

To

The Member Secretary

Uttar Pradesh Pollution Control Board

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010.

Subject: Submission of Environmental Statement for the year 2024-25

Dear Sir,

We are submitting herewith, the Environmental Statement of Daurala Sugar Works, for the year ending 31st March 2025 for your kind perusal.

You may kindly observe that the statement has been divided into two sections giving information separately on (a) Sugar Factory and (b) Distillery unit.

We hope you will find it in order.

Thanking you

Yours faithfully,



Authorized Signatory

Encl: As above.

Cc:

- i. The Regional Officer, Uttar Pradesh Pollution Control Board, Pocket T, C-3/2 Phase-II, Pallavpuram, Meerut, Uttar Pradesh
- ii. Mr. Anil Saxena : Behari Ashram, Sarai Malekahan Chowk, Lucknow, 226001.
Along with the original for onward transmission to the addressee, if approved, under intimation to us. The last date for reaching the statement is 30th September 2025.
- iii. C.O.O./DGM(P&E)/DGM(QC)/AGM (Inst.)

ENVIRONMENTAL STATEMENT

(2024 -25)

Submitted to
Uttar Pradesh Pollution Control Board
Lucknow (U.P.)

|||

By

Daurala Sugar Works, Daurala
District : Meerut (U.P.)

(A Unit of : DCM Shriram Industries Ltd)

September 2025

DAURALA SUGAR WORKS: DAURALA **(DISTILLERY)**

FORM -V

Environmental Statement for the financial year ending the 31st March, 2025

PART – A

| | |
|---|--|
| Name and Address of the owner/occupier of industry operation or process | Daurala Sugae Works- Distillery Unit, Daurala, Meerut, Uttar pradesh |
| Industry Category | Red |
| Primary : (SIC Code) | |
| Secondary : (SIC Code) | Distillery |
| Production Capacity | 75250 KL/Annum |
| Year of Establishment | 1943 |
| Date of last Environmental Statement submitted | 26th September 2024 |

PART – B

Water and Raw Material Consumption

1. Water Consumption (m³/day)

| | |
|--------------------------------|---------------|
| Total Water Consumption | 460.61 |
| Process | 451.34 |
| Industrial Cooling | - |
| Domestic | 7.44 |

| Name of Product | Water consumption per product output (M ³ /KL) | |
|---|---|-----------------------------------|
| | During the previous financial year | During the current financial year |
| Ethanol/Absolute Alcohol/Rectified Spirit (R.S.)/ Extra Neutral Alcohol | 5.7 | 6.1 |

2. Raw Material Consumption:

| Name of raw material | Name of products | Consumption of raw-material per unit of output (MT/KL) | |
|----------------------|---|--|---|
| | | During the previous financial year (2023-24) | During the current financial year (2024-25) |
| Molasses | Ethanol/Absolute Alcohol/Rectified Spirit (R.S.)/ Extra Neutral Alcohol | 3.6 | 4.39 |

PART – C
Summary table showing effluent generation and its disposal
Year 2024-25

Unit: MT

| Effluent generated 2024-25 | Treated Effluent stored of Previous Year 2024-25 | Total Effluent for utilization | Effluent reduced by MEE | Balance effluent for utilization | Concentrated Effluent utilization 2024-25 | | | Effluent Stored in Feed storage Tank for utilization in 2024-25 Approx. | Disposal in water course |
|----------------------------|--|--|-------------------------|----------------------------------|---|---------------------|--|---|--------------------------|
| | | | | | Bio-Compost | Incineration Boiler | Total | | |
| 191808 | Nil | 191808 | 191808 | Nil | Nil | 74317 | 74317 | Nil | Nil |
| Pollutants | | Quantity of Pollutants discharged (Mass/day) | | | Concentrations of Pollutants in discharges (Mass/day) | | Percentage of variation from prescribed standards with reasons | | |
| *Air Stack emission | | - | | | 23.6 mg/Nm3 | | Within the prescribed limits | | |

* Average of 12 months reports as annexed.

Pollutants discharged to environment / unit of output
(Parameter as specified in the consent issued)

- Pollutants discharged into the Environment - Nil
- Concentrate spent wash has been utilized as slop in incinerator.
- Analysis reports for boiler stacks – Incinerator , since we have centralized boiler, The stack details are given in Environmental Statement alongwith Sugar ETP.

PART – D
Hazardous Waste
(as specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

| Hazardous | Total Quantity (Kg.) | |
|--|--|--|
| | During the previous financial year (2023-24) | During the current financial year(2024-25) |
| (a) Process | 74.58 | 73.50 |
| (b) From Pollution Control Facilities. | Nil | Nil |
| Method of disposal/use | Mixed with baggase as fuel and burnt in in-house boiler. | |

PART – E

Solid Waste

| | Total Quantity (MT) | |
|---|--|---|
| | During the previous financial year 2023-24 | During the current financial year 24-25 |
| (a) From Process | 1308* | 1382.5* |
| (b) From Pollution Control Facilities. ESP , | | |
| i. Dry Ash | 12184*** | 7842.02*** |
| ii. Wet Ash | 4331** | 1541.8*** |
| (c) | | |
| i. Quantity recycled or re-utilized within the unit. | Nil | Nil |
| ii. Sold | 12184 | 9383.82 |
| iii. Disposed (Sludge + Ash) | 7853** | 1382.5* |
| *Utilized as fertilizer/soil conditioner after sun drying. ** Utilized as soil filling / soil conditioner as manure. *** Sold to Potash , granule marketing Industries. | | |

PART – F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid waste and indicate disposal practice adopted for both these categories of wastes.

