

Annexure-VI (C)

DETAILS OF WATER CHARGES						
	Name of the Company:	NTPC Ltd.				
	Name of the Power Station and Stage/Phase:	Bongaigaon Thermal Power Station (Non-Pit-head)				
						(Rs. In Lakhs)
Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
(A)	Plant	Bongaigaon Thermal Power Station (Non-Pit-head)				
1	Type of Plant	Coal Based Plant				
2	Type of Cooling Tower	Induced Draft				
3	Type of Cooling Water System	Induced draft cooling tower				
4	Any Special Features which may increase/reduce water consumption	Water charges not paid during this period.				
(B)	Quantum of Water : (Cubic Meter)					
5	Contracted Quantum					
6	Allocation of Water (MCM)					
7	Actual water Consumption					
8.	Rate of Water Charges					
9	Other charges/Fees , if paid as part of Water Charges					
10	Total water Charges Paid					

DETAILS OF OPERATIONS AND MAINTENANCE EXPENSES**Name of the Company: NTPC****Name of the Power Station or Transmission Region: Bongaigaon**

(Rs. In Lakhs)

Sl. No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
(A)	Details of Capital Spares in opening Stock	431.05	3,053.01	4,636.67	5,889.80	6,780.17
(B)	Details of Capital Spares procured during the year	2,776.90	1,670.06	1,985.09	1,859.73	6,314.99
(C)	Details of capital spares consumed during the year	154.94	86.4	731.96	969.36	606.07
(D)	Details of capital spares closing at the end of the	3,053.0	4,636.7	5,889.8	6,780.2	12,489.1

Details of Incidental Expenses during Construction (IEDC) with break-up for the Generating stations for which COD is declared after 1.4.2017

