.79	632.47	824.50	1,165.70	1,042.00	1,350.55	696.89	1,519.66	1,145.88	1,360.88	2,157.82	2,709.22	2,394.23	3,529.59
16 Gross calorific value of oil	(kcal/lit)	9,709.85	9,807.14	9,693.79	9,840.81	9,782.29	9,673.43	9,616.39	9,614.98	9,709.76	9,763.02	9,804.54	9,840.60	9,876.31	9,761.63	9,815.54	9,703.11	9,624.42	9,624.67
17 Specific Oil Consumption	(ml/kWh)	0.16	0.21	0.11	0.11	0.14	0.09	0.12	0.18	0.16	0.23	0.12	0.37	0.35	0.32	0.50	1.17	3.11	1.93
18 Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)																		
19 Heat Contribution of Oil	(Kcal/ kWh)	1.07	0.94	1.15	0.66	1.36	0.71	1.17	1.75	1.59	2.26	1.14	3.60	3.42	3.09	4.89	11.31 3,650.02	29.92	18.60
20 Quantum of Biomass consumption 21 Specific Biomass Consumption	MT kg/kWh							+	-		-						0.0016		
22 Gross Calorific Value of Biomass	(Kcal/ Kg)																3,549.74		
23 Heat Contribution of Biomass	(Kcal/ kWh)														0.545	0.4==	5.57	0.55-	0.45
24 Station Heat Rate 25 Auxiliary Energy Consumption	(Kcal/ kWh) (%)	2,421 7.35	2,405 7.39	2,399 7.45	2,393 7.23	2,389 7.36	2,387 7.28	2,389 7.77	2,404 7.58	2,399 7.61	2,398 7.76	2,407 7.97	2,404 8.17	2,449 8.53	2,546 8.32	2,470 8.35	2,491 9.31	2,526 14.04	2,481 10.54
26 Debt at the end of the year	(Rs. Crore)	218.13	158.55	100.82	60.38	26.38	0.59	1.(1	1.56	7.01	7.76	1.97	0.17	0.53	0.02	- 0.30	9.31	14.04	10.54
27 Equity - Average	(Rs. Crore)	857.97	858.39	858.81	859.62	860.29	850.69	850.65	849.92	849.11	848.07	847.11	847.11	847.11	847.11	847.11	857.29	857.29	517.30
28 Working Capital – finally admitted by CERC	(Rs. Crore)	350.37	351.30	352.37	354.63	355.87	586.82	590.31	595.49	598.63	604.20	129.41	135.36	141.54	148.11	155.11	704.38	709.37	703.07
29 Capital cost – finally admitted by CER	C (Rs. Crore)	1,716.01	1,717.42	1,718.80	1,721.52	1,723.74	1,702.35	1,702.21	1,699.78	1,697.09	1,693.62	1,690.43	1,690.43	1,690.43	1,690.43	1,690.43	1,724.34	1,724.34	1,724.34
30 Capacity Charges/ Annual Fixed Cost (AFC)	(Rs. Crore)	342.08	336.21	330.62	326.94	325.24	476.44	482.53	490.26	500.04	515.88	416.10	431.36	446.68	461.85	496.05	608.79	640.99	582.05
(a) Return on equity – post tax 31 (admitted by CERC upto 2009) and Pr Tax post 2009	е					'	'			-	'	-				'			
32 Absolute value	(Rs. Crore)	120.12	120.17	120.23	120.35	120.44	199.75	197.44	195.01	194.82	199.14	166.12	166.92	166.92	166.92	166.92	161.02	161.02	97.16
33 Rate	(%)	14.00%	14.00%	14.00%	14.00%	14.00%	23.48%	23.21%	22.94%	22.94%	23.48%	19.61%	19.71%	19.71%	19.71%	19.71%	18.78%	18.78%	18.78%
34 (b) interest on Loan 35 Absolute value	(Rs. Crore)	39.59	29.98	20.58	12.68	6.74	1.26	0.03											
36 Rate – Weighted Average Rate	(%)	15.94%	15.92%	15.87%	15.73%	15.53%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%
37 (c) Depreciation (finally allowed by CERC)					•														
