



नॉर्थ ईस्टर्न इलेक्ट्रिक पावर कॉर्पोरेशन लिमिटेड
NORTH EASTERN ELECTRIC POWER CORPORATION LIMITED

भारत सरकार का उद्यम A Govt. of India Enterprise

मिनीरत्न: श्रेणी-I Miniratna : Category-I

एनटीपीसी लिमिटेड की पूर्ण स्वामित्व वाली सहायक कंपनी

A wholly owned subsidiary of NTPC Ltd.



ISO : 9001,
14001 & 45001

सं/No.NEEPCO/AgGBPS/HOP/T-25(D)/2025-2026/99

दिनांक: 02/05/2025

सेवा में/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 – 793021.

**विषय / Sub: Six Monthly Report on status of Environment
Clearance (ending March,2025) of AgGBPS, NEEPCO Ltd.**

महोदय/Sir,

This has reference to the Office Memorandum No.J-13011/1/92-1A Dtd.23/01/2023 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 the Power Station are as under :-

Sl. No.	Stipulations as brought out under Memorandum No.J-13011/1/92-1A Dtd.23/01/1992	Status of compliance
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 for ground water recharging.
(iii)	Adequate steps should be taken for prevention 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 at AgGBPS Plant area round the clock 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 not exceed the specified standards of 50 ppm. As the site is located within 25 km. of the sanctuary.	NOX emission is within permissible limits as per CTO
(vi)	The gaseous emissions from various units should conform to the standards prescribed by the concerned authorities from time to time. As no time the emission level should go 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 measures are rectified to achieve the desired standard efficiency.	These parameters are within stipulated norms.

परियोजना कार्यालय : अगरतला गैस आधारित पावर स्टेशन

Project Office : AGARTALA GAS BASED POWER STATION

पावर स्टेशन प्रमुख का कार्यालय/

OFFICE OF THE HEAD OF POWER STATION

रामचन्द्रनगर, त्रिपुरा (प), RAMCHANDRA NAGAR, TRIPURA (W)-7990008

e-mail : hopofficeagtp@neepco.co.in / hopofficeagtp@gmail.com

पंजीकृत कार्यालय: ब्रुकलैंड कंपाउंड, लोअर न्यू कॉलोनी,

शिलांग-793003

Registered Office: Brookland Compound, Lower New Colony,
Shilling-793003

सीआईएन/CIN-U40101ML1976GO1001658, website:www.neepco.co.in



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मिनीरत्न: श्रेणी-I Miniratna : Category-I

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Sl. No.	Stipulations as brought out under Memorandum No.J-13011/1/92-1A Dtd.23/01/1992	Status of compliance
(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 data 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	On line Stack Emission Data (SOx, NOx and PM) are continuously uploaded to the Central Pollution Control Board (CPCB) and State Pollution Control Board (SPCB) website through existing installed Continuous Emission Monitoring System (CEMS). Ambient Air Quality is monitored by the third party on monthly basis.
(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 as average width of 100 meters around Power Station including Office and Colony Complex with plantation of 45,855(approx.) Nos. 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 Organization.	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 the Ministry within three months Financial provisions so made will not be utilized for any other purpose.	Funds are available.

Enclosing herewith the test reports (as attached) which was carried out by the Nitya Laboratories Pvt. Ltd., in the month of Jan., 2025.

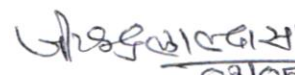
Assuring our best commitments.

Thanking you,

संलग्न: यथोक्त।

Enclo : As above.

भवदीय/Yours faithfully,


(JEETENDRA LAL DAS)

मुख्य महाप्रबंधक (तक.) एवं पावर स्टेशन प्रमुख
CGM(Tech.) & HoPS,
AgGBPS, NEEPCO Ltd.,
R.C. Nagar, Tripura (W).

