

**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**

Particulars		Units	2017-18	2018-19	2019-20	2020-21	2021-22
1	Name of Company		NEEPCO LTD.				
2	Name of Station		Agartala Gas Based Power Station (AgGBPS)				
3	Installed Capacity and Configuration	MW	135				
	Stage						
3.1	Date of Commercial Operation - Unit Wise	GTG-1	05.02.1998				
		GTG-2	25.02.1998				
		GTG-3	29.03.1998				
		GTG-4	26.06.1998				
		STG-1	01.09.2015				
	STG-2	29.07.2015					
3.2	Effective COD		<b>01.09.2015</b>				
4	Make of Turbine	GT STG	GE SIEMENS				
5	Rated Steam Parameters		MCR=44.61 TPH, P=66 kg/cm <sup>2</sup> , T=480 ±5°C				
6	Average site ambient conditions						
7	Any other Site specific feature		Avg max T=30.5°C , Avg Min =20.1 °C				
8	<b>Fuels :</b>						
8.1	Main/Primary Fuel		Natural Gas				
8.1.1	Annual Allocation/ Requirement	MMSCMD	273.75 MMSCM /Yr				
8.1.2	Sources of supply		ONGC Through M/S GAIL India Ltd				
8.1.3	Transportation Distance of the station from the Sources of supply	KM	40 KM(approx)				
8.1.4	Mode of Transport		Pipeline				
8.2	<b>Alternate Fuel :</b>		Naptha/HSD/Any other				
8.2.1	Annual Allocation/ Requirement	Million Cubic meter or MT or Kilo Litre					
8.2.2	Sources of supply						
8.2.3	Transportation Distance of the station from the Sources of supply	KM					
8.2.4	Mode of Transport		Rail/Road/Pipeline/Sea				
8.2.5	Maximum Station capability to stock secondary fuels	KL					
9	<b>Cost of Spares :</b>						
9.1	Cost of Spares capitalized in the books	(Rs. Lakhs)	1123.77	38.08377	2779.0588	2622.3605	3920.234571
9.2	Cost of spares included in capital cost for the purpose of tariff	(Rs. Lakhs)	111.1176	38.08377	2779.0588	2622.3605	3920.234571
10	<b>Generation :</b>						
10.1	Actual Gross Generation at generator terminals	MU	688.2142	650.5853	806.914	880.001	923.9506
10.1.1	<b>Total</b>	MU					

10.1.2	On Gas		MU	688.2142	650.5853	806.914	880.001	923.9506
10.1.3	On Naphtha or any other liquid fuel		MU					
10.2	-Actual Net Generation Ex-bus		MU	661.706	626.23913	779.193	846.22097	891.209
10.3	-Scheduled Generation Ex-bus		MU	638.37932	606.64976	764.83875	827.851	877.309
11	Average Declared Capacity (DC)		MW	78.35	76.244	98.07	108.72	104.65
12	Actual Auxiliary Energy Consumption excluding colony consumption & agency power		MU	25.578	22.829	26.825	32.752	31.817
13	Actual Energy supplied to Colony from the station and Agency Power		MU	0.9364	0.8646	0.8956	1.02764	0.92391
14	<b>Main/Primary Fuel :</b>							
14.1	<b>Consumption</b>		(MSCM, MT or KL) - Specify					
14.1.1	Natural Gas	APM Gas	SCM	19137465	182402774	227262061	249461788	255594936
		Non-APM Gas	SCM			1095830	1252600	4127845
14.1.2	RLNG		SCM	NOT APPLICABLE				
14.1.3	Liquid Fuel		KL					
14.2	<b>Weighted Gross Calorific Value (GCV)</b>							
14.2.1	Natural Gas (as received)		kCal/SCM	9186.17	9202.5177	9210.7191	9208.678	9208.663
14.2.2	RLNG (as received)		kCal/SCM					
14.2.3	Liquid fuel (as received)		kCal/Lt.					
14.3	<b>Weighted Average Landed Price</b>							
14.3.1	APM Gas		Rs. /1000 SCM	4756.6363	7345.9263	8558.099	6756.82	6989.004
14.3.2	Non-APM Gas		Rs. /1000 SCM			12324.047	9874.585	8978.876
14.3.3	RLNG		Rs. /1000 SCM					
14.3.4	Liquid Fuel		Rs./KL					
14.4	<b>Percentage of Declared Capacity</b>							
14.4.1	APM Gas		%	100%	100.00			
14.4.2	Non-APM Gas		%					
14.4.3	RLNG		%					
14.4.4	Liquid Fuel		%					
14.5	<b>Actual Average stock maintained for liquid fuel</b>		(KL)					
15	<b>Alternate Fuel : RLNG/Liquid</b>							
15.1	Consumption		KL/SCM					
	Weighted Average Gross Calorific		(kCal /Lt. or SCM)					
	Weighted Average Landed Price		(Rs per KL/SCM)					
15.3	Actual Average stock		KL					
16	<b>Weighted average duration</b>							
16.1	Planned Outages (All Units)		(Days)	52 days 3 hr 40 min	0.0	57days 6 hr31 min	26days 4 hr 51 min	66days 6 hr 5 min
16.2	Forced Outages (All Units)		(Days)	73 days10 hr 44min	349 days 6 hr.18 min	194days 20hr 47 min	29 days 2 hr 32 min	39 days 9 hr 1 min
16.3	Number of tripping (All Units)		Nos.	122	67	68	50	30
16.4	Number of start-ups		Nos.	175	108	141	62	53
16.4.1	Cold Start-up		Nos.	24	18	14	11	3

