



ISO 9001-14001
OHSAS 18001

नॉर्थ ईस्टर्न इलैक्ट्रिक पावर कॉरपोरेशन लिमिटेड

भारत सरकार का उपक्रम

NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Govt. of India Enterprise)

Miniratna Category - I

OFFICE OF THE HEAD OF PROJECT

135 MW AGTCCPP, NEEPCO LTD.,

RAMCHANDRANAGAR, TRIPURA (WEST),

Ph. No.0381-2391269, Fax No. 0381-2091268

Email : hopofficeagtp@gmail.com

NO. NEEPCO/AGTCCPP/HOP/T-25(D)/VOL-I/2017-18/ 05

DATE : 11/04/2017

To,

The Principal Chief Conservator of Forests(C),

Govt. of India, Ministry of Environment & Forests,

North Eastern Regional Office, Low-U-Sib,

Lumbatngen, Near MTC Workshop,

Shillong – 793 021.

Sub : Agartala (Open Cycle) Gas Turbine Plant at Ramchandrnagar, Tripura – Six Monthly Report on status of Environment Clearance (1st Oct, 2016 to 31st March,2017).

Sir,

This has reference to the Office Memorandum No.J-1311/1/92-IA Dtd.23/01/1992 of the MOE&F, Govt. of India conveying the Environment Clearance and adherence to the various referred conditions, the Status Report of compliance on conditions by this Project are as under :-

Sl. No.	Stipulations as brought out under Memorandum No.J-13011/1/IA Dtd.23/01/1992 of the MOE&F, Govt. of India	Status of compliance by Agartala Gas Turbine Combined Cycle Power Plant of NEEPCO
2(i)	Only natural gas is used in the main feed stock.	Only natural gas is used in the main feed stock.
(ii)	Zero discharge concepts with respect to liquid effluents may be followed and as such no liquid effluent will be allowed to be discharged in the water bodies. Treated liquid effluent should be used/recycled in the plant/irrigation of the green belt/agricultural fields etc.	After commissioning of STGs in 2015-16 liquid effluent is generated and discharged in environment after proper treatment. A scheme is already envisaged to recycle the treated effluent water.
(iii)	Adequate steps should be taken for presentation and control of fire and explosion hazards likely to be caused due to storage and used of inflammable materials like natural gas.	Fire protection system for machine already exists. Fire tenders from Tripura State Fire Service Stationed in Plant area all the round to combat fire.
(iv)	Affected families due to acquisition of land should be properly compensated in consultation with the State Govt.	The land has been purchased directly from the Govt. of Tripura and no families have been affected due to the acquisition.
(v)	The NOX emissions should be exceed the specified standards of 50 ppm. As the site is located within 25 km. of the sanctuary.	The NOX emission is below 50 ppm.

CIN NO.U40101ML1976GO1001658

Regd. Office : Brookland Compound, Lower New Colony, Shillong – 793 003

Phone No. CMD's Office (0364) 2224487/2226453, Fax – 0364-2226417

(vi)	The gaseous emissions from various units should conform to the standards prescribed by the concerned authorities from time to time. At no time the emission level should be beyond the stipulated standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should be shutdown and should not be restarted until the control measure are rectified to achieve the desired standard efficiency.	These parameters are within stipulated norms.
(vii)	Adequate No. of Monitoring stations should be provided in consultation with the state Pollution control Board. Further, stack emissions should be monitored periodically. The date of stack emissions and ambient air quality should be sent to the State Pollution Control Board once in 3 months and to this Ministry once in 6 months.	Action has been taken to monitor. Quality of water is monitored at regular interval. There is minimum sound noise beyond the Power House.
(viii)	A green belt of adequate width not less than 100 meters) and density should be provided all around the Power station.	A green belt with an average width of 100 meters around Power Station including office and Colony Complex with plantation of 44,500 (approx.) plants are maintained.
(ix)	A separate Environment Management Cell with suitably qualified staff to carry out the various functions should be set up under the control of Senior Executives, who will report directly to the Head of the Organisation.	An Environment Management Cell is working in the Plant.
3.	Adequate financial provision should be made for implementation of these stipulations and the details of such provisions communicated to this Ministry within three months Financial provisions so made will not be utilized for any other purpose.	Funds are available.


