

Annexure-I

Station Name: NNTPS (Neyveli New Thermal Power Station)

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

	Particulars	Units	2019-20	2020-21	2021-22	
1	Name of Company		NNTPS			
2	Name of Station/ Pit head or Non- Pit head		Pit Head			
	Stage					
3	Installed Capacity and Configuration		1000 MW			
3.1	Date of Commercial Operation - Unit Wise		Unit-1 (COD 28.12.19) Unit-2 (COD 10.02.21)			
3.2	Effective COD		10-02-2021			
	Make of Turbine		BHEL(Design- KWU, West Germany)			
4	Rated Steam Parameters (Also state the type of Steam turbine and Boiler)		Steam Turbine Type- Three Cylinder Reheat Condensing Turbine Boiler Type- Once Through, Benson Type, Balanced Draft, Tower Type Rated MS Temperature - 537°C Rated HRH Temperature- 565°C			
5	Type of BFP		Electrical Driven & Steam driven			
	Quantity		4 TDBFP (U-1 Two, U-2 Two) 2 MDBFP (U-1 One, U-2 One) as Standby			
6	Circulating water system		Closed cycle			
7	Any other Site specific feature					
	Unit heat rate		2727.78	2610.24	2642.31	
	Boiler efficiency		75.32%			
	Turbine cycle heat rate		1929.3 kCal /kWhr			
8	Fuels :					
8.1	Primary Fuel :		Lignite			
8.1.1	Annual Allocation under FSA	MT	Not applicable (Lignite is taken from the linked Mine)			
	Annual Consumption		5,62,608.82	33,67,230.00	61,80,882.88	
8.1.2	Sources of supply/ procurement along with contracted quantity and grade of Coal/Lignite					
8.1.2.1	FSA	LoA	MT	Not applicable	Not applicable	Not applicable
		MoU	MT	Not applicable	Not applicable	Not applicable
8.1.2.2	Imported*		MT	Not applicable	Not applicable	Not applicable

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8.1.2.	Spot Market/e-auction*	MT	Not applicable	Not applicable	Not applicable
8.1.3	Transportation Distance of the station from the sources of supply	KM	3km		
8.1.4	Mode of Transport		Conveyor		
8.2	Secondary Fuel :				
8.2.1	Annual Allocation/ Requirement	KL	As per the requirement		
8.2.2	Sources of supply		Oil Companies		
8.2.3	Transportation Distance of the station from the sources of	KM	220km (from Chennai)		
8.2.4	Mode of Transport		Road		
8.2.5	Maximum Station capability to stock secondary fuels	KL	4000 kl/450 kl		
8.2.6	Maximum Stock of secondary oil actually maintained	KL	3980.823 / 459.046	3892.894 / 492.422	3018.817 / 374.806
8.2.7	Minimum Stock of secondary oil actually maintained	KL	2666.264 / 197.552	2812.785 / 248.414	978.181 / 118.021
8.2.8	Average Stock of secondary oil actually maintained	KL	3512.688 / 374.113	3598.866 / 370.336	2240.722 / 272.092
9.	Cost of Spares :				
9.1	Cost of Spares capitalized in the books of accounts	(Rs. Lakh)	-		
9.2	Cost of spares included in capital cost for the purpose of	(Rs. Lakh)	-		
9.3	Initial spares-list, quantity and cost	(Rs. Lakh)	-	-	-
9.4	Maintenance spares - cost	(Rs. Lakh)	52.15	565.80	2186.28
9.5	Other spares procured with high lead procurement time	(Rs. Lakh)	-	-	-
10	Generation :				
3146.7	-Actual Gross Generation at generator terminals	MU	559.829	3349.825	6177.895
10.2	-Actual Net Generation Ex-bus	MU	506.455	3087.064	5757.903
10.3	-Scheduled Generation Ex-bus	MU	480	2893	5478
11	Average Declared Capacity (DC)	MW	224	301	641
	Actual Declared Capacity	MU	511	2993	5619
	Deemed Declared Capacity	MU	29.061	82.446	146.158
249	Actual Auxiliary Energy Consumption	MU	53.374	262.761	419.992
13	Actual Energy supplied to Colony from the station(Mines+township)	MU	42.156	234.829	350.149
	Actual energy supplied to construction activities		-	-	-

