

ANNEXURE-III

Pro-forma furnishing Actual annual performance/operational data for the Gas/ Liquid fuel based thermal generating stations for the 5 year period from 2012-13 to 2016-17

	Particulars	Units	2012-13	2013-14	2014-15	2015-16	2016-17
1	Name of Company		NTPC Ltd.				
2	Name of Station		KOLDAM HYDRO POWER STATION				
3	Installed Capacity and Configuration	MW	800 MW (4X200MW)				
4	Station Location	Under ground or Surface	Surface				
5	Type of Excitation System		Static				
6	Live Storage Capacity		88.64				
7	Rated Head		N/A	N/A	N/A	131.2	131.2
8	Head at Full Reservoir Level (FRL)	Metres	N/A	N/A	N/A	137.2	137.2
9	Head at Minimum Draw down Level (MDDL)	Metres	N/A	N/A	N/A	131.2	131.2
10	MW Capability at FRL	MW	N/A	N/A	N/A	800	800
11	MW Capability at MDDL	MW	N/A	N/A	N/A	800	800
12	Cost of Spares :						
12.1	Cost of Spares capitalized in the books	(Rs. Lakhs)	N/A	N/A	N/A	1994.34	715.09
12.2	Cost of spares included in capital cost for the purpose of tariff (projected basis)	(Rs. Lakhs)	N/A	N/A	N/A	2814.43	921.7
13	Generation						
13.1	Actual Gross Generation at generator terminals	MU	N/A	N/A	N/A	1794.71	3225.18
13.2	Actual Net Generation Ex-bus including free power	(MU)	N/A	N/A	N/A	1773.89	3194.72
13.3	Scheduled generation Ex-bus including free power	(MU)	N/A	N/A	N/A	1744.35	3140.78
14	Actual Auxiliary Energy Consumption excluding colony consumption	(MU)	N/A	N/A	N/A	20.83	30.08
15	Actual Energy supplied to Colony from the station	(MU)	N/A	N/A	N/A	0	0.38
16	Average Declared Capacity (DC) during the year	(MW)	N/A	N/A	N/A	95.41	106.37
17	Weighted average duration of outages :					62.97	20.69
17.1	Scheduled Outages	Days	N/A	N/A	N/A	29.83	20.12
17.2	Forced Outages	Days	N/A	N/A	N/A	98.92	21.26
18	Cost of spares consumed	Rs. Lakhs	N/A	N/A	N/A	238.95	298.35
19	Average stock of spares	Rs. Lakhs	N/A	N/A	N/A	32.34	277.10

Note : Month wise design energy details provided in separate sheet Annexed

Month wise Design Energy

Month	Period	Design Energy as approved by CEA (MU)	Month	Period	Design Energy as approved by CEA (MU)
April	1-10	59.21	October	1-10	46.88
	11-20	57.80		11-20	44.33
	21-30	89.80		21-31	41.29
May	1-10	103.87	November	1-10	30.49
	11-20	186.01		11-20	27.94
	21-31	206.82		21-30	25.39
June	1-10	64.92	December	1-10	24.48
	11-20	171.32		11-20	24.48
	21-30	118.63		21-31	26.93
July	1-10	155.60	January	1-10	24.48
	11-20	192.00		11-20	24.48
	21-31	211.20		21-31	26.91
August	1-10	192.00	February	1-10	24.48
	11-20	192.00		11-20	24.49
	21-31	211.20		21-28	19.58
September	1-10	129.86	March	1-10	24.48
	11-20	93.03		11-20	39.39
	21-30	71.50		21-31	47.51
			Total		3054.79

Month	Expected Avg. of daily 3-hour peaking capacity as approved by CEA	Actual monthly average of daily 3-hour peaking (MW) for the period 2015-16 to 2016-17	
		FY 2015-16	FY 2016-17
April	872	N/A	799.60
May	872	N/A	872.00
June	872	N/A	856.77
July	872	811.43	854.90
August	872	831.56	855.00
September	872	814.12	856.00
October	872	816.78	858.13
November	872	696.50	832.28
December	872	744.79	860.25
January	872	793.71	841.79
February	872	661.59	802.25
March	872	655	815.90

Generating company: NTPC Limited

Name of Generating station: Koldam Hydro Power Station

Installed Capacity (MW) : 800 MW

Normative Annual Plant Availability Factor (%) approved by Commission : 90%

Declared Capacity of Koldam HPS			
S. No.	Month wiseDC (%)	FY 2015-16	FY 2016-17
1	April	N/A	100.96
2	May	N/A	110.10
3	June	N/A	108.18
4	July	102.45	107.94
5	August	104.99	107.95
6	September	102.79	108.08
7	October	103.13	108.35
8	November	87.94	105.09
9	December	94.04	108.62
10	January	100.22	106.29
11	February	83.53	101.29
12	March	82.70	103.02

Annexure-VI (A)