38 Absolute value	(Rs. Crore)	59.18	59.22	59.27	59.37	59.44	23.99	24.04	23.87	23.69	23.57	23.95	23.95	23.95	23.95	23.95	29.95	29.95	3.59
39 AAD 40 Rate	(%)	3.45%	3.45%	3.45%	3.45%	3.45%							Spread	over useful life					
41 (d) Interest on working Capital	(70)	3.4370	3.43 /6	3.4370	3.43 /6	3.4370							Оргоно	Over abolal mo					
42 Absolute value	(Rs. Crore)	35.84	35.94	36.04	36.27	36.39	71.89	72.31	72.95	73.33	74.01	17.47	18.27	19.11	19.99	20.94	84.88	85.48	84.72
43 Rate (e) Operation and maintenance cost	(%)	10.25%	10.25%	10.25%	10.25%	10.25%	12.25%	12.25%	12.25%	12.25%	12.25%	13.50%	13.50%	13.50%	13.50%	13.50%	12.05%	12.05%	12.05%
(e) Operation and maintenance cost (finally admitted by CERC)																			
45 Absolute value	(Rs. Crore)	87.36	90.89	94.50	98.28	102.23	152.88	161.62	170.86	180.68	191.02	202.26	214.86	228.30	242.58	257.79	293.04	304.69	316.78
46 Rate	(%)			Not Applicable			0.4-1	0.5-1	0.5.1	NOT APPLI		01	7.5-1	01	01	1			
47 (f) Compensation Allowances 48 (g) Special Allowance	(Rs. Crore) (Rs. Crore)			NOT WINDLESSING			2.10	2.52 NO	2.94 T APPLICABLE	2.94	3.57	6.30	7.35	8.40	8.40	6.30	39.90	59.85	79.80
h) Supplementary Tariff - Emission Control																	00.30	00.00	7 5.50
50 Absolute value	(Rs. Crore)																		
51 Rate 52 i) Ash Utilisation Expenses*	(%) (Rs. Crore)																		
53 AFC	(Rs. Crore)	0.66	0.63	0.62	0.61	0.61	0.83	0.84	0.86	0.87	0.90	0.86	0.89	0.92	0.81	0.87	1.06	1.12	1.02
54 Energy Charge	(Rs./kWh)	1.54	1.61	1.69	1.63	1.99	2.14	2.37	2.97	2.95	3.25	3.83	3.69	3.31	3.21	3.89	4.44	3.36	3.19
55 Supplemental Energy Charges - Emission Control	(Rs./kWh)																		
56 Total tariff 57 Revenue realisation before tax	(Rs. kWh) (Rs. Crore)	2.20	2.24	2.30	2.24	2.59	2.97	3.21	3.82	3.82	4.15	4.70	4.58	4.23	4.02	4.75	5.50	4.48	4.21
58 Revenue realisation before tax 58 Revenue realisation after tax	(Rs. Crore)						-						-						
59 Profit/ loss (Rs. Crore)*	(Rs. Crore)	160.43	147.44	227.59	350.82	260.30	328.71	663.18	894.72	2,415.38	1,003.96	896.42	746.65	824.80	879.28	855.50	805.81	686.47	(25.32)
60 DSM Generation (MU)	(MU)	153.68	98.53	99.52	83.47	99.42	141.79	249.87	34.85	(123.76)	(126.66)	(241.66)	(177.65)	(163.73)	(111.56)	(71.50)	(28.99)	(69.31)	(67.33)
61 DSM Rate (Ps/Kwh) 62 Revenue from DSM (Rs. Crore)	Ps/kWh (Rs. Crore)				(25.86)	(31.42)	(39.11)	(71.49)	(20.85)	4.29	11.86	40.54	34.56	29.36	27.87	21.22	11.34	16.87	18.28
63 Compensation received for operation below NAPAF	(Rs. Crore)				(20.50)	(01.42)	(55.17)	(11.40)	(20.00)	4.23	00	-10.04	51.50	20.00	35.79	5.91	27.20	10.58	2.91
Part load Compensation received from	(Rs. Crore)														35.79	5.91	24.33	10.55	2.91
beneficiriaes 65 Amount received from SCED	(Rs Crore)														-	-	6.86	1.01	1.26