We are also enclosing herewith the test reports (as given below) which was carried out by the Green Tech Environmental Engineer & Consultants, Guwahati in the month of March, 2017. A soft copy (in CD) of the above is enclosed for your kind reference please.

- 1) Test Report of Sound Level Monitoring.
 - 2) Test Report of Ambient Air.
 - 3) Analysis Report of Fuel Gas – GT-1, GT-2, GT-3 & GT-4.
 - 4) Water Test Report.
- Assuring our best commitments.

Thanking you,

Enclo : As stated above.

Yours faithfully,


 GM(E/M)-Head of Project,
 AGTCCPP, NEEPCO Ltd.,
 R.C. Nagar, Tripura (West).

CIN NO. U40101ML1976GO1001658

Regd. Office : Brookland Compound, Lower New Colony, Shillong – 793 003
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GREEN TECH ENVIRONMENTAL ENGINEER & CONSULTANTS

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Telefax -0361 2300278 Mobile: 9435046677, 9954089052, E-mail: green_pranjal@hotmail.com, info@greentecheec.in

TEST REPORT

Test Report No:	GEEC/FL/22/2017/03/02		Date of Reporting:	11/03/2017	
Customer Name:	Agartala Gas Turbine Power Plant		Lab. ID No.:	GEEC/AA/2017/03/02	
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar, PO NEEPCO, Agartala, Tripura(W) 79900		Date of Sampling:	07/03/2017 to 08/03/2017	
Sampling Location:	Near existing control room		Duration:	24 hours	
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle		Sample Receipt Date:	09/03/2017	
Humidity	Max.	Min.	Ambient Temperature:	Max.	Min.
	62%	49%		28.1°C	18.4°C
Equipments Details:	Ecotech, RDS AAS Sampler 217 BL & ADS PM Sampler		Test Start Date:	09/03/2017	
Monitored By:	Mr. P. Talukdar		Test End Date:	11/03/2017	

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

Sl. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	µg/m ³	58	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	µg/m ³	35	60	CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	7	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	15	80	IS 5182(VI)
5	Lead (Pb)	µg/m ³	<0.01	1	IS 5182(22)

***** End of Report *****

Authorised by: Lab -in-Charge

Blahon

(Dr. Belinda Lahon)

The parameters tested on the specific date are found to be within the NATIONAL AMBIENT AIR QUALITY STANDARDS, CPCB NOTIFICATION DATED 18TH NOVEMBER, 2009.

* The results relate only to the item tested.

* The test report shall not be reproduced except in full, without written approval of the laboratory.

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TEST REPORT

Test Report No:	GEEC/FL/22/2017/03/01	Date of Reporting:	11/03/2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.:	GEEC/AA/2017/03/01
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar, PO NEEPCO, Agartala, Tripura(W) 79900	Date of Sampling:	06/03/2017 to 07/03/2017
Sampling Location:	Guest House	Duration:	24 hours
Sampling Condition:	In GF/A, PTFE Filter Paper & Plastic Bottle	Sample Receipt Date:	09/03/2017
Humidity	Max. 72% Min. 50%	Ambient Temperature:	Max. 26.3°C Min. 16.8°C
Equipments Details:	Ecotech, RDS AAS Sampler 217 BL & ADS PM Sampler	Test Start Date:	09/03/2017
Monitored By:	Mr. P. Talukdar	Test End Date:	11/03/2017