16.4.2	Warm Start-up	Nos.	28	16	17	8	7
16.4.3	Hot start-up	Nos.	18	5	22	12	12
17	Cost of spares consumed	Rs. Lakhs	775.541	198.53	195.57	741.44	443.38
18	Average stock of spares	Rs. Lakhs	919.62	881.34	1190.57	1196.64	1844.79
19.	NOx and other particulate matter						
19.1	Design value	mg/Nm <sup>3</sup>	100ppm	100ppm	100ppm	100ppm	100ppm
19.2	Actual emission	mg/Nm <sup>3</sup>			65.96ppm	56.96ppm	65.014ppm
20	Number of employees deployed in						
20.1	- Executive	Nos.	58	57	50	48	42
20.2	- Non Executive	Nos.	92	90	91	89	88
20.3	Corporate Office	Nos.					
21	Man-MW ratio	Man/MW					

Notes:

1. List of beneficiaries/customers along with allocation by GoI including (allocation of unallocated share) / capacity as contracted shall also be furnished separately.
2. In case of two or more alternate fuels, information should be furnished for each of the alternate fuel. Gross generation on generator terminal for different fuel may be based on estimates.
3. In case of two or more stages or two or more unit sizes, information should be furnished separately to the extent possible.
4. A brief write-up on the methodology to arrive at the performance & operation parameters should also be furnished.
5. Any relevant point or a specific fact having bearing on above performance or operating parameters may also be highlighted or brought to the notice of the Commission.
6. If RLNG , Non APM gas or Liquid fuel is alternate fuel then details should be given under head Alternate fuel.
7. The declared capacity for peak and off peak period should be given separately for high and low demand season as per respective RLDC.

**PLANT AVAILABILITY/SCHEDULED PLANT LOAD FACTOR ACHIEVED**

Generating company: NEEPCO LTD.

Name of Generating station: Agartala Gas Based Power Station (AgGBPS)

Installed Capacity (MW) : 135

Normative Annual Plant Availability Factor (%) approved by Commission : 85.00

## Plant Availability Factor Achieved (%)

Month	2017-18	2018-19	2019-20	2020-21	2021-22	Reasons for shortfall in PAF achieved vis-a-vis NAPAF
April	60.87	49.10	60.40	92.43	87.57	Less Gas, Forced outage
May	61.45	49.24	73.16	91.70	85.81	Less Gas, Forced outage
June	65.07	54.48	62.45	83.89	87.20	Less Gas, Forced outage
July	62.44	46.41	61.95	69.09	87.67	Less Gas, Forced outage
August	59.94	40.59	58.63	66.37	79.30	Less Gas, Forced outage
September	63.87	58.51	68.71	80.52	79.00	Less Gas, Forced outage
October	61.64	65.37	89.59	84.75	78.49	Less Gas, Forced outage
November	53.81	63.31	82.09	92.70	81.00	Less Gas, Forced outage
December	61.99	67.39	82.73	89.35	79.47	Less Gas, Forced outage
January	60.31	67.86	90.55	89.30	79.41	Less Gas, Forced outage
February	56.25	68.70	86.65	77.40	79.80	Less Gas, Forced outage
March	51.68	65.65	86.29	83.89	59.67	Less Gas, Forced outage
<b>Annual</b>	<b>59.94</b>	<b>58.05</b>	<b>75.27</b>	<b>83.45</b>	<b>80.37</b>	