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Particulars		Units	2019-20	2020-21	2021-22
Actual energy supplied to long term and medium term beneficiaries			-	-	-
Actual energy supplied in short term			-	-	-
Energy supplied under bilateral arrangements			-	-	-
Energy supplied through excahnages			0.00	139.56	114.98
Energy supplied under DSM		MU	-21.626	-47.570	-70.522
Energy supplied SCED		NA	0	0	0
14	Primary Fuel :				
14.1	Consumption :		5,62,608.82	29,34,366.09	61,80,882.88
14.1.1	Domestic Coal/Lignite	From Linked Mines	5,62,608.82	29,34,366.09	61,80,882.88
		From Non-Linkd Mines	Not applicable	Not applicable	Not applicable
		From Integerated Mines	Not applicable	Not applicable	Not applicable
14.1.2	Imported Coal/Lignite		Not applicable	Not applicable	Not applicable
14.1.3	Spot market/e-auction Coal/Lignite		Not applicable	Not applicable	Not applicable
14.2	Gross Calorific Value (GCV) :				
14.2.1	Domestic Coal/Lignite (for each type)	(As Billed) - EM Basis as per third party	2606	2575	2628
		(As Received) - TM Basis as per	-	-	-
14.2.2	Imported Coal/Lignite	(As Billed) - ADB Basis	-	-	-
		(As Received) - ADB Basis	-	-	-
14.2.3	Spot market/e- auction Coal/Lignite	(As Billed)	-	-	-
		(As Received)	-	-	-
14.2.4	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) (As Billed)		2606	2575	2628

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	Particulars	Units	2019-20	2020-21	2021-22
14.2.5	Weighted Average Gross Calorific value (Domestic+Imported+Spot/e-auction) (As Received)	kCal/kg	-	-	-
	Ash content in Coal/Lignite (%)		7.426	8.385	6.758
14.3	Price of Coal/Lignite :				
	Billed Cost (including adjustments)		-	-	-
	Amount Charged by transporting agency upto delivery point		-	-	-
14.3.1	Weighted Average Landed price of Domestic Coal/Lignite	(Rs/MT)	2241.585	2225.809141	2132.2392
	Components of landed cost and break up		-	-	-
14.3.2	Weighted Average Landed Price of Imported Coal/Lignite	(Rs/MT)	Not applicable	Not applicable	Not applicable
	Components of landed cost and break up		Not applicable	Not applicable	Not applicable
14.3.3	Weighted Average Landed Price of Spot market / e-auction	(Rs/MT)	Not applicable	Not applicable	Not applicable
	Components of landed cost and break up		Not applicable	Not applicable	Not applicable
14.3.4	Weighted Average Landed Price of all the Coal/Lignites	(Rs/MT)	2241.59	2225.81	2132.24
14.4	Blending :	% and MT (of the total Coal/Lignite consumed)	Not applicable	Not applicable	Not applicable
	Blending ratio of imported Coal/Lignite with domestic Coal/Lignite	Equivalent to domestic Coal/Lignite	Not applicable	Not applicable	Not applicable
14.4.2	Proportion of e-auction Coal/Lignite in the Coal/Lignite stockyard capacity	MT	Not applicable	Not applicable	Not applicable
			2,30,000		
14.5	Actual daily Average Coal/Lignite stock maintained	MT			
		Days			
14.5	Actual Transit & Handling Losses for Coal/Lignite/Lignite		-	-	-
14.5.1	Pit- Head Station				
14.5.1.1	Transit loss from linked mines	%	-	-	-
14.5.1.2	Transit loss from non-linked mines including e-auction	%	Not applicable	Not applicable	Not applicable
14.5.1.3	Transit loss of imported Coal/Lignite	%	Not applicable	Not applicable	Not applicable
14.5.2	Non-Pit Head station				
14.5.2.1	Transit loss from linked mines	%	Not applicable	Not applicable	Not applicable

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	Particulars	Units	2019-20	2020-21	2021-22	
14.5.2.2	Transit loss from non-linked mines including e-auction	%	Not applicable	Not applicable	Not applicable	
14.5.2.3	Transit loss of imported Coal/Lignite	%	Not applicable	Not applicable	Not applicable	
15	Secondary Fuel Oil :					
15.1	Consumption	HFO	KL	4,399.45	6,683.11	7,317.75
		LDO	KL	577.76	854.52	1,133.00
15.2	Weighted Average Gross Calorific value (As received)	HFO	(kCal / Lit.)	9,700.00	9,937.00	9,787.00
		LDO	(kCal / Lit.)	9,185.00	9,218.00	9,180.00
15.3	Weighted Average Price	HFO	(Rs / KL)	49,607.82	35,523.03	48,603.49
		LDO	(Rs / KL)	35,158.14	47,578.48	56,177.85
15.4	Actual Average stock maintained	HFO	KL	3,512.69	3,598.87	2,240.72
		HSD	KL	374.11	370.34	272.09
16	Weighted average duration of outages(unit-wise					
16.1	Planned Outages	(Days)	Nil	33.46	74.12	
16.2	Forced Outages	(Days)	36.5	39.16	78.7	
	Within control of generator					
	beyond control of generator		36.5	39.16	78.7	
16.3	Number of tripping	Nos.	17	25	35	
16.4	Number of start-ups:	Nos.	17	27	38	
16.4.1	Cold Start-up	Nos.	3	7(PO: 2 Nos)	13(PO: 2 Nos)	
16.4.2	Warm Start-up	Nos.	7	6	6	
16.4.3	Hot start-up	Nos.	7	14	19	
17.0	NOx , SOx and other particulate matter emission in : at conditions specified by MoEF&CC			PM-30 mg/Nm3 SO2- 100 mg/Nm3		
17.1	Design value of emission control equipment (specify					
	FGD installation date			LOA issued to M/s. L&T, Vadodara on 31.01.2022 for Supply, Erection & Commissioning of FGD. At present, civil works under progress.		
	NOX Control system installation date			OFA (Over-Fire Air) system is already installed in order to have a staggered combustion to reduce the thermal NOx.		