Sl. No.	Item-wise details of expenditure with break-up	Expenditure as on SCOD U#1	Expenditure as on SCOD U#2	Expenditure as on SCOD U#3	Expenditure as on (01.04.2016) COD of U#1	Expenditure as on (01.11.2017) COD of U#2	Expenditure as on (26.03.2019) COD of U#3	Time Overrun (Months) U#1	Time Overrun (days) U#2	Time Overrun (days) U#3	Time Overrun Allowed (days) U#1	Time Overrun Allowed (days) U#2	Amount in Lakhs	
													Time Overrun Allowed (days) U#3	
A	Head of Expenses:													
1	Salaries	3,090.39	3,783.32	4,589.49	20,227.52	22,943.39	24,483.02							
2	Contribution to PF	386.59	435.81	489.71	2,494.63	2,948.71	3,110.41							
3	Welfare exp	389.81	448.00	497.92	1,930.04	1,943.11	2,057.41							
4	Power Charges	398.73	524.27	687.00	4,125.04	5,035.89	5,501.83							
5	Water charges	0.29	0.29	0.29	0.29	0.29	0.29							
6	Rent	6.18	9.41	14.59	104.88	112.06	112.06							
7	Repair & Maintenance -Building	358.22	458.62	597.02	1,424.24	1,425.55	1,447.56							
8	Repair & Maintenance -Construction Equipment	0.08	0.57	1.51	15.20	15.92	29.78							
9	Repair & Maintenance - Others	216.36	301.42	412.18	2,858.18	3,311.58	3,589.12							
10	Insurance	3.70	8.34	16.38	72.07	72.07	72.07							
11	Rates & taxes	1.16	1.60	2.00	52.09	52.88	60.78							
12	Communication expenses	100.24	114.54	128.34	351.67	371.80	387.06							
13	Travel expenses	283.95	333.05	387.24	1,533.08	1,708.92	1,796.88							
14	Tender Expenses	211.03	217.97	224.77	386.82	416.57	416.57							
15	Advertisement & publicity	14.02	14.30	14.79	45.14	45.14	45.14							
16	Security expenses	1,381.24	1,789.74	2,228.38	10,516.97	12,425.87	12,425.87							
17	Entertainment exp	47.03	52.03	56.77	174.89	168.45	174.72							
18	Guest house expenses	29.17	33.00	38.55	163.22	160.63	160.63							
19	Brokerage and Commission	-	-	-	1.22	1.22	1.22							
20	Community development Exp	29.86	37.26	44.55	694.52	694.52	694.52							
21	Professional charges	32.97	36.19	40.63	92.32	112.96	112.96							
22	Legal Expenses	1.32	2.23	3.53	84.64	84.64	129.25							
23	EDP charges	31.46	40.39	49.45	166.54	166.59	166.59							
24	Printing expenses	17.91	20.81	24.26	97.26	97.91	98.09							
25	Workshop Expenses	3.60	3.60	3.60	4.70	4.70	4.70							
26	Veh hiring	111.98	140.33	176.75	712.96	753.71	778.62	1886	2341	2730	1303	Awaited	Awaited	
27	Transport vehicle running Exp	-	0.41	1.22	40.30	40.75	40.81							
28	Misc Expenses	231.92	305.45	409.01	2,577.65	3,032.94	3,253.64							
29	Depreciation(Intangible Assets)	-	-	-	15.79	15.79	15.79							
30	Depreciation (Tangible Assets)	91.39	119.19	150.84	1,411.40	1,818.87	1,818.87							
31	Adj of Deprn agnst op bal of retained earnings	-	-	-	15.15	15.15	15.15							
32	Bank Charges	-	3.74	11.22	84.64	84.68	84.65							
33	Others	77.49	84.80	84.80	98.61	98.61	98.61							
34	Books and Periodicals	6.90	7.06	7.24	12.38	12.41	12.41							
35	Prior Period Expenses - ERV-Other thab loans	39.65	39.65	39.65	39.65	39.65	39.65							
36	FBT	5.00	5.00	5.00	5.00	5.00	5.00							
37	PP exp.	-46.10	-67.14	-112.17	620.41	620.41	620.41							
38	Allocated by CC (Capital)	2,478.58	2,971.66	3,430.15	7,873.28	8,705.23	9,645.44							
	Total Expenses	10,032.14	12,276.92	14,756.65	61,224.39	69,564.57	73,507.59							
B.	Head of Income:													
1	Less Interest Others	-397.08	-430.01	-430.01	-471.56	-471.56	-471.56							
2	Less scrap sale	-	-0.00	-0.01	-19.56	-19.56	-19.56							
3	Less Misc Income	-171.35	-174.69	-163.57	-761.47	-777.90	-783.88							
4	Less Interest from Contractors	-	-33.53	-100.58	-693.88	-693.88	-693.85							
5	Less Power charges recovered	-1.69	-2.18	-2.83	-21.66	-21.66	-31.32							
6	Less sale of tender	-1.49	-1.70	-1.92	-4.22	-4.22	-4.22							
7	Less Transit Hostel recoveries	-0.18	-0.38	-0.73	-12.26	-12.35	-12.35							
8	Less PP Inc	-	-	-	-166.01	-166.01	-166.01							
9	Less Capt Hire Charges	-	-	-	-	-	-9.80							
10	Less EDC OCI Actuarial gain/loss	-	-	-	-	-	136.81							
	Total IEDC	9,460.35	11,634.43	14,057.00	59,073.78	67,517.49	71,456.88							