## Plant Load Factor Achieved (%)

Month	2017-18	2018-19	2019-20	2020-21	2021-22	Reasons for shortfall in PLF achieved vis-a-vis Target PLF
April	59.15	49.39	52.83	78.51	87.78	Less Gas, URS, Forced outage
May	59.37	49.14	64.32	77.42	83.58	Less Gas, URS, Forced outage
June	61.00	52.59	58.64	72.09	85.21	Less Gas, URS, Forced outage
July	59.07	44.52	53.44	61.05	84.03	Less Gas, URS, Forced outage
August	57.60	39.84	51.22	58.84	78.78	Less Gas, URS, Forced outage
September	61.66	55.25	57.60	69.10	77.36	Less Gas, URS, Forced outage
October	59.11	59.73	80.25	75.65	77.78	Less Gas, URS, Forced outage
November	54.57	59.34	77.13	81.00	78.11	Less Gas, URS, Forced outage
December	58.05	62.49	75.40	80.98	74.28	Less Gas, URS, Forced outage
January	57.93	62.64	82.57	80.59	72.70	Less Gas, URS, Forced outage
February	56.04	61.62	81.64	74.62	79.35	Less Gas, URS, Forced outage
March	51.77	59.02	81.54	83.22	59.23	Less Gas, URS, Forced outage
<b>Annual</b>	<b>57.94</b>	<b>54.63</b>	<b>68.05</b>	<b>74.42</b>	<b>78.18</b>	Less Gas, URS, Forced outage

**Annexure-VI (C)****DETAILS OF WATER CHARGES****Name of the Company:**

North Eastern Electric Power Corporation Limited (NEEPCO LTD.)

**Name of the Power Station and Stage/Phase:**

Agartala Gas Based Power Station (AgGBPS)

(Rs. In Lakhs)

Sl.No.	ITEM	2017-18	2018-19	2019-20	2020-21	2021-22
1	2	3	4	5	6	7
<b>(A)</b>	<b>Plant</b>	Agartala Gas Based Power Station (AgGBPS)				
1	Type of Plant	Combined Cycle				
2	Type of Cooling Tower	Air Cooled Condenser				
3	Type of Cooling Water System	Ground wate				
4	Any Special Features which may increase/reduce water consumption					
<b>(B)</b>	<b>Quantum of Water : ( Cubic Meter)</b>					
5	Contracted Quantum	NA	NA	NA	NA	NA
6	Allocation of Water					850m3/day NOC from CWC
7	Actual water Consumption	173075	175697	212759	214302	221882
8.	Rate of Water Charges					
9	Other charges/Fees , if paid as part of Water Charges	Ground water abstraction Charges Rs 620500 /-w,e,f 17/01/2022 to 16/01/2025				
	Total water Charges Paid	NA	NA	NA	NA	NA

Note:

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

**Annexure VI (D)**

**DETAILS OF OPERATIONS AND MAINTENANCE EXPENSES**

**Name of the Company:**

NEEPCO LTD.

**Name of the Power Station or Transmission Region:**

Agartala Gas Based Power Station (AgGBPS)