परियोजना कार्यालय : अगरतला गैस आधारित पावर स्टेशन
Project Office : AGARTALA GAS BASED POWER STATION
पावर स्टेशन प्रमुख का कार्यालय/
OFFICE OF THE HEAD OF POWER STATION
रामचन्द्रनगर, त्रिपुरा (प), RAMCHANDRA NAGAR, TRIPURA (W)-7990008
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Registered Office: Brookland Compound, Lower New Colony,
Shilling-793003
सीआईएन/CIN-U40101ML1976GO1001658, website:www.neepco.co.in

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

ULR No.: TC148142400001235F
Test Report Date: 10/01/2025

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Date of Sampling : **28/12/2024**
Time of Sampling (Hrs) : **11:30 AM**
Sample Received at Lab : **04/01/2025**
Test Started On : **04/01/2025**
Test Completed On : **09/01/2025**
Purpose of Monitoring : **To Check the Pollution Load**
Method of Sampling : **IS 5182 (Part 14)**
Sampling Location : **Plant Site**
Avg. Flow Rate of Air for RDS (m3/min) : **1.10**
Avg. Flow Rate of Air for FPS (m3/hr) : **1.00**
Monitoring Conducted By : **Mr. Pankaj Sahoo**
Ambient Temperature (°C) : **22**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

Sr. No.	Parameters	Test Results	Standard Limit	Duration	Test Method
1.	Particulate Matter (PM _{2.5}), µg/m ³	34.20	60	24 hrs	40CFR Appendix L Part 53 CPCB Guidelines
2.	Particulate Matter (PM ₁₀), µg/m ³	68.30	100	24 hrs	IS:5182(P-23)
3.	Sulphur Dioxide (as SO ₂), µg/m ³	18.20	80	24 hrs	IS:5182(P-2)
4.	Nitrogen Dioxide (as NO ₂), µg/m ³	26.20	100	24 hrs	IS:5182(P-6)
5.	Ozone (as O ₃), µg/m ³	23.40	100	8 hrs	IS:5182(P-9)
6.	Lead (as Pb), µg/m ³	ND	1	24 hrs	NL/SOP/AAQ-11
7.	Carbon Monoxide (as CO), mg/m ³	0.98	2	8 hrs	IS:5182 (P-10)
8.	Ammonia (as NH ₃), µg/m ³	32.50	400	24 hrs	Method of Air Sampling & Analysis CPCB Guidelines
9.	Nickel (as Ni), ng/m ³	ND	20	Annual	NL/SOP/AAQ-13
10.	Arsenic (as As), ng/m ³	ND	6	Annual	NL/SOP/AAQ-12
11.	Benzo(a)pyrene (as BAP), ng/m ³	ND	1	Annual	IS:5182 (P-12)
12.	Benzene (C ₆ H ₆), µg/m ³	ND	5	Annual	IS:5182 (P-11)

Remark:
ND-Not Detected



TC-14814

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

ULR No.:
Test Report Date:

TC148142400001298F
10/01/2025

Sample Particulars

Nature of the Sample	: Ambient Air Quality Monitoring
Date of Sampling	: 31/12/2024
Time of Sampling (Hrs)	: 11:30 AM
Sample Received at Lab	: 04/01/2025
Test Started On	: 04/01/2025
Test Completed On	: 09/01/2025
Purpose of Monitoring	: To Check the Pollution Load
Method of Sampling	: IS 5182 (Part 14)
Sampling Location	: Residential Complex (Colony)
Avg. Flow Rate of Air for RDS (m3/min)	: 1.10
Avg. Flow Rate of Air for FPS (m3/hr)	: 0.99
Monitoring Conducted By	: Mr. Pankaj Sahoo
Ambient Temperature (°C)	: 23
Sampling Duration (Hrs.)	: 24 Hrs.

