

Pro-forma for furnishing Actual annual performance/operational data for the Gas/Liquid Fuel 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		FARIDABAD GAS POWER STATION					
3	Installed Capacity and Configuration	MW	431.586 MW, 2GT+1ST, 2*13.758MW+1*156.07 MW					
	Stage		GT-1	GT-2	ST			
3.1	Date of Commercial Operation - Unit Wise		1-Sep-99	1-Jan-00	1-Jan-01			
3.2	Effective COD		1-Jan-01					
4	Make of Turbine		SIEMENS-V 94.2 (GT),BHEL(ST)					
5	Rated Steam Parameters		Temp: 528°C, Pressure: 78 Kg /Cm2					
6	Average site ambient conditions		Amb. Temp -27°C, Amb Pr -988 Mbar, RH-60%					
7	Any other Site specific feature							
8	Fuels :							
8.1	Main/Primary Fuel		Natural Gas/RLNG					
8.1.1	Annual Allocation/ Requirement (MMSCMD)	Domestic gas	1.75	1.01	0.37	0.55	0.1	
		RLNG	1.28	2.11	3.04	2.25	1.52	
		Total	3.03	3.12	3.41	2.8	1.62	
8.1.2	Sources of supply		GAIL , GSPCL,SHELL,BPCL,HPCL					
8.1.3	Transportation Distance of the station from the Sources of supply	KM	100 (GAIL HVJ pipeline Zone-1, GSPL HP pipeline)					
8.1.4	Mode of Transport		Pipeline network for gas stations					
8.2	Alternate Fuel :		No alternate fuel firing facility is available					
8.2.1	Annual Allocation/ Requirement	Million Cubic meter or MT or Kilo Litre	NA					
8.2.2	Sources of supply		NA					
8.2.3	Transportation Distance of the station from the Sources of supply	KM	NA					
8.2.4	Mode of Transport		NA					
8.2.5	Maximum Station capability to stock secondary fuels	KL	NA					
9	Cost of Spares :							
9.1	Cost of Spares capitalized in the books	(Rs. Lakhs)	322.13	367.73	24.71	187.31	183.30	
9.2	Cost of spares included in capital cost for the purpose of tariff	(Rs. Lakhs)	0	0	0	0	0	
10	Generation :		0.00	0.00	0.00	0.00	0.00	
10.1	Actual Gross Generation at generator terminals	MU	837.33	597.10	555.14	901.84	120.29	
10.1.1	Total	MU	837.33	597.10	555.14	901.84	120.29	
10.1.2	On Gas	MU	837.33	596.79	555.14	901.84	114.00	
10.1.3	On Naphtha or any other liquid fuel	MU	0.00	0.30	0.00	0.00	6.29	
10.2	-Actual Net Generation Ex-bus	MU	811.28	577.99	536.25	876.39	110.01	
10.3	-Scheduled Generation Ex-bus	MU	842.93	605.41	548.73	900.96	126.45	
11	Average Declared Capacity (DC)	MW	343.08	393.27	412.40	407.19	369.46	
		DC Peak HD %	-	-	-	94.08	93.17	
		DC Off Peak HD %	-	-	-	93.85	94.32	
		DC Peak LD %	-	-	-	97.60	85.80	
		DC Off Peak LD %	-	-	-	98.16	86.43	
12	Actual Auxiliary Energy Consumption excluding colony consumption & agency power	MU	25.01	17.84	17.66	24.23	9.07	
13	Actual Energy supplied to Colony from the station and Agency Power	MU	1.04	1.27	1.23	1.22	1.21	
14	Main/Primary Fuel :							
14.1	Consumption	(MSCM, MT or KL) - Specific						
14.1.1	Natural Gas	APM Gas	MSCM	112.36	80.53	55.67	152.16	11.01
		Non-APM Gas	MSCM	49.84	36.09	32.93	24.69	6.57
14.1.2	RLNG	MSCM	20.43	15.09	34.76	21.02	8.20	
14.1.3	Liquid Fuel	KL	0.16	78.00	-	-	1,737.00	

DETAILS OF WATER CHARGES

Name of the Company: NTPC Ltd
Name of the Power Station and Stage/Phase: Faridabad GPS (431.586 MW)

(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					
1	Type of Plant	Gas Based combined cycle generation plant				
2	Type of Cooling Tower	IDCT				
3	Type of Cooling Water System	Circulating closed type				
4	Any Special Features which may increase/reduce water consumption					
(B)	Quantum of Water : (Cubic Meter)					
5	Contracted Quantum	28 Cusec				
6	Allocation of Water	28 Cusec				
7	Actual water Consumption	13,65,024	9,51,552	16,68,065	15,40,608	3,11,922
8.	Rate of Water Charges	Rs 0.12 per Cubic feet	Rs 0.12 per Cubic feet	₹10 per Cubic Meter	₹10 per Cubic Meter	₹10 per Cubic Meter
9	Other charges/Fees , if paid as part of Water Charges					
10	Total water Charges Paid (Rs Lakhs)	59.66	68.91	94.76	154.06	34.14

DETAILS OF OPERATIONS AND MAINTENANCE EXPENSES

Name of the Company:
Name of the Power Station

NTPC Ltd
Faridabad GPS (431.586 MW)

(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	22,531.12	22,507.44	22,711.91	22,691.45	22,829.93
(B)	Details of Capital Spares procured during the	322.13	367.73	24.71	187.31	183.30
(C)	Details of capital spares consumed during the	345.81	163.26	45.17	48.83	50.27
(D)	Details of capital spares closing at the end of the	22,507.44	22,711.91	22,691.45	22,829.93	22,962.96