(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					
1	Gas Turbine	1031.20071	637.39871	207.80223	1154.0715	2299.14431
2	steam turbine	0	0		41.78175	35.55653
3	...					
4	...					
	...	<b>1031.20071</b>	<b>637.39871</b>	<b>207.80223</b>	<b>1195.85325</b>	<b>2234.70084</b>
(B)	Details of Capital Spares procured during the year					
1	Gas Turbine	1123.77	38.08377	2723.78	2622.3605	3920.23571
2	steam turbine	0	0	41.78175		
3	...					
4	...					
	...	<b>1123.77</b>	<b>38.08377</b>	<b>2765.56175</b>	<b>2622.3605</b>	<b>3920.23571</b>
(C)	Details of capital spares consumed during the year					
1	Gas Turbine	1517.572	467.68025	1777.51073	1577.28769	1401.229835
2	Steam turbine	0			6.22522	
3	...					
4	...					
	...	<b>1517.572</b>	<b>467.68025</b>	<b>1777.51073</b>	<b>1583.51291</b>	<b>1401.229835</b>
(D)	Details of capital spares closing at the end of the					
1	...					
2	...					
3	...					
4	...	<b>637.39871</b>	<b>207.80223</b>	<b>1195.85325</b>	<b>2234.70084</b>	<b>4753.706715</b>

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

Sl. No.	Item	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
1	Consumption of stores & spares		834.94	262.43	232.86	796.26	443.38
2	Repair & Maintenance		232.53	423.82	977.97	545.78	1735.7
3	Insurance		62.13	58.52	98.3	223.77	279.73
4	Security		127.91	121.64	229.7	122.31	122.5
4.1	CISF						
4.2	Other than CISF						
5	Water Charges						
6	Administrative Expenses						
6.1	Energy conservation /Envirmental expenses		1.44	0	6.73	6.1	12.11
6.2	Electricity charges/ duty		0.01	0.02	950.59	1493.95	131.1
6.3	Travelling & Conveyance		37.58	31.5	19.5	9.19	12.82
6.4	Communication Expenses		12.99	15.33	23.79	14.34	1.26
6.5	Advertising		0.46				
6.6	Foundation Laying & Inauguration						
6.7	Donation						
6.8	Entertainment						
6.9	Filing fee		5.94	5.94	482.2	70.48	354.72
	Subtotal (Administrative Expenses)		<b>1315.93</b>	<b>919.2</b>	<b>3021.64</b>	<b>3282.18</b>	<b>3093.32</b>
7	Employee Cost						
7.1.1	Salaries, Wages & Allowances		1955.15	2415.64	2203.33	2231.54	2350.29
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		123.5	128.75	128.91	132.33	37.34
7.1.3	Gratuity		492.92	90.35	67.25	72.49	71.09
7.1.4	Provident Fund		179.87	193.28	219.8	209.4	127.38
7.1.5	Leave Encashment		317.36	173.78	260.56	98.69	285.28
7.2	Staff welfare expenses						
7.2.1	Medical expenses on superannuated employees						
7.2.2	Medical expenses on regular employees & others		139.09	121.49	127.38	68.1	102.1
7.2.3	Uniform/Livries & safety equipment		0.7	2.07	0.95	0.92	
7.2.4	Canteen expenses						
7.2.5	Social welfare expenses		19.92	16.53	19.4	0	5.7
	Subtotal (Staff welfare Expenses)		<b>3228.51</b>	<b>3141.89</b>	<b>3027.58</b>	<b>2813.47</b>	<b>2979.18</b>
7.3	Productivity linked Incentive		90.47	12.72	10.2	5.38	48.16
7.4	Expenditure on VRS						
7.5	Ex-gratia						
7.6	Performance Related Pay(PRP)						
	Sub Total (Employee Cost)		<b>90.47</b>	<b>12.72</b>	<b>10.2</b>	<b>5.38</b>	<b>48.16</b>
8	Loss of Store						72.12
9	Provisions						
10	Prior Period Expenses/ CSR						
11	Corporate Office expenses allocation						
12	Others						
12.1	Rates & Taxes		2.96	5.14	15.8	0.67	0.1
12.2	Water cess						
12.3	Training & recruitment expenses/stipend		3.85	5.88	16.72	42.92	10.91
12.4	Tender Expenses		7.07	12.14	8.5	8.57	
12.5	Guest house expenses		0.27	0.21	0.11		8.82
12.6	Education expenses		0.55	0.28	0.39		
12.7	Community Development Expenses						
12.7.1	CSR activities		50.04	11.87	49.2	18.35	28.58