^{**} GCV of coal as received minus 85 kCal/Kg
^ Additional data related to Loading factor (%) submitted
DSM Revenue (-)Received / (+) Paid
* For entire Dadri Station (1820 MW)

*** Tariff related details for the period 2019-20 to 2021-22 is as per Petition filed before CERC

Annexure-XIX

Name of Utility:	NTPC Ltd
Name of Generating Station:	National Capital Thermal Power Station, Dadri St-II
Station Configuration:	2 X 490 MW
Capacity (MW):	980
COD:	31-07-2010

	002.	10. 0. 20.0														
S.N	Particulars	Unit	2009-10 (31.01.2010 to 31.03.2010)	2010-11 (01.04.2010 to 30.07.2010)	2010-11 (31.07.2010 to 31.03.2011)	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20***	2020-21***	2021-22***
	Plant Availability Factor (PAF)	%	56.68		84.57	100.22	91.75	103.09	89.02	103.10	98.85	86.52	91.35	90.09	100.27	92.93
	Plant Load Factors (PLF)	%	55.44		73.45	90.99	78.40	85.65	73.21	68.48	63.60	65.70	72.27	49.05	37.13	45.39
	Scheduled Energy	MU	361.91		4,844.04 4.844.04	7,554.72	6,581.75	7,202.03	6,234.81	5,875.07	5,466.52	5,498.88 5,498.88	5,828.69 5,828.69	4,104.84 4,104.84	3,085.62 3,085.62	3,741.30 3,741.30
- 4	Scheduled Generation Actual Generation (Gross)	MU MU	361.91		4,044.04	7,554.72	6,581.75	7,202.03	6,234.81	5,875.07	5,466.52	5,498.88	6,203.87	4,104.84	3,187.53	3,741.30
	Actual Generation (Gross) Actual Generation (ex-bus)	MU										5,353.94	5,892.48	3,958.88	2,986.95	3,662.37
7	Actual Generation (ex-bus) Actual energy supplied to beneficiaries (Long Term, Medium Term and Short Term)	MU	361.91		4,844.04	7,554.72	6,581.75	7,202.03	6,234.81	5,875.07	5,466.52	5,326.08	5,726.14	4,394.25	3,472.22	3,894.60
8	Quantum of coal consumption	MT	2,41,131.90		31,91,550.00	47,89,755.00	43,78,194.00	46,09,328.00	41,13,659.00	38,18,466.00	33,96,510.00	36,54,693.00	39,44,271.00	28,25,028.27	21,58,694.62	24,64,581.01
	Value of coal	Rs. Lakh	7,617.36		1,08,991.43	1,98,607.19	1,75,559.24	2,11,950.45	2,10,850.09	1,92,199.53	1,63,861.68					
10	Specific Coal Consumption	kg/kWh	0.62		0.61	0.61	0.65	0.63	0.65	0.65	0.62	0.65	0.64	0.67	0.68	0.63
	Gross Calorific Value of Coal	(Kcal/ Kg)	3,983		3,932	3,917	3,672	3,807	3,638	3,678	3,855	3,838	3,794	3620**	3616**	3779**
	Heat Contribution of Coal	(Kcal/ kWh)	2,456		2,386	2,395	2,389	2,386	2,382	2,383	2,398	2,487	2,412	2,422	2,449	2,390
13	Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)														