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Particulars		Units	2019-20	2020-21	2021-22	
17.2	Actual emission (Stage-I)	SPM	mg/Nm ³	NA	39	39
		NOX	mg/Nm ³	NA	258	142
		SOX	mg/Nm ³	NA	681	1497
	Actual emission (Stage-II)	SPM	mg/Nm ³	NA	46	48
		NOX	mg/Nm ³	NA	283	146
		SOX	mg/Nm ³	NA	592	1499
19	Detail of Ash utilization % of fly ash produced	Qty Produced in T	15818	208853.6	312684	
20	Cost of spares actually consumed	(Rs. Lakh)	52.154	565.799	2186.279	
21	Average stock of spares	(Rs. Lakhs)	15.65	169.74	655.88	
22	Number of employees deployed in O&M	Nos.				
22.1	- Executives	Nos.	201	184	163	
22.2	- Non Executives	Nos.	83	143	160	
22.3	- Corporate office	Nos.	Counted separately for NLCIL as a company			
23	Man-MW ratio	Man/MW	0.284	0.327	0.323	
24	Generation Switchyard Details					
	No. of Bays voltages wise					
	i)400 KV	Nos	12	12	12	
	ii)200 KV	Nos	13	13	13	
	ICT - nos and rating					
	i)ICT nos		2	2	2	
	ii)ICT rating		500 MVA,400/220 kv	500 MVA,400/220 kv	500 MVA,400/220 kv	
	Dedicated transmission line - voltage and length					
	NNTPS-Kalivanthapattu		400 kV, 259.4 km	400 kV, 259.4 km	400 kV, 259.4 km	
	NNTPS-Pugalur		400 kV, 258.062 km	400 kV, 258.062 km	400 kV, 258.062 km	
	NNTPS-Pondicherry		400 kV, 67.58 km	400 kV, 67.58 km	400 kV, 67.58 km	
	NNTPS-Salem				400 kV, 187.84 km	
	NNTPS-Tantransco1		220 kV, 1 km	220 kV, 1 km	220 kV, 1 km	
	NNTPS-Tantransco2		220 kV, 1 km	220 kV, 1 km	220 kV, 1 km	
	NNTPS-TPS2 tie1		220 kV, 6.63 km	220 kV, 6.63 km	220 kV, 6.63 km	

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	Particulars	Units	2019-20	2020-21	2021-22
	NNTPS-TPS2 tie2		220 kV, 6.2 km	220 kV, 6.2 km	220 kV, 6.2 km
	NNTPS-TPS1 tie1		220 kV, 3.07 km	220 kV, 3.07 km	220 kV, 3.07 km
	NNTPS-TPS1 tie2		220 kV, 2.6 km	220 kV, 2.6 km	220 kV, 2.6 km
	Mines Feeder 1		220 kV, 7.3 km	220 kV, 7.3 km	220 kV, 7.3 km
	Mines Feeder 2		220 kV, 7.3 km	220 kV, 7.3 km	220 kV, 7.3 km

Annexure-IV

Generating company: NLC India Limited

Name of Generating station: NNTPP

Installed Capacity (MW) : 2x500 MW

Normative Annual Plant Availability Factor (%) approved by Commission : 85%

Plant Availability Factor Achieved (%)						
Month	2019-20	2020-21		2021-22		
		Peak	Off Peak	Peak	Off Peak	
Apr	-	74.899	76.328	75.15	74.883	
May		88.478	88.703	69.021	69.405	
Jun		67.523	69.197	66.348	66.331	
Jul		88.582	88.3	97.481	97.041	
Aug		32.887	32.72	52.346	52.827	
Sep		77.052	78.481	84.088	82.819	
Oct		78.444	78.996	48.028	48.028	
Nov		76.909	77.273	45.71	45.159	
Dec		54.81	57.318	78.099	78.543	
Jan		43.162	61.419	61.607	93.972	93.247
Feb		68.83	56.487	56.621	88.095	88.006
Mar		48.401	67.284	67.678	82.022	83.349

Plant Load Factor Achieved (%)				
Month	2019-20	2020-21	2021-22	
Apr	-	67.54	74.95	
May		82.08	67.40	
Jun		64.56	64.40	
Jul		84.66	91.24	
Aug		31.43	52.76	
Sep		76.25	78.76	
Oct		80.74	48.25	
Nov		80.70	47.01	
Dec		57.02	72.84	
Jan		40.84	62.23	84.38
Feb		67.48	56.72	84.32
Mar		43.91	68.31	80.77