12.8	Ash utilisation expenses						
12.9	Books & Periodicals	0.09					
12.1	Professional Charges	0.34	1.66	2.23	0	5.61	
12.11	Legal expenses/Licence fees	2.61	1.68		8.18	4.42	
12.12	EDP Expenses				3.02	14.25	
12.13	Printing & Stationery	3.46	4.55		3.18	2.54	
12.14	RLDC Fee & Charges	49.08	64.46		30.35		
12.15	Brokerage & Commission						
12.16	Bank charges	0.4	0.09	3.22	4.15	4.67	
12.17	Claims/advances written off						
12.18	Hiring of vehicle	68.66	66.25	82.67	78.76	77.01	
12.19	Payment to auditors		2.1	0.17	0.28	0.62	
<b>12.2</b>	<b>Misc. Expenses</b>						
	(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	38.64	35.51	12.92	22.51	12.39	
12.20.23	Rounding Off Difference						
12.20.24	Regional Power Committee Expenses						
12.20.25	Misc Exp. trf to CSR and IEDC						
12.20.26	Specify other sub head, if any.						
	Sub Total (Others)	<b>228.02</b>	<b>211.82</b>	<b>191.93</b>	<b>220.94</b>	<b>242.04</b>	
<b>13</b>	<b>(Total 1 to 12)</b>	<b>4862.93</b>	<b>4285.6</b>	<b>6251.4</b>	<b>6321.97</b>	<b>6362.7</b>	
14	Revenue / Recoveries	4.86	13.23	116.25	16.45	5.77	
15	Net Expenses	4858.07	4272.4	6135.1	6305.52	6356.93	
	<b>Total O&amp;M Cost</b>	<b>4858.07</b>	<b>4272.4</b>	<b>6135.1</b>	<b>6305.52</b>	<b>6356.93</b>	

NB: 1. Rs 100.77 lakhs has been considered as liabilities return back during 2019-20

2. Rs 1188.26 Lakhs as LD recovery from Tharmex has not considered as revenue during 2020-21

**3. Corporate Shares is not considered in above .**



## Annexure-XIX

<b>Name of Utility:</b>	<b>North Eastern Electric Power Corporation Limited (NEEPCO LTD.)</b>
<b>Name of Generating Station:</b>	<b>Agartala Gas Based Power Station (AgGBPS)</b>
<b>Station Configuration:</b>	<b>135 MW, (4 X 21 MW + 2 X 25.5 MW) Combined Cycle Gas Based</b>
<b>Capacity (MW):</b>	<b>135</b>
<b>COD:</b>	<b>01.09.2015 (135 MW)</b>