As per Add sub dtd 04.08.2022 in 243GT2017

Annexure-XIX

	Name of Utility:	NTPC Ltd.					
	Name of Generating Station:	Bongaigaon Thermal Power Station					
	Station Configuration:	3X250 MW = 750 MW					
	Capacity (MW):	750					
	COD:	26.03.2019					
S.N	Particulars	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
1	Plant Availability Factor (PAF)	%	69.4	86.3	94.3	95.3	92.7
2	Plant Load Factors (PLF)	%	54.2	64.0	59.7	45.3	63.9
2a	Loading factor	%	76.6	74.8	66.8	60.9	70.6
3	Scheduled Energy	MU	1698.4	2778.5	3697.0	2705.4	3875.4
4	Scheduled Generation	MU	1698.4	2778.5	3697.0	2705.4	3875.4
5	Actual Generation	MU	1679.3	2824.4	3930.0	2976.7	4201.5
	Actual Generation (ex-bus)	MU	1544.5	2569.0	3567.6	2684.3	3815.3
	Actual energy supplied to beneficiaries (Long Term, Medium Term and Short Term)	MU	1425	2259	3672	2976	4320
6	Quantum of coal consumption	MT	872441	1527246	2324398	1697539	2511324
7	Value of coal	Rs. Lakh		16900	147772	78299	116402
8	Specific Coal Consumption	kg/kWh	0.519	0.541	0.591	0.570	0.598
9	Gross Calorific Value of Coal	(Kcal/ Kg)	4711.3	4526.5	4228.4	4451.8	4132.9
10	Heat Contribution of Coal	(Kcal/ kWh)	2447.7	2447.6	2500.9	2538.8	2470.3
11	Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)					
12	Quantum of Oil Consumption	(KL)	1881.1	1821.4	3179.6	2508.9	2148.0
13	Value of Oil	(Rs. lakh)		2146.4	1762.3	663.9	1504.8
14	Gross calorific value of oil	(kcal/lit)	9420.00	9416.32	9224.08	9459.25	9492.78
15	Specific Oil Consumption	(ml/kWh)	1.12	0.64	0.81	0.84	0.51
16	Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)					
17	Heat Contribution of Oil	(Kcal/ kWh)	5.85	5.55	7.46	7.97	4.85
18	Station Heat Rate	(Kcal/ kWh)	2454	2453	2508	2547	2475
19	Auxiliary Energy Consumption	(%)	8.02	9.04	9.13	9.70	9.10
20	Debt at the end of the year Average	(Rs. Crore)	1405.83	1293.24	3942.94	3761.99	3567.42
21	Equity - Average	(Rs. Crore)	673.23	674.31	1890.39	1911.87	1928.64
22	Working Capital – finally admitted by CERC	(Rs. Crore)	251.18	251.49	666.75	667.49	669.35
23	Capital cost – finally admitted by CERC (Closing)	(Rs. Crore)	2247.69	2247.69	6329.60	6416.20	6441.40
24	Capacity Charges/ Annual Fixed Cost (AFC)		472.90	467.04	1249.27	1227.67	1217.78
	(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009						
	Absolute value	(Rs. Crore)	132.66	132.87	355.05	359.09	362.24
	Rate	(%)	19.705	19.705	18.78	18.78	18.78

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	Capacity (MW):	750					
	COD:	26.03.2019					
S.N	Particulars	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
	(b) interest on Loan						
	Absolute value	(Rs. Crore)	121.32	110.50	300.11	266.26	244.79
	Rate – Weighted Average Rate	(%)	8.63	8.54	7.61	7.08	6.86
	(c) Depreciation (finally allowed by CERC)						
	Absolute value	(Rs. Crore)	115.0208	115.2058	229.61	232.52	234.90
	AAD						
	Rate	(%)			3.60	3.60	3.60
	(d) Interest on working Capital		32.15	32.19	80.34	75.09	70.28
	Absolute value	(Rs. Crore)	12.8	12.8	12.05	11.25	10.50
	Rate	(%)					
	(e) Operation and maintenance cost (finally admitted by CERC)						
	Absolute value	(Rs. Crore)	71.75	76.28	284.16	294.71	305.57
	Rate	(%)			Not applicable		
	(f) Compensation Allowances				Not applicable		
	(g) Special Allowance				Not applicable		
	h) Supplementary Tariff - Emission Control						
	Absolute value	(Rs. Crore)					
	Rate	(%)			Not applicable		
	i) Ash Utilisation Expenses	(Rs. Crore)					
25	AFC	(Rs./ kWh)	2.54	2.44	2.41	2.41	2.41
26	Energy Charge	(Rs./kWh)	2.98	3.06	3.41	3.37	3.19
26.1	Supplemental Energy Charges - Emission Control	(Rs./kWh)					
27	Total tariff	(Rs. kWh)	5.521	5.499	5.816	5.776	5.596
28	Revenue realisation before tax	(Rs. Crore)					
29	Revenue realisation after tax	(Rs. Crore)					
30	Profit/ loss	(Rs. Crore)	-62.0	157.8	333.1	478.1	349.0
31	DSM Generation	(MU)	-153.9	-209.5	-129.4	-21.1	-60.1
32	DSM Rate	(Rs/kWh)					
33	Revenue from DSM	(Rs. Crore)	7.37	8.76	14.25	5.35	15.89
34	Compensation received for operation below NAPAF	(Rs. Crore)	10.87	26.77	53.65	63.70	48.79
35	Part load Compensation received from beneficiariaes	(Rs. Crore)	10.87	26.77	43.90	54.13	42.68
36	Amount received from SCED	(Rs Crore)	0.00	0.00	11.36	3.01	2.40

Note : 2019-24 order not issued data as per petition.

DSM Revenue (-)Received / (+) Paid

2a Extra Row inserted .

Gross calorific value indicated for 2019-20,2020-21,2021-22 here after adjusting 85 kcal storage loss