Annexure-V (C)

Name of the Company: NLC India Limited

CoD of Units/Stations: Unit-1 (COD 28.12.19) Unit-2 (COD 10.02.21)

Name of the Power Station: NNTPS

Details of expenditure incurred from Compensation Allowance and Special Allowance during the Period 2009-10 to 2021-22

FY Year	Add- cap allowed by the Commission under the provision of Regulation 9(2)	Compens atory allowance allowed by the Commission, if any	Special allowance allowed by the Commission, if any	Details of Asset/Work wise Capitalisation based on the Expenditure allowed by the Commission in the tariff period 2009-22						Capitalisatio n done which has not been claimed/ allowed in the tariff	Total Addition during the year	Total Additi on durin g the year as per duly audit ed Schedule of Fixed Asset	Variation if any to be reconciled /justifi ed.
				Capitalisation out of add cap allowed under Regulation 9(2)		Capitalisation out of Compensation allowance in the stations wherever applicable		Capitalisation out of Special Allowance allowed in the stations where applicable					
				Asset/work	(Rs.lakh)	Asset/work	(Rs.lakh)	Asset/work	(Rs.lakh)				
2019-20	NIL as Units were Commissioned during 2019 and 2020												
2020-21													
2021-22													

Annexure-VI (C)

DETAILS OF WATER CHARGES

Name of the Company: NLCIL

Name of the Power Station and Stage/Phase: NNTPP

(Rs. In Lakhs)

Sl.No.	ITEM	2019-20	2020-21	2021-22
1	2	5	6	7
(A)	Plant			
1	Type of Plant	Lignite Based Power Plant	Lignite Based Power Plant	Lignite Based Power Plant
2	Type of Cooling Tower	NDCT	NDCT	NDCT
3	Type of Cooling Water System	Circulating Water System	Circulating Water System	Circulating Water System
4	Any Special Features which may increase/reduce water consumption	Soft water and OrganoPhospate treatment	Soft water and OrganoPhospate treatment	Soft water and OrganoPhospate treatment
(B)	Quantum of Water : (Cubic Meter)			
5	Contracted Quantum	Own source	Own source	Own source
6	Allocation of Water	Own source	Own source	Own source
7	Actual water Consumption	14,56,850	87,18,470	1,49,83,190
8.	Rate of Water Charges (Rs in Lakhs)		265.414	474.371
9	Other charges/Fees, if paid as part of Water Charges		-	-
	Total water Charges Paid (Rs in Lakhs)		265.414	474.371

Note:

Any abnormal increase in Water consumption & water Charges on any year shall be explained separately

Annexure VI (D)

DETAILS OF OPERATIONS AND MAINTENANCE EXPENSES

Name of the Company: NLC India Limited

Name of the Power Station: NNTPP

(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	Station Commissioned in 2019 and 2020				
(B)	Details of Capital Spares procured during the year					
(C)	Details of capital spares consumed during the year					
(D)	Details of capital spares closing at the end of the					

Annexure VIII

Details of actual O&M expenses (Common for Hydro /Thermal Generating Station)

Name of the Company: NLC India Limited

Name of the Power Station: NNTPS

Sl. No.	Item	2019-20	2020-21	2021-22
1	Consumption of stores & spares	52.15	565.80	2,186.28
2	Repair & Maintenance	703.37	1,581.37	4,829.06
3	Insurance	93.60	470.48	813.60
4	Security	-	-	-
4.1	CISF	275.05	542.16	978.25
4.2	Other than CISF	-	-	-
5	Water Charges	-	265.41	474.37
6	Administrative Expenses	-	-	-
6.1	Rent	-	0.12	-0.12
6.2	Electricity charges	-	-	-
6.3	Travelling & Conveyance	105.08	73.56	135.71
6.4	Communication Expenses	10.43	1.12	7.33
6.5	Advertising	-	-	-
6.6	Foundation Laying & Inauguration	-	-	-
6.7	Donation	-	-	-
6.8	Entertainment	0.59	0.49	0.76
6.9	Filing fee	-	-	-
	Subtotal (Administrative Expenses)			
7	Employee Cost	-	-	-
7.1.1	Salaries, Wages & Allowances	-1,067.95	3,766.97	8,996.99
7.1.1.1	Salaries, Wages & Allowances (including loco pilots and man power associated with stone and metal picking charges and water pumping)	-	-	-
7.1.1.2	Salaries, Wages & Allowances (Excluding loco pilots and man power associated with stone and metal picking charges and water pumping)	-	-	-
7.1.1.3	Loco pilots	-	-	-
7.1.1.4	Stone and metal picking	-	-	-
7.1.1.5	Water pumping	-	-	-
7.1.2	Pension	357.48	282.05	662.59
7.1.3	Gratuity	66.51	52.53	91.88
7.1.4	Provident Fund	430.05	339.87	800.97
7.1.5	Leave Encashment	550.24	328.93	481.92
7.2	Staff welfare expenses	-	-	-
7.2.1	Medical expenses on superannuated employees	-	-	-
7.2.2	Medical expenses on regular employees & others	48.77	59.31	157.89
7.2.3	Uniform/Livries & safety equipment	-	-	-
7.2.4	Canteen expenses	88.62	70.95	68.53
7.2.5	Other staff welfare expenses	25.56	20.21	324.68
	Subtotal (Staff welfare Expenses)			
7.3	Productivity linked Incentive & PRP	799.14	616.65	-185.98
7.4	Expenditure on VRS	-	-	-
7.5	Ex-gratia	-	-	-
7.6	Performance Related Pay	-	-	-
	Sub Total (Employee Cost)			
8	Loss of Store	-	-	-
9	Provisions	-	-	-
10	Prior Period Expenses	-	-	-