AMBIENT AIR QUALITY

Sampling and Analysis carried out as per GEEC/SOP/01

Sl. No.	Parameters	Unit	Results	Limits	Test Method
1	Particulate Matter (PM ₁₀)	µg/m ³	52	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	µg/m ³	33	60	CPCB Guidelines
3	Sulphur Dioxide (SO ₂)	µg/m ³	5	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	12	80	IS 5182(VI)
5	Lead (Pb)	µg/m ³	<0.01	1	IS 5182(22)

***** End of Report*****

Authorised by: Lab -in-Charge

Belinda Lahon

(Dr. Belinda Lahon)

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TEST REPORT

REPORT NO: GEEC/SLM/AGTP/2017/03/01

Date: 11/03/2017

Lab. ID No.: GT/SLM/ AGTP/2017/03/01

Date of Sampling: 09/03/2017

Customer Name:

Agartala Gas Turbine Power Plant

Customer Address:

Agartala Gas Turbine Power Plant
Ramchandranagar, PO NEEPCO,
Agartala, Tripura (W) - 79900

Sample Description:

Sound Level Monitoring

Monitoring Done By:

Mr. P. Talukdar

Sound Level in dBA		
GTG Machine Hall (At Source)		89.2
GT Control Room Corridor		73.5
GT Control Room		56.4
Cooling Tower (At Source)		86.4
GSC Ground Floor		90.4
GSC First Floor		89.3
Steam Turbine Control Room		66.9
WTP Control Plant		71.5
Boiler Area		76.3
Near Health Care Unit		56.5
Near Mechanical Workshop		52.8
POLLUTION CONTROL LAW SERIES: PCLS/06/2000-01 CPCB		
Area Code	Categories of Area/Zone	Limits in dB(A) Leq
		Day Time (6 am – 10 pm)
A	Industrial Area	75
B	Commercial	65

***** End of Report*****

Instrument Used: Model: SLM 4023SD, Make: Lutron, Taiwan

The above findings are based on reading collected on the specific date.

For GREEN TECH Environmental Engineer & Consultants

B. Lahon
(Dr. B. Lahon)
Lab In-charge

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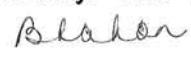


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Report No: GEEC/NE/STK/2017/03/1		Date:	11-03-2017
Name of the Industry	AGARTALA GAS TURBINE POWER PLANT	Date of sampling:	07-03-2017
Address	NEEPCO, Ramchandra Nagar, TRIPURA (WEST)	Time of Sampling:	10.45 am to 11.10am
STACK MONITORING REPORT			
Stack Details:	GT-01, E: 091°21'40" N: 23°52'17"		
Fuel Used	Natural Gas		
Flow Characteristics			
Ambient Temp, °C	28.2		
Stack Temp, °C	244		
Emission Details			
PARAMETERS	RESULT	CPCB Standards The Environment (Protection) Rules, 1986	
Particulate Matter, mg/Nm ³	22	-	
Sulphur dioxide (SO ₂) ppm	< 1	-	
Oxides of Nitrogen (NO ₂) ppm	27	100	
Carbon Monoxide, (CO) ppm	207	-	
Carbon Dioxide, (CO ₂) %	8.5	-	
Oxygen, O ₂ %	12.6	-	
Sampling and analysis is carried out as per IS: 11255 (Part-1, 2, 3 & 7) 1985, IS: 13270:1992(Reaffirmed 1999)			
Equipment Details:	Make: Endee Engineers Pvt.Ltd. Model No: PA 960, Polltech Instruments Pvt. Ltd. Model No: SMS-4		
Monitored by:	Mr.Dilip Deka & P.Talukdar		
Remarks:	Complied		
Authorised by: Lab -in-Charge  (Dr. Belinda Lahon)			