Analysis Report

Sr. No.	Parameters	Test Results	Standard Limit	Duration	Test Method
1.	Particulate Matter (PM _{2.5}), µg/m ³	32.50	60	24 hrs	40CFR Appendix L Part 53 CPCB Guidelines
2.	Particulate Matter (PM ₁₀), µg/m ³	55.20	100	24 hrs	IS:5182(P-23)
3.	Sulphur Dioxide (as SO ₂), µg/m ³	19.50	80	24 hrs	IS:5182(P-2)
4.	Nitrogen Dioxide (as NO ₂), µg/m ³	23.40	100	24 hrs	IS:5182(P-6)
5.	Ozone (as O ₃), µg/m ³ *	24.50	100	8 hrs	IS:5182(P-9)
6.	Lead (as Pb), µg/m ³ *	ND	1	24 hrs	NL/SOP/AAQ-11
7.	Carbon Monoxide (as CO), mg/m ³	1.05	2	8 hrs	IS:5182 (P-10)
8.	Ammonia (as NH ₃), µg/m ³	29.50	400	24 hrs	Method of Air Sampling & Analysis CPCB Guidelines
9.	Nickel (as Ni), ng/m ³ *	ND	20	Annual	NL/SOP/AAQ-13
10.	Arsenic (as As), ng/m ³ *	ND	6	Annual	NL/SOP/AAQ-12
11.	Benzo(a)pyrene (as BAP), ng/m ³ *	ND	1	Annual	IS:5182 (P-12)
12.	Benzene (C ₆ H ₆), µg/m ³ *	ND	5	Annual	IS:5182 (P-11)

Remark: ND-Not Detected



TC-14814

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Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

ULR No.:
Test Report Date:

TC148142400001244F
10/01/2025

Sample Particulars

Nature of the Sample : Ambient Air Quality Monitoring
Date of Sampling : 30/12/2024
Time of Sampling (Hrs) : 11:30 AM
Sample Received at Lab : 04/01/2025
Test Started On : 04/01/2025
Test Completed On : 09/01/2025
Purpose of Monitoring : To Check the Pollution Load
Method of Sampling : IS 5182 (Part 14)
Sampling Location : Agartala
Avg. Flow Rate of Air for RDS (m3/min) : 1.12
Avg. Flow Rate of Air for FPS (m3/hr) : 1.00
Monitoring Conducted By : Mr. Pankaj Sahoo
Ambient Temperature (°C) : 23
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Parameters	Test Results	Standard Limit	Duration	Test Method
1.	Particulate Matter (PM _{2.5}), µg/m ³	45.60	60	24 hrs	40CFR Appendix L Part 53 CPCB Guidelines
2.	Particulate Matter (PM ₁₀), µg/m ³	66.20	100	24 hrs	IS:5182(P-23)
3.	Sulphur Dioxide (as SO ₂), µg/m ³	25.50	80	24 hrs	IS:5182(P-2)
4.	Nitrogen Dioxide (as NO ₂), µg/m ³	36.50	100	24 hrs	IS:5182(P-6)
5.	Ozone (as O ₃), µg/m ³	39.20	100	8 hrs	IS:5182(P-9)
6.	Lead (as Pb), µg/ m ³	ND	1	24 hrs	NL/SOP/AAQ-11
7.	Carbon Monoxide (as CO), mg/m ³	1.08	2	8 hrs	IS:5182 (P-10)
8.	Ammonia (as NH ₃), µg/m ³	28.20	400	24 hrs	Method of Air Sampling & Analysis CPCB Guidelines
9.	Nickel (as Ni), ng/m ³	ND	20	Annual	NL/SOP/AAQ-13
10.	Arsenic (as As), ng/m ³	ND	6	Annual	NL/SOP/AAQ-12
11.	Benzo(a)pyrene (as BAP), ng/m ³	ND	1	Annual	IS:5182 (P-12)
12.	Benzene (C ₆ H ₆), µg/m ³	ND	5	Annual	IS:5182 (P-11)

Remark: ND-Not Detected



TC-14814

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BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

ULR No.: TC148142400001243F
Test Report Date: 10/01/2025

Sample Particulars:

Nature of the Sample : **Stack Gas Emission**
Date of Sampling : 28/12/2024
Sample Received at lab : 04/01/2025
Test Started On : 04/01/2025
Test Completed On : 09/01/2025
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : GTE-3
Method of Sampling : IS: 11255 (P-7)
Normal Operating Schedule : As per requirement
Type of Stack /Duct : Mild Steel
Stack height from Ground Level (m) : 30
Diameter of the Stack (m) : 3.5
Sampling Duration (min) : 40

Observations:

Flue Gas Temperature °C : 121
Ambient Air Temperature °C : 22
Flue Gas Velocity (m/s) : 10.37

Analysis Report

Sr. No.	Parameters	Unit	Test Results	Test Method
1	Particulate Matter, (as PM)	mg/Nm ³	8.48	IS:11255(P-1)

Remark:

BDL-Below Detection Limit*LOQ-Limit of Quantification, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.