	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
Plant Availability Factor (PAF)	%	89.73	95.50	92.41	92.72	88.95	89.26	87.35	89.15	85.53	86.72	84.63754	81.39603	83.05468	59.94	58.05	75.27	83.45	80.37
Plant Load Factors (PLF)	%	77.69	86.70	88.88	89.66	89.76	90.05	87.52	90.52	85.98	87.20	85.44	85.47	77.41	57.94	54.63	68.05	74.42	78.18
Scheduled Energy (DC)	MU	652.76	686.91	673.98	677.37	648.018	650.2378	636.3038	651.247	623.0397	631.7464	616.5689	804.877	922.18103	686.3385	661.70005	861.47664	952.41665	916.7768
Scheduled Generation	MU	558.23	622.57	630.5	634.73	643.474	645.1317	627.43401	649.172	616.69306	626.9861	606.582	773.9428	855.30488	638.3793	606.64976	764.833875	827.851	877.309
Actual Generation (Gross)	MU	571.687	638	654	659.785	660.509	662.66	643.988	666.059	632.71	641.651	628.7038	871.2305	915.3964	688.22	650.5853	806.914	880.001	923.9506
Actual Generation (ex-bus)	MU	569.85	637.57	640.97	646.73	647.675	648.979	631.43454	652.477	621.82961	631.5935	617.7692	843.7202	886.0069	661.706	626.23913	779.193	846.220968	891.209
Actual energy supplied to beneficiaries	MU																		
Quantum of coal consumption	MT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Value of coal	Rs. Lakh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Specific Coal Consumption	kg/kWh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gross Calorific Value of Coal	(Kcal/ Kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heat Contribution of Coal	(Kcal/ kWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cost Of Specific Coal Consumption – Finally admitted by CERC (Ex-Bus)	(Rs./kWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Quantum of Oil Consumption	(KL)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Value of Oil	(Rs. lakh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gross calorific value of oil	(kcal/lit)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Specific Oil Consumption	(ml/kWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cost Of Specific Oil Consumption – Finally admitted by CERC	(Rs./kWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heat Contribution of Oil	(Kcal/ kWh)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Station Heat Rate	(Kcal/ kWh)	3646	3435.81	3369.97	3366.81			3387.012	3413.77	3813.105	3824.04	3810.789	2769.765	2512.023	2531.185	2586.77	2606.703	2623.5731	2588.63
Auxiliary Energy Consumption	MU	2.17171	1.546488	3.77176	3.73754	4.10929	4.271516	11.639015	12.6741	47.31678	9.902	10.9586	26.564	28.332	25.658	23.11	26.214	32.754	31.822346
	(%)	0.38	0.24	0.58	0.57	0.62	0.64	1.81	1.90	7.48	1.54	1.74	3.05	3.10	3.73	3.55	3.25	3.72	3.44
Debt at the end of the year	(Rs. Crore)	59.62	41.36	23.26	8.58	0	0	0	0	0	0	0	272.05	159.47	1376.708	113.937			
Equity - Average	(Rs. Crore)	163.41	163.43	163.51	165.12	165.14	165.134	165.134	165.48	166.8013	166.8315	166.937	640.694	261.127	261.345	261.345			
Working Capital – finally admitted by CERC	(Rs. Crore)	19.06	19.26	19.55	19.82	20.11	37.8904	38.9409	37.7468	38.7692	39.9417	64.61	229.616	84.626	86.476	88.436			
Capital cost – finally admitted by CERC	(Rs. Crore)	330.3314	330.3719	330.6547	336.028	336.079	336.0679	336.0679	337.221	341.6256	341.7261	342.43	1500.523	656.77	656.77	656.77			
Capacity Charges/ Annual Fixed Cost (AFC)		54.27	53.86	53.83	53.54	53.42	79.2975	82.0839	71.2099	73.4226	76.3229	81.61	334.19	143.48	146.5	149.66			
(a) Return on equity – post tax (admitted by CERC upto 2009) and Pre Tax post 2009																			
Absolute value	(Rs. Crore)	22.87	22.88	22.89	23	23.12	30.8374	31.9666	32.0315	32.1931	32.7127	32.736	126.247	51.455	51.498	51.498			
Rate	(%)	14	14	14	14	14	18.674	19.358	19.377	19.377	19.61	19.61	19.705	19.705	19.705	19.705			
(b) interest on Loan																			
Absolute value	(Rs. Crore)	3.22	2.49	2.05	1.1	0.34	0	0	0	0	0	0	10.782	6.428	5.574	4.735			
Rate – Weighted Average Rate	(%)	4.63	4.92	6.34	6.92	7.92	0	0	0	0	0	0	3.78%	3.78%	3.76%	3.78%			
(c) Depreciation (finally allowed by CERC)																			
Absolute value	(Rs. Crore)	18.28	18.28	18.29	18.45	18.6	17.1485	17.1482	4.7428	4.9635	5.4029	5.443	41.817	22.696	22.77	22.77			
AAD																			
Rate	(%)	5.53	5.53	5.53	5.53	5.53	5.1026	5.1026	5.1026	5.1026	5.1026		5.805	5.805	5.805	5.805			
(d) Interest on working Capital																			
Absolute value	(Rs. Crore)	1.95	1.97	2	2.03	2.06	4.6416	4.7703	4.624	4.7492	4.8929	8.722	30.998	11.424	11.674	11.939			
Rate	(%)	10.25	10.25	10.25	10.25	10.25	12.25	12.25	12.25	12.25	12.25	13.5	13.5	13.5	13.5	13.5			
(e) Operation and maintenance cost (finally admitted by CERC)																			
Absolute value	(Rs. Crore)	7.95	8.24	8.6	8.95	9.3	26.67	28.1988	29.8116	31.5168	33.3144	34.708	124.369	51.475	54.985	58.725			