Annexure VIII

Details of actual O&M expenses (Common for Hydro /Thermal Generating Station)

Name of the Company: NLC India Limited

Name of the Power Station: NNTPS

Sl. No.	Item	2019-20	2020-21	2021-22
11	Corporate Office expenses allocation	246.00	6,940.00	10,623.00
12	Others	-	-	-
12.1A	Rates & Taxes	8.81	59.38	432.42
12.2A	Water cess	-	-	-
12.3	Training & recruitment expenses	-	-	0.72
12.4	Tender Expenses	7.25	1.26	-
12.5	Guest house expenses	-	-	-
12.6	Education expenses	-	-	-
12.7	Community Development Expenses	-	-	-
12.7.1	CSR activities	-	-	-
12.8	Ash utilisation expenses	-	-	-
12.9	Books & Periodicals	0.08	0.08	0.01
12.1	Professional Charges	-	-	25.75
12.11	Legal expenses	0.66	0.34	74.16
12.12	EDP Hire & other charges	-	-	-
12.13	Printing & Stationery	2.53	3.31	1.23
12.14	RLDC Fee & Charges	-	-	-
12.15	Brokerage & Commission	-	-	-
12.16	Bank charges	5.97	0.45	0.03
12.17	Claims/advances written off	-	-	-
12.18	Hiring of vehicle	-	-	-
12.19	Payment to auditors	-	-	-
12.2	Misc. Expenses	-	-	-
	(Break-up Of Misc.)			
12.20.1	Horticulture	-	-	-
12.20.2	Transport- Vehicle Running exp.	-	-	-
12.20.3	Hire charges & Operating Exp -Construction equipment	-	-	-
12.20.4	Tree Plantation exp.	-	-	-
12.20.5	R&D expenses	-	-	-
12.20.6	Other Vehicles	-	-	-
12.20.7	Consumption-HSD/LDO-(Ind/Imp)-DG Set	-	-	-
12.20.8	Exp/ Inc from Inv Diff	-	-	-
12.20.9	Loss on sale of Investments	-	-	-
12.20.10	Operating exp of diesel generating sets	-	-	-
12.20.11	Furnishing Expenses	-	-	-
12.20.12	Subscription to Trade and Other Association	-	-	-
12.20.13	Hire Charges - Helicopter/Aircraft	-	-	-
12.20.14	Visa & Entry Permit Charges - Overseas	-	-	-
12.20.15	FX Monitoring Terminal Expenses	-	-	-
12.20.16	Works/Conf.(Excl train R&D CENPEEP)Earlier Non FBT	-	-	-
12.20.17	Workshop/Conf. Exp (train R&D CENPEEP) Earlier FBT	-	-	-
12.20.18	Hire charges - Office equipment	-	-	-
12.20.19	Payment for health club etc	-	-	-
12.20.20	Gifts liable for Fringe Benefit Tax	-	-	-
12.20.21	Festival expenses liable Earlier (FBT)	-	-	-
12.20.22	Miscellaneous Expenses	57.18	228.46	673.68
12.20.23	Rounding Off Difference	-	-	-
12.20.24	Regional Power Committee Expenses	-	-	-

Annexure VIII**Details of actual O&M expenses (Common for Hydro /Thermal Generating Station)****Name of the Company: NLC India Limited****Name of the Power Station: NNTPS**

Sl. No.	Item	2019-20	2020-21	2021-22
12.20.25	Misc Exp. trf to CSR and IEDC	-	-	-
12.20.26	Specify other sub head, if any.	-	-	-
	Sub Total (Others)			
13	(Total 1 to 12)	2,867.19	16,271.25	32,655.70
14	Revenue / Recoveries			
15	Net Expenses			
	Total O&M Cost	2,867.19	16,271.25	32,655.70

DETAILS OF O & M EXPENSES (At Corporate Level/Regional Level)