14	Quantum of Oil Consumption	(KL)	2,107.80		5,558.71	1,125.50	1,886.05	1,091.75	1,414,74	1,265.04	1,267.97	1,323.10	1,509.10	3,233.88	1,868.44	1,670.62
	Value of Oil	(Rs. lakh)	2,101.00		-,	1,120.00	1,000.00	1,001.10	1,111.71	1,200.01	1,207.07	.,	.,	0,200.00	.,	.,,,,,,,,,,
	Gross calorific value of oil	(kcal/lit)	9,783.56		9,771.82	9,805.65	9,768.09	9,813.35	9,830.33	9,860.02	9,883.66	9,858.14	9,830.02	9,683.26	9,626.78	9,624.71
17	Specific Oil Consumption	(ml/kWh)	5.39		1.06	0.14	0.28	0.15	0.23	0.21	0.23	0.23	0.24	0.77	0.59	0.43
18	Cost Of Specific Oil Consumption -	(Rs./kWh)	·													
	Finally admitted by CERC	, ,														
	Heat Contribution of Oil	(Kcal/ kWh)	47.74		10.33	1.41	2.74	1.46	2.21	2.12	2.30	2.31	2.39	7.42	5.64	4.13
20	Biomass Consumptiom	MT										-	-	2,891.00	7,196.15	6,483.67
21	Sp. Biomass Consumption	kg/kWh										-	-	0.00 3,646.80	0.00 3,618.09	0.00 3,830.87
	Gross Calorific Value of Biomass Heat Contribution of Biomass	(Kcal/ Kg) (Kcal/ kWh)											-	2.50	8.17	6.37
		(Kcal/ kWh)	2,503		2,396	2,397	2,392	2,388	2,384	2,385	2,401	2,490	2,415	2,432	2,463	2,400
25	Auxiliary Energy Consumption	(%)	7.39		5.99	5.58	5.82	5.82	5.03	4.96	4.95	5.07	5.02	6.23	6.29	6.02
26	Debt at the end of the year	(Rs. Crore)	1,492.10	1,522.43		2,794.28	2,759.50	2,559.30	2,333.44	2,091.99	1,843.63	1,598.88	1,345.21	1,094.51	843.82	610.00
	Equity - Average	(Rs. Crore)	635.50	661.16	1,255.53	1,338.95	1,417.07	1,467.97	1,481.46	1,488.32	1,490.51	1,491.73	1,491.55	1,490.46	1,490.46	1,490.46
28	Working Capital – finally admitted by CERC	(Rs. Crore)	340.53	343.92	740.58	754.07	760.82	767.81	849.66	852.44	850.96	867.54	870.10	809.40	809.68	809.87
29	CERC Illiany admitted by	(Rs. Crore)	2,118.32	2,203.87	4,185.10	4,463.18	4,723.56	4,893.25	4,938.21	4,961.07	4,968.38	4,972.44	4,971.82	4,968.21	4,968.21	4,980.71
30	Capacity Charges/ Annual Fixed Cost (AFC)	(Rs. Crore)	493.45	507.66	973.99	1,032.89	1,068.44	1,095.72	1,055.62	1,046.10	1,028.80	1,015.04	1,007.97	973.40	953.96	935.27
31	(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009	(2.0.)	451.01	450.40	200.00	247.42	005.00	055.00	299.89	302.74	303.19	303.43	304.20	- 279.94	279.94	280.27
	Absolute value Rate	(Rs. Crore)	154.04 24.24%	158.40 23.96%	300.80 23.96%	317.12 23.68%	335.62 23.68%	355.82 24.24%	299.89	20.34%	20.34%	20.34%	20.40%	18.78%	18.78%	18.78%
	(b) interest on Loan	(%)	24.24%	23.96%	23.96%	23.68%	23.08%	24.24%	20.24%	20.34%	20.34%	20.34%	20.40%	10.70%	10.70%	10.70%