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Report No: GEEC/NE/STK/2017/03/2		Date:	11-03-2017
Name of the Industry	AGARTALA GAS TURBINE POWER PLANT	Date of sampling:	07-03-2017
Address	NEEPCO, Ramchandra Nagar, TRIPURA (WEST)	Time of Sampling:	11.35 am to 11.50 am
STACK MONITORING REPORT			
Stack Details:	GT-02, E: 091°21'41" N: 23°52'18"		
Fuel Used:	Natural Gas		
Flow Characteristics			
Ambient Temp, °C	28.2		
Stack Temp, °C	275		
Emission Details			
PARAMETERS	RESULT	CPCB Standards The Environment (Protection) Rules, 1986	
Particulate Matter, mg/Nm ³	25	-	
Sulphur dioxide (SO ₂) ppm	< 1	-	
Oxides of Nitrogen (NO ₂) ppm	24	100	
Carbon Monoxide, (CO) ppm	295	-	
Carbon Dioxide, (CO ₂) %	7.3	-	
Oxygen, O ₂ %	13.8	-	
Sampling and analysis is carried out as per IS: 11255 (Part-1, 2, 3 & 7) 1985, IS: 13270:1992(Reaffirmed 1999)			
Equipment Details:	Make: Endee Engineers Pvt.Ltd. Model No: PA 960, Polltech Instruments Pvt. Ltd. Model No: SMS-4		
Monitored by:	Mr.Dilip Deka & P.Talukdar		
Remarks:	Complied		
Authorised by: Lab -in-Charge  (Dr. Belinda Lahon)			

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Report No: GEEC/NE/STK/2017/03/3		Date:	11-03-2017
Name of the Industry	AGARTALA GAS TURBINE POWER PLANT	Date of sampling:	07-03-2017
Address	NEEPCO, Ramchandra Nagar, TRIPURA (WEST)	Time of Sampling:	12.10 pm to 12.30 pm
STACK MONITORING REPORT			
Stack Details:	GT-03, E: 091°21'39" N: 23°52'16"		
Fuel Used:	Natural Gas		
Flow Characteristics			
Ambient Temp, °C	28.2		
Stack Temp, °C	334		
Emission Details			
PARAMETERS	RESULT	CPCB Standards The Environment (Protection) Rules, 1986	
Particulate Matter, mg/Nm ³	29	-	
Sulphur dioxide (SO ₂) ppm	<1	-	
Oxides of Nitrogen (NO ₂) ppm	26	100	
Carbon Monoxide, (CO) ppm	321	-	
Carbon Dioxide, (CO ₂) %	8.7	-	
Oxygen, O ₂ %	12.4	-	
Sampling and analysis is carried out as per IS: 11255 (Part-1, 2, 3 & 7) 1985, IS: 13270:1992(Reaffirmed 1999)			
Equipment Details:	Make: Endee Engineers Pvt.Ltd. Model No: PA 960, Polltech Instruments Pvt. Ltd. Model No: SMS-4		
Monitored by:	Mr.Dilip Deka & P.Talukdar		
Remarks:	Complied		
Authorised by: Lab -in-Charge <i>Belinda Lahon</i> (Dr. Belinda Lahon)			

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Report No: GEEC/NE/STK/2017/03/4		Date:	11-03-2017
Name of the Industry	AGARTALA GAS TURBINE POWER PLANT	Date of sampling:	07-03-2017
Address	NEEPCO, Ramchandra Nagar, TRIPURA (WEST)	Time of Sampling:	12.45 pm to 1.10 pm
STACK MONITORING REPORT			
Stack Details:	GT-04, E: 091°21'39" N: 23°52'15"		
Fuel Used:	Natural Gas		
Flow Characteristics			
Ambient Temp, °C	28.2		
Stack Temp, °C	309		
Emission Details			
PARAMETERS	RESULT	CPCB Standards The Environment (Protection) Rules 1986	
Particulate Matter, mg/Nm ³	20	-	
Sulphur Dioxide (SO ₂) ppm	< 1	-	
Oxides of Nitrogen (NO ₂) ppm	18	100	
Carbon Monoxide, (CO) ppm	268	-	
Carbon Dioxide, (CO ₂) %	9.2	-	
Oxygen, O ₂ %	11.9	-	
Sampling and analysis is carried out as per IS: 11255 (Part-1, 2, 3 & 7) 1985, IS: 13270:1992(Reaffirmed 1999)			
Equipment Details:	Make: Endee Engineers Pvt.Ltd. Model No: PA 960, Polltech Instruments Pvt. Ltd. Model No: SMS-4		
Monitored by:	Mr.Dilip Deka & P.Talukdar		
Remarks:	Complied		
Authorised by: Lab -in-Charge <i>Belinda Lahon</i> (Dr. Belinda Lahon)			