DETAILS OF OPERATION AND MAINTENANCE EXPENSES

Name of the Company: NTPC Ltd.
Name of the Power Station: Koldam Hydro Project

Rs. Lakhs

Sl. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17
1	Consumption of stores & spares				238.95	298.35
2	Repair & Maintenance				360.10	1027.53
3	Insurance				598.61	838.95
4	Security				912.42	1596.45
5	Water Charges				0.00	0.00
6	Administrative Expenses					
6.1	Rent				75.99	47.73
6.2	Electricity charges				174.32	231.28
6.3	Travelling & Conveyance				172.90	183.66
6.4	Communication Expenses				33.58	79.07
6.5	Advertising				4.98	23.23
6.6	Foundation Laying & Inauguration				0.00	0.00
6.7	Donation				0.00	0.00
6.8	Entertainment				34.84	88.00
6.9	Filing fee				0.00	35.01
	Subtotal (Administrative Expenses)				496.60	687.97
7.0	Employee Cost					
7.1.1	Salaries,Wages & Allowances				1343.70	2473.98
7.1.2	Pension				217.07	180.80
7.1.3	Gratuity				-5.36	261.85
7.1.4	Provident Fund				201.77	176.77
7.1.5	Leave Encashment				247.60	310.28
7.2	Staff welfare expenses					
7.2.1	-Medical expenses on superannuated employees				3.80	0.38
7.2.2	-Medical expenses on regular employees & others				194.63	52.72
7.2.3	-Uniform/Livries & safety equipment				32.51	48.24
7.2.4	-Canteen expenses				106.35	113.43
7.2.5	-Other staff welfare expenses				60.58	61.28
	Subtotal (Staff welfare Expenses)				397.87	276.05
7.3	Productivity linked Incentive				0.00	0.00
7.4	Expenditure on VRS				0.00	0.00
7.5	Ex-gratia				23.62	20.48
7.6	Performance Related Pay(PRP)				302.96	316.60
	Sub Total (Employee Cost)				2729.23	4016.81
8	Loss of Store				0.00	0.00
9	Provisions				0.00	0.77
10	Prior Period Expenses				-24.51	0.00
11	Corporate Office expenses allocation				1432.63	3479.96
12	Others					
12.1	Rates & Taxes				13.06	6.00
12.2	Water cess				0.00	0.00
12.3	Training & recruitment expenses				14.12	13.46
12.4	Tender Expenses				13.17	20.29
12.5	Guest house expenses				33.47	54.04

Rs. Lakhs

Sl. No.	Items	2012-13	2013-14	2014-15	2015-16	2016-17
12.6	Education expenses				1.67	1.52
12.7	Community Development Expenses				243.00	119.59
12.8	Ash utilisation expenses				0.00	0.00
12.9	Books & Periodicals				0.60	0.90
12.10	Professional Charges				89.20	30.04
12.11	Legal expenses				107.57	210.66
12.12	EDP Hire & other charges				12.96	13.33
12.13	Printing & Stationery				12.03	12.07
12.14	Misc Expenses				353.95	833.96
	Sub Total (Others)				894.78	1315.86
13	(Total 1 to 12)				7638.81	13262.66
14	Revenue / Recoveries				-5.49	-7.03
15	Net Expenses				7633.32	13255.64
16	Capital spares consumed				0.00	23.07
	Total O&M Cost				7633.32	13278.71

Details of capital Spares

Name of Company : NTPC LTD.

Name of Power station : KOLDAM HPS

(Rs. In Lakhs)

SI . No	ITEM	2012-13	2013-14	2014-15	2015-16	2016-17
(A)	Details of capital spares in Opening stock	0	0	0	0	1994.34
(B)	Details of capital spares procured during the year	0	0	0	1994.34	715.09
(C)	Details of capital spares consumed during the year	0	0	0	0	23.07
(D)	Details of capital spares closing at the end of the year	0	0	0	1994.34	2686.36

Note: Details of spares being provided in soft copy as voluminous

Name of the Utility: NTPC Ltd													
Name of the Generating Station: Koldam Hydro Project													
Station/ Stage/ Unit: 4 X 200													
Fuel Type (Coal/ Lignite/ Gas/ Liquid Fuel/ Nuclear/ Hydro): Coal													
Capacity of Plant (MW): 800 MW													
COD : 18.07.2015													
29	Revenue realisation after tax (Rs. Crore)												
30	Profit/ loss (Rs. Crore)											268.13	503.16
31	DSM Generation (MU)											29.53	53.94
32	DSM Rate (Ps/Kwh)												
33	Revenue from DSM (Rs. Crore)											7.79	14.34

Note:

- 1 \$ "Ex-Bus" word is additionally inserted.
- 2 # "Average" word is additionally inserted.
- 3 \$ "for 2004-09 & pre tax (admitted by CERC) for 2009-17" word is additional inserted
- 4 # Additional Row 24(e) inserted