- i. Generated hazardous waste i.e. Waste or residue containing oil (Cat. 5.2, Schedule I) is being mixed with baggase and burnt in in-house boiler.
- ii. Solid wastes mixed with press mud is being supplied to farmers and used as soil conditioner.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

| Resource / Area | Pollution Abatement Measure | Impact on Resource Conservation | Impact on Cost of Production |
|----------------------|--|---|--|
| Water | Condensate Polishing Unit (CPU), recycling of treated effluent | Reduced fresh water intake, sustainable water use | Saving in pumping energy & reduced regulatory compliance cost |
| Energy / Fuel | Use of concentrated spent wash | Substitution of fossil fuels | Saving in bagasse/ Rice Husk fuel costs |
| Solid Waste Handling | Ash supplied to fertilizer manufacturers. | Avoids natural resource mining & landfill burden | Reduced waste disposal/transportation cost; saving import cost and contributing in overall economy |

PART – H

**Additional measures/investment proposal for environmental protection including
abatement of Pollution, Prevention of Pollution.**

PART – I

Any other particulars for improving the quality of the environment.

- i. Large number of plantation has been done in and around the factory premises as per miyawaki method.
-



SIGNATURE

**Chief Operating Officer
DAURALA SUGAR WORK
DAURALA, MEERUT 250221 (U.P)**

TEST REPORT

TEST REPORT NO.: ETS/2911-28/03/2025 ULRNO.TC153902500291128F DATE OF REPORT: 25.03.2025

STACK EMISSION MONITORING AND ANALYSIS REPORTName And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.Date Of Sampling : 21.03.2025
Analysis Start Date : 22.03.2025
Analysis End Date : 25.03.2025
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2911-28
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCD BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 28.0°C
Flue Gas Temperature : 102.0°C
Velocity Of Flue Gases : 9.2 MTR./SEC.
Quantity Of Emission Discharged : 46618.4 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 15.8 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 4.4 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 7.6 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.12 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For Enviro Tech Services Pvt. Ltd.

AUTHORIZED SIGNATORY
Md Humraj
(Quality Manager)

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

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ENVIRO TECH SERVICES PVT. LTD.

An Analytical Laboratory

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TC-15390

TEST REPORT

TEST REPORT NO.: ETS/2101-1/02/2025 ULRNO.TC153902500021011F DATE OF REPORT: 24.02.2025

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 20.02.2025
Analysis Start Date : 21.02.2025
Analysis End Date : 24.02.2025
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2101-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCD BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 24.0°C
Flue Gas Temperature : 105.0°C
Velocity Of Flue Gases : 13.2 MTR./SEC.
Quantity Of Emission Discharged : 335855.4 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 18.5 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 4.7 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 8.2 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.10 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For E. Enviro Tech Services Pvt. Ltd.

AUTHORIZED SIGNATORY
(Quality Manager)

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2018

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TEST REPORT

TEST REPORT NO.: ETS/2024-1/01/2025 ULRNO.TC130092500020241F DATE OF REPORT: 23.01.2025

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 20.01.2025
Analysis Start Date : 21.01.2025
Analysis End Date : 23.01.2025
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2024-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCD BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 15.0°C
Flue Gas Temperature : 95.0°C
Velocity Of Flue Gases : 7.2 MTR./SEC.
Quantity Of Emission Discharged : 38102.97 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 21.8 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 5.6 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 9.1 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.13 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
Quality Manager

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/2018-1/12/2024 ULRNO.TC130092400020181F DATE OF REPORT: 24.12.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 20.12.2024
Analysis Start Date : 21.12.2024
Analysis End Date : 24.12.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2018-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 20.0°C
Flue Gas Temperature : 105.0°C
Velocity Of Flue Gases : 8.5 MTR./SEC.
Quantity Of Emission Discharged : 42602.64 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|--------------------------------|--------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm³ | 24.5 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO₂) | mg/Nm³ | 6.2 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO₂) | mg/Nm³ | 10.4 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.15 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY