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TEST REPORT

Ref. No.: GEEC/W/2017/03/1	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/03
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	Guest House	Sample Receipt Date:
Sample Description:	Ground Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	6.69	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	1	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	162	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	8	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	29	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	64	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	40	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	24	200	600

***** End of Report *****

Authorised by: Laboratory In-charge

Belinda Lahon

(Dr. Belinda Lahon)

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TEST REPORT

Ref. No.: GEEC/W/2017/03/2	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/04
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	Staff Colony	Sample Receipt Date:
Sample Description:	Ground Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	6.68	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	1	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	172	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	6	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	31	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	56	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	44	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	28	200	600

***** End of Report *****

Authorised by: Laboratory In-charge

Belinda Lahon

(Dr. Belinda Lahon)

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TEST REPORT

Ref. No.: GEEC/W/2017/03/3	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/05
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	Canteen	Sample Receipt Date:
Sample Description:	Ground Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	7.12	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	1	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	182	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	12	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	54	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	36	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	48	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	16	200	600

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TEST REPORT

Ref. No.: GEEC/W/2017/03/04	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/06
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	Cooling Tower	Sample Receipt Date:
Sample Description:	Industrial Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	8.11	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	2	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	456	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	8	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	37	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	68	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	96	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	42	200	600

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TEST REPORT

Ref. No.: GEEC/W/2017/03/05	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/07
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	STG I 1 & 2 (CBD) Boiler	Sample Receipt Date:
Sample Description:	Industrial Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	8.04	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	4	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	410	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	9	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	68	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	44	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	68	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	32	200	600

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TEST REPORT

Ref. No.: GEEC/W/2017/03/06	Date of Reporting:	11-03-2017
Customer Name:	Agartala Gas Turbine Power Plant	Lab. ID No.: GEEC-WS/17/03/08
Customer Address:	Agartala Gas Turbine Power Plant Ramchandranagar PO NEEPCO, Agartala, Tripura (W)-79908	Date of Sampling:
Sampling Location:	STG II 3 & 4 (CBD) Boiler	Sample Receipt Date:
Sample Description:	Industrial Water	Test Start Date:
Sample Drawn By:	Mr. P. Talukdar	Test Completion Date:
Sample Condition:	Sealed	Sampling Method:

SL. NO.	DESCRIPTION	METHOD	UNIT	RESULTS	IS-10500:2012	
					Requirement (Desirable Limit)	Permissible Limit in the absence of alternate source
1	pH	APHA 22nd Edition, 2012	—	8.08	6.5 to 8.5	-
2	Turbidity	APHA 22nd Edition, 2012	NTU	5	5	10
3	TDS	APHA 22nd Edition, 2012	mg/l	428	500	2000
4	Total Hardness as CaCO ₃	APHA 22nd Edition, 2012	mg/l	14	300	600
5	Iron	APHA 22nd Edition, 2012	mg/l	0.1	0.3	1
6	Chlorides	APHA 22nd Edition, 2012	mg/l	58	250	1000
7	Calcium	APHA 22nd Edition, 2012	mg/l	40	75	200
8	Sulphates	APHA 22nd Edition, 2012	mg/l	74	200	400
9	Alkalinity	APHA 22nd Edition, 2012	mg/l	20	200	600

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