Name of the Company: NLC India Limited

(Rs. In Lacs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
(A)	Breakup of corporate expenses (Aggregate at Company level)					
1	- Employee expenses:					
1.1	-Salaries, wages and allowances	57,970.97	70,451.43	72,053.79	72,317.19	71,203.12
1.2	-Staff welfare expenses	3,725.35	3,375.08	3,193.24	2,866.44	4,165.29
1.2.1	Medical expenses on superannuated employees	-	-	-	-	-
1.2.2	Medical expenses on regular employees & others	1,402.73	1,616.25	1,659.62	1,308.78	1,591.00
1.2.3	Canteen expenses	169.32	137.25	122.79	780.02	219.92
1.3	-Productivity linked incentive & PRP	2,630.25	3,660.17	6,548.62	2,874.54	9,497.91
1.4	- Expenditure on VRS	1.14	1,315.45	62.11	-	-
1.5	-Ex-gratia	-	-	-	-	-
1.6	-Performance related pay	-	-	-	-	-
1.7	VII Pay Arrears Paid Pertaining to period prior to 2017-18	-	-	-	-	-
1.7.1	Pension contribution for serving	3,535.46	3,535.51	4,476.52	4,434.52	4,482.28
1.7.2	pension for retired	-	-	-	-	-
	Sub - Total (Employee Expenses)	69,435.22	84,091.13	88,116.70	84,581.48	91,159.52
2	Administrative Expenses:					
2.1	- Repair and maintenance	8,231.47	5,418.20	5,575.76	10,347.21	9,292.05
2.2	- Training and Recruitment	1,090.35	262.75	194.24	184.86	690.59
2.3	- Communication	208.22	183.38	98.89	122.13	174.62
2.4	- Traveling & Conveyance	1,171.50	2,636.08	3,810.40	2,205.32	2,381.29
2.5	- Rent	144.70	166.55	143.94	116.23	112.55
2.6	Others (Specify items): Stores and Spares	2,275.65	2,135.94	1,665.16	2,157.99	2,812.48
2.6.1	Advertisement and publicity	165.07	247.17	110.77	4.80	57.89
2.6.2	Books & Periodicals	22.63	45.35	42.67	21.94	7.14
2.6.3	EDP Hire and other charges	-	-	-	-	-
2.6.4	Education expenses	-	-	-	-	-
2.6.5	Entertainment and hospitality expenses	2.53	3.12	3.73	3.29	2.73
2.6.6	Fin Expenses-IndAS	-	-	-	-	-
2.6.7	Guest house expenses	-	-	-	-	-

DETAILS OF O & M EXPENSES (At Corporate Level/Regional Level)

Name of the Company: NLC India Limited

(Rs. In Lacs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
2.6.8	Hiring of Vehicles	-	-	-	-	-
2.6.9	Insurance	224.98	471.50	266.35	374.52	432.45
2.6.10	Legal Expenses	199.05	234.67	119.12	97.22	167.44
2.6.11	Miscellaneous Expenses	1,391.17	5,898.00	6,818.91	7,298.35	4,522.30
2.6.12	Community development Exp.	-	-	-	-	-
2.6.13	Others.	-	-	-	-	-
2.6.14	Payment to auditors	60.13	45.32	60.45	57.70	66.79
2.6.15	Power Charges	5,477.13	4,919.13	5,442.00	5,279.00	5,213.00
2.6.16	Printing and Stationery	170.44	150.91	124.33	64.95	71.01
2.6.17	Professional charges & consultancy fees	106.37	123.09	120.13	112.37	139.58
2.6.18	R&D EXPS	-	-	-	-	-
2.6.19	Rates and taxes	101.36	108.49	298.32	469.05	302.31
2.6.20	Tender expenses	558.58	527.68	355.80	232.72	37.62
2.6.21	Trpt Veh running Exp.	-	-	-	-	-
2.6.22	Water charges	-	-	-	-	-
2.6.23	Workshop & Conf. Exp.	-	-	-	-	-
2.6.24	Filing fee	-	-	-	-	-
2.6.25	CSR expenses	3,112.86	4,253.71	7,088.10	3,785.53	3,525.55
	Sub - Total (Administrative Expenses)	24,714.21	27,831.03	32,339.08	32,935.20	30,009.41
3	Security	-	-	-	-	-
3.1	CISF	-	-	16,148.44	15,563.25	16,834.58
3.2	Non CISF	-	-	-	-	-
4	Donations	-	1,512.49	201.55	0.02	2.10
5	Provisions	838.51	1,008.75	-231.72	33,398.70	25,606.61
5A	Depreciation	3,189.00	3,749.00	3,617.00	4,628.00	3,273.00
	on account of Corporate/ Regional establishment	-	-	-	-	-
	On account of others (specify)	-	-	-	-	-
5B	Prior period expenses	-	-	-	-	-
6	Others (specify items)					
7	Total (1 to 6)	98,177	1,18,192	1,40,191	1,71,107	1,66,885
8	Less recoveries (if any)	-17,078	-12,308	-9,549	-8,277	-6,101

DETAILS OF O & M EXPENSES (At Corporate Level/Regional Level)