..... End of the Report.....



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Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

ULR No.: TC148142400001246F
Test Report Date: 10/01/2025

Sample Particulars:

Nature of the Sample : **Stack Gas Emission**
Date of Sampling : **28/12/2024**
Sample Received at lab : 04/01/2025
Test Started On : 04/01/2025
Test Completed On : 09/01/2025
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : GTE-4
Method of Sampling : IS: 11255 (P-7)
Normal Operating Schedule : As per requirement
Type of Stack /Duct : Mild Steel
Stack height from Ground Level (m) : 30
Diameter of the Stack (m) : 3.5
Sampling Duration (min) : 40

Observations:

Flue Gas Temperature °C : 116
Ambient Air Temperature °C : 22
Flue Gas Velocity (m/s) : 10.43

Analysis Report

Sr. No.	Parameters	Unit	Test Results	Test Method
1	Particulate Matter, (as PM)	mg/Nm ³	8.18	IS:11255(P-1)

Remark:

BDL-Below Detection Limit*LOQ-Limit of Quantification, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.

..... End of the Report.....



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Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

Test Report No.: 202412280110
Test Report Date: 10/01/2025

Sample Particulars:

Nature of the Sample : **Stack Gas Emission**
Date of Sampling : 28/12/2024
Sample Received at lab : 04/01/2025
Test Started On : 04/01/2025
Test Completed On : 09/01/2025
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : GTE-3
Method of Sampling : IS: 11255 (P-7)
Normal Operating Schedule : As per requirement
Type of Stack /Duct : Mild Steel
Stack height from Ground Level (m) : 30
Diameter of the Stack (m) : 3.5
Sampling Duration (min) : 40

Observations:

Flue Gas Temperature °C : 121
Ambient Air Temperature °C : 22
Flue Gas Velocity (m/s) : 10.37

Analysis Report

Sr. No.	Parameters	Unit	Test Results	Test Method
1	Oxide of Nitrogen (as NO _x)	mg/Nm ³	34	USEPA OTM-39
2	Oxides of Sulphur (as SO _x)	mg/Nm ³	ND (DL-1)	SOP No.: NL/SOP/FGA/01
3	Carbon Dioxide as CO ₂	%	6.5	USEPA OTM-39
4	Oxygen as O ₂	%	12.1	SOP No.: NL/ SOP/ FGA/10

Remark: ND-Not Detected

..... End of the Report.....

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Test Report

Issued To M/s North Eastern Electric Power Corporation Limited
(135 MW Agartala Gas Turbine Combined Cycle Power Plant)
Ramchandra Nagar, Tripura (W)-799008

Test Report No.: 202412280111

Test Report Date: 10/01/2025

Sample Particulars:

Nature of the Sample : **Stack Gas Emission**
Date of Sampling : **28/12/2024**
Sample Received at lab : 04/01/2025
Test Started On : 04/01/2025
Test Completed On : 09/01/2025
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : GTE-3
Method of Sampling : IS: 11255 (P-7)
Normal Operating Schedule : As per requirement
Type of Stack /Duct : Mild Steel
Stack height from Ground Level (m) : 30
Diameter of the Stack (m) : 3.5
Sampling Duration (min) : 40

Observations:

Flue Gas Temperature °C : 116
Ambient Air Temperature °C : 22
Flue Gas Velocity (m/s) : 10.43

Analysis Report

Sr. No.	Parameters	Unit	Test Results	Test Method
1	Oxide of Nitrogen (as NO _x)	mg/Nm ³	28	USEPA OTM-39
2	Oxides of Sulphur (as SO _x)	mg/Nm ³	ND (DL-1)	SOP No.: NL/SOP/ FGA/ 01
3	Carbon Dioxide as CO ₂	%	5.2	USEPA OTM-39
4	Oxygen as O ₂	%	13.2	SOP No.: NL/ SOP/ FGA/10

Remark:
ND-Not Detected

..... End of the Report.....


(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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