MD HUMRAJ
Quality Manager

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/1725/11/2024 ULRNO.TC130092400001725F DATE OF REPORT: 21.11.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 18.11.2024
Analysis Start Date : 18.11.2024
Analysis End Date : 21.11.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1725
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 26.0°C
Flue Gas Temperature : 110.0°C
Velocity Of Flue Gases : 7.2 MTR./SEC.
Quantity Of Emission Discharged : 45781.2 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 27.1 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 5.8 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 9.1 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.12 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/1802-1/09/2024 ULRNO.TC130092400018021F DATE OF REPORT: 21.09.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 17.09.2024
Analysis Start Date : 18.09.2024
Analysis End Date : 21.09.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1802-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 33.0°C
Flue Gas Temperature : 118.0°C
Velocity Of Flue Gases : 7.9 MTR./SEC.
Quantity Of Emission Discharged : 50232.15M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 30.7 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 6.5 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 9.0 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.12 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

AUTHORIZED SIGNATORY
Quality Manager

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/139-1/10/2024

ULRNO.TC130092400001391F

DATE OF REPORT: 21.10.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 16.10.2024
Analysis Start Date : 17.10.2024
Analysis End Date : 21.10.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : E-139-1/10
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 30.0°C
Flue Gas Temperature : 115.0°C
Velocity Of Flue Gases : 7.6 MTR./SEC.
Quantity Of Emission Discharged : 48324.60M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 28.9 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 6.2 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 9.3 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.10 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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

Page 1 of 1



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

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ENVIRO-TECH SERVICES

An Analytical Laboratory

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph: 9911516070, 9911736063

TC-13009

TEST REPORT

TEST REPORT NO.: ETS/1712/08/2024 ULRNO.TC130092400001712F DATE OF REPORT: 21.08.2024

STACK-EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s. DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 16.08.2024
Analysis Start Date : 17.08.2024
Analysis End Date : 21.08.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1712
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 38.0°C
Flue Gas Temperature : 135.0°C
Velocity Of Flue Gases : 8.4 MTR./SEC.
Quantity Of Emission Discharged : 53411.4 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 24.1 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 6.0 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 8.2 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.10 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/1807-4/07/2024 ULRNO.TC130092400018074F DATE OF REPORT: 22.07.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 18.07.2024
Analysis Start Date : 19.07.2024
Analysis End Date : 22.07.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1807-4
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5 & 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 36.0°C
Flue Gas Temperature : 118.0°C
Velocity Of Flue Gases : 7.9 MTR./SEC.
Quantity Of Emission Discharged : 50232.15 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|--|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters, (PM) | mg/Nm ³ | 22.8 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide, (SO ₂) | mg/Nm ³ | 6.5 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen, (NOX as NO ₂) | mg/Nm ³ | 9.3 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide, (CO) | %v/v | 0.11 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TEST REPORT

TEST REPORT NO.: ETS/2099/06/2024 ULRNO.TC130092400002099F DATE OF REPORT: 25.06.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 19.06.2024
Analysis Start Date : 20.06.2024
Analysis End Date : 25.06.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2099
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5& 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 40.0°C
Flue Gas Temperature : 125.0°C
Velocity Of Flue Gases : 8.2 MTR./SEC.
Quantity Of Emission Discharged : 52139.7 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 21.0 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 6.2 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 9.0 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide.(CO) | %v/v | 0.13 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO.: ETS/1634-1/05/2024 ULRNO.TC130092400016341F DATE OF REPORT: 20.05.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 16.05.2024
Analysis Start Date : 17.05.2024
Analysis End Date : 20.05.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1634-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5 & 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 38.0°C
Flue Gas Temperature : 140.0°C
Velocity Of Flue Gases : 7.3 MTR./SEC.
Quantity Of Emission Discharged : 46417.0 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 23.0 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 5.1 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 7.4 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.12 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For ENVIRO TECH
AUTHORIZED SIGNATORY

Quality Manager

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TC-13009

TEST REPORT

TEST REPORT NO.: ETS/2671-1/04/2024 ULRNO.TC130092400026711F DATE OF REPORT: 02.05.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/s, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 27.04.2024
Analysis Start Date : 29.04.2024
Analysis End Date : 02.05.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2671-1
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : KCP BOILER
Capacity Of Stack : 35.0 TPH
Quantity Of Fuel Used : 5.5 & 7.0 TPH
Type Of Fuel Used : SLOP + BAGASSE
Stack Height Above Ground : 75.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APCS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 34.0°C
Flue Gas Temperature : 127.0°C
Velocity Of Flue Gases : 6.9 MTR./SEC.
Quantity Of Emission Discharged : 43873.65 M³/Hr

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|--------|---|--------------------|--------|-----------------------------------|-------------------|
| 1 | Particulate Matters,(PM) | mg/Nm ³ | 25.0 | 80 | IS-11255 (Part-1) |
| 2 | Sulphur Dioxide,(SO ₂) | mg/Nm ³ | 5.4 | 600 | IS-11255 (Part-2) |
| 3 | Oxide of Nitrogen,(NOX as NO ₂) | mg/Nm ³ | 8.1 | 600 | IS-11255 (Part-7) |
| 4 | Carbon Monoxide,(CO) | %v/v | 0.14 | 1 | IS: 13270 |

REMARKS-Fuel used-264 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-20.5 TPH.

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



For ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
Quality Manager

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