Name of the Company: NLC India Limited

(Rs. In Lacs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
9	Net Corporate Expenses (Aggregate)	81,099	1,05,884	1,30,642	1,62,830	1,60,784
(B)	Allocation of Corporate Expenses to					
1	Power Generation/Transmission O&M	-	-	-	-	-
2	Project management/Projects under Construction	-	-	-	-	-
3	RLDC and ULDC	-	-	-	-	-
4	Consultancy Business	-	-	-	-	-
5	Telecommunication Business	-	-	-	-	-
6	Any other	-	-	-	-	-
	Note: Heads indicated above are illustrative. Generating companies or the transmission utilities may furnish the allocations in different functional activities suited to their company.			-		
(C)	Allocation of Corporate Expenses relating to functional activity of power Generation or the transmission to various generating stations or the transmission region/systems as the case may be. (Section 62 - cost plus projects)			-		
1	Generating station 1 / Transmission Region 1 / Mine 1	-	-	-	-	-
2	Generating station 2 / Transmission Region 2 / Mine 2.....	-	-	-	-	-
	Allocation of corporate expenses to other projects	-	-	-	-	-
	JVs / Subsidiary / section 63 - TBCB project	-	-	-	-	-

DETAILS OF O & M EXPENSES (At Corporate Level/Regional Level)

Name of the Company: NLC India Limited

(Rs. In Lacs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
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Yearwise allocation of Common Charges to NLCIL Units

	2017-18	2018-19	2019-20	2020-21	2021-22
BTPS Thermal	1.74%	1.40%	1.13%	0.93%	0.97%
BTPS Mines	0.44%	0.35%	0.28%	0.23%	0.24%
Mine I	24.84%	24.95%	30.22%	29.27%	29.41%
Mine IA	7.96%	8.00%	10.19%	10.13%	8.21%
Mine II	34.68%	34.83%	31.01%	29.33%	28.59%
TS I	8.72%	8.75%	0.00%	0.00%	0.00%
TPS I expn	3.27%	3.28%	3.80%	3.95%	4.74%
TPS II	14.93%	14.99%	17.89%	17.79%	17.45%
TPS- II EXP	3.43%	3.45%	3.91%	4.10%	3.78%
NNTPS	0.00%	0.00%	1.57%	4.26%	6.61%
	100.00%	100.00%	100.00%	100.00%	100.00%

Annexure-XIX

Name of Utility:	NLC INDIA Ltd
Name of Generating Station:	NNTPPS
Station Configuration:	
Capacity (MW):	2x500MW
COD:	Unit-1 (COD 28.12.19) Unit-2 (COD 10.02.21)

		Unit	2019-20	2020-21	2021-22
1	Plant Availability Factor (PAF)	%	51.240	68.644	73.257
2	Plant Load Factors (PLF)	%	48.68	67.27	70.52
3	Scheduled Energy	MU	480	2893	5478
4	Scheduled Generation	MU	480	2893	5478
5	Actual Generation	MU	559.83	3349.83	6177.89
	Actual Generation (ex-bus)	MU	469.07	2852.23	5407.75
	Actual energy supplied to beneficiaries	MU	484.345	2800.64	5411
6	Quantum of Coal/Lignite consumption	MT	5,62,608.82	29,34,366.09	61,80,882.88
7	Value of Coal/Lignite	Rs. Lakh	12,606.89	74,543.02	1,31,791.20
8	Specific Coal/Lignite Consumption	kg/kWh	0.966	1.019	0.992
9	Gross Calorific Value of Coal/Lignite	(Kcal/ Kg)	2606	2575	2628
10	Heat Contribution of Coal/Lignite	(Kcal/ kWh)	2640.50	2588.06	2629.03
11	Cost Of Specific Coal/Lignite Consumption	(Rs./kWh)	2.2519	2.2253	2.1333
12	Quantum of Oil Consumption	(KL)	4,977.21	7,537.63	8,450.75
13	Value of Oil	(Rs. lakh)	1,833.38	2,780.61	4,193.18
14	Gross calorific value of oil	(kcal/lit)	9732	9856	9706
15	Specific Oil Consumption	(ml/kWh)	8.97	2.25	1.37
16	Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)			
17	Heat Contribution of Oil	(Kcal/ kWh)	87.28	22.18	13.28
18	Station Heat Rate	(Kcal/ kWh)	2727.78	2610.24	2642.31
19	Auxiliary Energy Consumption	(%)	9.61714326	7.844032481	6.798300178
20	Debt at the end of the year	(Rs. Crore)	2,228.52	4,533.71	4,627.05
21	Equity - Average	(Rs. Crore)	964.46	2,038.92	2,140.72
22	Working Capital – finally admitted by CERC	(Rs. Crore)	305.55	617.03	621.79
23	Capital cost – finally admitted by CERC	(Rs. Crore)	3,244.27	6,808.98	7,462.46
24	Capacity Charges/ Annual Fixed Cost (AFC)		687.48	1,384.84	1,401.53
	(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009				
	Absolute value	(Rs. Crore)	181.15	382.95	402.07
	Rate	(%)	0.19	0.19	0.19
	(b) interest on Loan				
	Absolute value	(Rs. Crore)	185.66	340.91	309.29
	Rate – Weighted Average Rate	(%)	0.08	0.07	0.07
	(c) Depreciation (finally allowed by CERC)				
	Absolute value	(Rs. Crore)	163.65	344.98	364.10
	AAD				
	Rate	(%)	0.05	0.05	0.05