Rate	(%)	2.406674	2.494159	2.600901	2.6634685	2.76721	7.935896	8.3908044	8.84039	9.2255381	9.74886	10.13579	8.288377	7.8375992	8.372033	8.941486365			
(f) Compensation Allowances																			
(g) Special Allowance																			
h) Supplementary Tariff - Emission																			
Absolute value	(Rs. Crore)																		
Rate	(%)																		
i) Ash Utilisation Expenses	(Rs. Crore)																		
AFC	(Rs./ kWh)	0.97218	0.865124	0.853767	0.8435083	0.83018	1.229168	1.3082475	1.09693	1.1905858	1.217298								
Energy Charge	(Rs./kWh)						0.944925	1.7556	2.056	2.2754919	2.495583	2.893083	2.99	1.405	1.347	2.154	1.729	1.803	1.643
Supplemental Energy Charges - Emission Control	(Rs./kWh)																		
Total tariff	(Rs. kWh)						2.241102	3.096581	3.24918	3.3485022	3.83045	4.224403	4.427	3.384	3.03	4.032	4.26	3.696	3.734
Revenue realisation before tax	(Rs. Crore)																		
Revenue realisation after tax	(Rs. Crore)																		
Profit/ loss	(Rs. Crore)																		
DSM Generation	(MU)							5.127	4.232	5.579	4.739	12.06	72.366	31.05	23.6	16.545	14.472	19.171	14.201
DSM Rate	(Rs/kWh)																		
Revenue from DSM	(Rs. Crore)							1.4628406	1.18067	1.2257795	0.674558	2.603	13.992	4.859	4.752	2.912	2.987	4.326	3.337
Compensation received for operation below NAPAF																			
Part load Compensation received from beneficiariaes																			
Amount received from SCED	(Rs Crore)																		

Generating Companies are required to submit data for all generating stations

This is a general format. Plants of different fuel users have to fill the cells as applicable to them.

Tariff for the Hydro may be understood as composite tariff.

The data provided for the corresponding years need to mention as Actual or provisional.

Data for each Unit and Stage is required to be submitted in additional sheets as per the format

**DETAILS OF EMISSION CONTROL SYSTEM**

<b>Generating company:</b> NEEPCO LTD.
<b>Name of Generating station:</b> Agartala Gas Based Power Station (AgGBPS)
<b>Installed Capacity (MW) :</b> 135
<b>Type of Emission Control System:</b>
<b>Under Operation/Anticipated Operation Date:</b>

S.No.	Particulars	Units	2017-18	2018-19	2019-20	2020-21	2021-22
<b>A</b>							
1	Gross Generation	MU	688.214	650.585	806.914	880.001	923.987
2	Auxiliary Consumption - emission control	MU	25.658	23.11	26.214	32.754	31.822346
	Auxiliary Consumption - emission control	%	3.73	3.55	3.25	3.72	3.44
3	Auxiliary Consumption (Normative)	%	2.5	2.5	3.1	3.1	3.1
4	Hours of Operation (Six Units)	Hrs	42083:26	40548:35	46315:16	50038:02	50125:54
5	O&M Expenses (Actual) with Breakup as per format	Rs. Crore	57.0802	61.5459	82.2302	78.2036	77.8108
6	Other maintenace spares consumed^	Rs. Crore	7.75541	1.9853	1.9557	7.4144	4.4338
7	Initial Spares consumed*	Rs. Crore	0.00	0.00	0.00	0.00	0.00

**Pls. Note:** Where the system is yet not operational guaranteed parameter along with spares cost as per awarded contract to be furnished

\* Not part of O&M expenses and Pls specify list of the same

S.No.	Particulars	Units	2017-18		2018-19		2019-20		2020-21		2021-22	
			Investment Approval	Approved*	Investment Approval	Approved*	Investment Approval	Approved*	Investment Approval	Approved*	Investment Approval	Approved*
1	Capital Cost of Emission Control System											
1.1	Hard Cost	Rs. Crore										
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										
1.2	IDC	Rs. Crore										
1.3	IEDC	Rs. Crore										
1.4	Others. Pls specify	Rs. Crore										
1.4	Completed Cost	Rs. Crore										

\* Wherever cost is yet to be approved by CERC and for which petition has been filed the actual claimed shall be submitted.

\* Where the work is still under execution utility to submit the details of awarded cost