	Absolute value	(Rs. Crore)	128.65	130.19	249.33	269.18	264.80	254.52	232.71	206.28	180.02	150.31	129.03	108.90	87.59	65.18
	Rate – Weighted Average Rate	(%)	8.73%	8.64%		9.54%	9.54%	9.57%	9.51%	9.32%	9.15%	8.73%	8.77%	8.93%	9.04%	8.97%
37	(c) Depreciation (finally allowed by CERC)															
38	Absolute value	(Rs. Crore)	105.34	109.61	207.75	221.25	233.80	241.77	249.64	250.98	251.67	251.98	251.91	250.69	250.69	251.32
	AAD	(0()		4.0701	4.000	4.000	4.050/	4.0.407	5.06%	5.06%	5.07%	5.07%	5.07%	5.05%	5.05%	5.05%
	Rate (d) Interest on working Capital	(%)	4.97%	4.97%	4.96%	4.96%	4.95%	4.94%	5.06%	5.06%	5.07%	5.07%	5.07%	5.05%	5.05%	5.05%
	Absolute value	(Rs. Crore)	41.71	42.13	81.46	82.95	83.69	84.46	114.70	115.08	114.88	117.12	117.46	97.53	91.09	85.04
	Rate	(%)	12.25%	12.25%	11.00%	11.00%	11.00%	11.00%	13.50%	13.50%	13.50%	13.50%	13.50%	1205.00%	1205.00%	1205.00%
44	(e) Operation and maintenance cost (finally admitted by CERC)															
	Absolute value	(Rs. Crore)	63.70	67.33	134.65	142.39	150.53	159.15	158.68	171.02	179.04	192.19	205.37	236.33	244.65	253.45
	Rate (f) Compensation Allowances	(%)					1							J		
48	(g) Special Allowance h) Supplementary Tariff - Emission															
49	Control							Not .	Applicable							
50	Absolute value	(Rs. Crore)														
51	Rate	(%)					-							-	-	
	i) Ash Utilisation Expenses *	(Rs. Crore)		4.40	1,1	4.51	4.50	100	4.55	1.50	4.50	2.07	4.00	2.34	- 2.07	- 2.40
	AFC Energy Charge	(Rs./kWh) (Rs./kWh)	1.44 2.28	1.48 2.22	1.42 2.22	1.51 2.70	1.56 2.86	1.60 3.10	1.55 3.57	1.53 3.47	1.52 3.11	3.01	1.86 3.63	4.01	2.97 3.32	2.49 3.31
55	Supplemental Energy Charges - Emission Control	(Rs./kWh)	2.20	2.22	2.22	2.70	2.00		Applicable	5.47	3.11	5.01	5.05	4.01	0.02	5.51
56	Total tariff	(Rs. kWh)	3.72	3.70	3.64	4.21	4.42	4.70	5.12	5.00	4.63	5.08	5.49	6.35	6.29	5.80
57	Revenue realisation before tax	(Rs. Crore)														
58	Revenue realisation after tax	(Rs. Crore)														
	Profit/ loss *	(Rs. Crore)	328.71		663.18	894.72	2,415.38	1,003.96	896.42	746.65	824.80	879.28	855.50	805.81	686.47	(25.32)
	DSM Generation	(MU)	(0.86)		190.99	(86.89)	(176.22)	(198.32)	(229.85)	(240.05)	(249.92)	(141.20)	(375.18)	(117.27)	(101.91)	(155.63)
	DSM Rate	(Rs/kWh)	(4.03)		44.80	0.01	40.00	24.52	40.61	40.15	45.76	29.65	17.78	25.42	19.56	17.61
62	Revenue from DSM	(Rs. Crore)	(1.07)		44.80	6.64	13.82	24.52	40.61	48.15	45.76	29.65	17./8	25.42	19.56	17.61