Annexure-XIX

Name of Utility:	NLC INDIA Ltd
Name of Generating Station:	NNTPPS
Station Configuration:	
Capacity (MW):	2x500MW
COD:	Unit-1 (COD 28.12.19) Unit-2 (COD 10.02.21)

	Unit	2019-20	2020-21	2021-22
(d) Interest on working Capital				
Absolute value	(Rs. Crore)	36.82	69.42	69.95
Rate	(%)	0.12	0.11	0.11
(e) Operation and maintenance cost (finally admitted by CERC)				
Absolute value	(Rs. Crore)	120.21	246.59	256.12
Rate	(%)			
(f) Compensation Allowances		-	-	-
(g) Special Allowance		-	-	-
(h) Supplementary Tariff - Emission				
Absolute value	(Rs. Crore)			
Rate	(%)			
(i) Ash Utilisation Expenses	(Rs. Crore)			2.36
25 AFC	(Rs./ kWh)	1.804	1.804	1.804
26 Energy Charge	(Rs./kWh)	2.308	2.306	2.193
26.1 Supplemental Energy Charges - Emission Control	(Rs./kWh)	-	-	-
27 Total tariff	(Rs. kWh)	4.112	4.11	3.997
28 Revenue realisation before tax	(Rs. Crore)	256.97	1,324.13	2,371.11
29 Revenue realisation after tax	(Rs. Crore)			
30 Profit/ loss (before tax)	(Rs. Crore)	-44.11	-33.41	254.56
31 DSM Generation	(MU)	-21.63	-47.57	-70.52
32 DSM Rate	(Rs/kWh)	2.84	3.38	3.26
33 Revenue from DSM	(Rs. Crore)	-6.14	-16.10	-22.97
34 Compensation received for operation below NAPAF		-	-	-
35 Part load Compensation received from beneficiriae	(Rs. Crore)	2.342	-	-
36 Amount received from SCED	(Rs Crore)	0	0	0

Annexure- XX**DETAILS OF Coal/Lignite/LIGNITE QUALITY (GCV) MEASURED AT LOADING END AND UNLOADING END ON EM AND TM BASIS DURING LAST FIVE YEARS DECLARED GRADE OF MINE AND DIFFERENCE IN GCV BETWEEN LOADING END AND UNLOADING END****Name of Generating Station: NNTPP****Name of Company: NLC India Limited****Date of Fuel Supply Agreement : No FSA, fuel supplied from own mine****Annual Contracted Quantity (as per FSA): NIL****Mode of transport: Conveyor**

SR No.	MONTH WISE	SOURCE OF Coal/Lignite/LIGNITE	DECLARED GRADE	QUANTITY (MT)	GCV (kCal/kg)
1	Jan-2020	Pit Head Mines		163586	2543
2	Feb-2020	Pit Head Mines		230154	2653
3	Mar-2020	Pit Head Mines		165631	2601
4	Apr-2020	Pit Head Mines		239480	2577
5	May-2020	Pit Head Mines		296900	2584
6	Jun-2020	Pit Head Mines		228003	2559
7	Jul-2020	Pit Head Mines		314810	2553
8	Aug-2020	Pit Head Mines		116819	2562
9	Sep-2020	Pit Head Mines		273402	2575
10	Oct-2020	Pit Head Mines		303198	2583
11	Nov-2020	Pit Head Mines		290083	2585
12	Dec-2020	Pit Head Mines		214458	2575
13	Jan-2021	Pit Head Mines		233809	2578
14	Feb-2021	Pit Head Mines		334503	2540
15	Mar-2021	Pit Head Mines		521764	2601
16	Apr-2021	Pit Head Mines		554784	2612
17	May-2021	Pit Head Mines		502107	2615
18	Jun-2021	Pit Head Mines		464445	2610
19	Jul-2021	Pit Head Mines		675305	2630
20	Aug-2021	Pit Head Mines		392038	2625
21	Sep-2021	Pit Head Mines		556400	2635
22	Oct-2021	Pit Head Mines		358987	2635
23	Nov-2021	Pit Head Mines		338497	2632
24	Dec-2021	Pit Head Mines		547309	2635
25	Jan-2022	Pit Head Mines		625005	2639
26	Feb-2022	Pit Head Mines		565845	2627
27	Mar-2022	Pit Head Mines		600162	2635