63 Compensation received for operation below NAPAF	(Rs. Crore)					54.29	21.76	47.98	50.12	25.14
64 Part load Compensation received from beneficiriaes	(Rs. Crore)					54.29	21.76	36.44	45.48	24.32
65 Amount received from SCED	(Rs Crore)						-	10.26	3.15	1.71

** GCV of coal as received minus 85 kCal/Kg

^ Additional data related to Loading factor (%) submitted

DSM Revenue (-)Received / (+) Paid

* For entire Dadri Station (1820 MW)

*** Tariff related details for the period 2019-20 to 2021-22 is as per Petition filed before CERC

DETAILS OF EMISSION CONTROL SYSTEM

Generating company: NTPC Ltd

Name of Generating station: National Capital Thermal Power Station, Dadri Stage-II

Installed Capacity (MW): 980 MW

Type of Emission Control System: Wet based FGD System

Under Operation/Anticipated Operation Date:

S.No.	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22				
A					-						
1	Gross Generation	MU	5,640.09	6,203.87	4,222.11	3,187.53	3,896.93				
2	Auxiliary Consumption - emission control	MU		-	-						
	Auxiliary Consumption - emission control	%									
3	Auxiliary Consumption (Normative)	%									
4	Hours of Operation	Hrs	Wet type FGD syst	em date of op	eration for U#1 o	f Stage 2: 15th	June 2022				
5	O&M Expenses (Actual) with Breakup as per	Rs. Crore									
6	Other maintenace spares consumed	Rs. Crore									
7	Initial Spares consumed	Rs. Crore									

S.No.	Particulars	Units	Awarded Cost			
			Investment Approval	Approved*		
1	Capital Cost of Emission Control System					
1.1	Hard Cost (incl GST)	Rs. Crore	596.74	569.41		
1.1.1	Civil Works	Rs. Crore	•	-		
1.1.2	Plant and Machinery and others	Rs. Crore	-	_		
1.1.3	Initial Spares procured	Rs. Crore	1	_		
1.2	IDC	Rs. Crore	30.82	-		
1.3	IEDC	Rs. Crore	17.65	-		
1.4	Others. Pls specify	Rs. Crore	-	-		
1.4	Completed Cost	Rs. Crore	645.20	-		

^{*} Hard cost as approved by Hon'ble Commission vide its order dated 17.11.2021 in Petition No 499/MP/2020

DETAILS OF REAGENT USED FOR EMISSION CONTROL

Generating company: NTPC Ltd

Name of Generating station: National Capital Thermal Power Station, Dadri Stage-II

Installed Capacity (MW) :980 MW

Reagent Type: Limestone

Type of Emission Control System Wet based FGD System

S.No.	Particulars	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
A.							
1	Average Stock of Reagent	MT	NA	NA	NA	NA	NA
2	Maximum Storage at Site	MT	NA	NA	NA	NA	NA
3	Maximum Storage at Site	Days	NA	NA	NA	NA	NA
В.			NA	NA	NA	NA	NA
1	Opening Stock of Reagent as on 1st April	MT	NA	NA	NA	NA	NA
2	Purity of Opening Stock (Reagent)	%	NA	NA	NA	NA	NA
3	Quantity of Reagent Supplied by Supplier	MT	NA	NA	NA	NA	NA
4	Adjustment (+/-) in Quanity Supplied	MT	NA	NA	NA	NA	NA
5	Net Quantity of Reagent Received	MT	NA	NA	NA	NA	NA
6	Total Cost of Reagent Received	Rs. Crore	NA	NA	NA	NA	NA
7	Cost of Reagent Received	Rs./MT	NA	NA	NA	NA	NA
8	Qty of Reagent Consumed	MT	NA	NA	NA	NA	NA
9	Closing Stock of Reagent as on 31st March	MT	NA	NA	NA	NA	NA
10	Purity of Reagent received	%	NA	NA	NA	NA	NA
11	Gross Generation	MU	NA	NA	NA	NA	NA
12	Fuel Type (coal/lignite)				Coal		
13	Sulphur content of Fuel	%	0.40	0.40	0.47	0.43	0.37
14	Gross SHR	kCal/kWh					
15	Design SO2 removal efficiency (Applicable for Wet FGD)	%			Not Applicable	;	
16	SO2 removal norm (100/200/600 mg/Nm3)	mg/Nm3	200.00	200.00	200.00	200.00	200.00
17	Weigthed Average Gross GCV of Fuel Received	kCal/kg	3,838	3,794	3,620	3,616	3,779