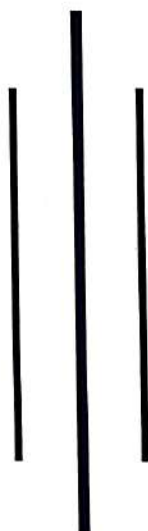


ENVIRONMENTAL STATEMENT

(2023 -24)

Submitted to
U.P. Pollution Control Board
LUCKNOW (U.P.)



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

(A Unit of : DCM Shriram Industries Ltd)

September' 2024

DAURALA SUGAR WORKS: DAURALA
(DISTILLERY)

FORM -V

Environmental Statement for the financial year ending the 31st March,
2024

PART - A

- 1) Name and address of the owner/
Occupier of Industry operation or
process : Daurala Sugar Works
Daurala (meerut), U.P., Pin - 250221
(A Unit of DCM Shriram Industries Limited)
- 2) Industry Category : Chemical and Allied Products.
Primary : (SIC Code) : 2800
Secondary: (SIC Code) : 2860
- 3) Production Capacity : 75250 KL/Annum
- 4) Year of establishment : 1943
- 5) Date of last Environmental
Statement submitted : September 2023

PART - B

WATER AND RAW MATERIAL CONSUMPTION

Financial Year (2023-24)

- I) Total Water Consumption : 598.94 m³/day
- a) Process : 591.918 m³/day
- b) Industrial Cooling : -
- c) Domestic : 7.022 m³/day

Name of Product	Water consumption per product output (M ³ / KL)	
	During the previous financial year	During the current financial year
Rectified Spirit (R.S)	6.53	5.7

(Contd.....2

(ii) Raw Material Consumption:

Name of raw material	Name of products	Consumption of raw-material per unit of output (MT/KL R.S)	
		During the previous financial year	During the current financial year
Molasses	Rectified Spirit	3.484	3.667

PART - C

Summary table showing effluent generation and its disposal
Year 2023-24

Unit: KL

Effluent generated 2023-24	Treated Effluent stored of Previous Year 2023-24	Total Effluent for utilization	Effluent reduced by MEE	Balance effluent for utilization	Concentrated Effluent utilization 2023-24			Effluent Stored in Feed storage Tank for utilization in 2023-24 Approx.	Disposal in water course
					Bio-Compost	Incineration Boiler	Total		
191255	Nil	191255	191255	Nil	Nil	82825	82825	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				38.17 mg/Nm3		Within the prescribed limits			

* Average of 12 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.

(Contd.....3)

PART - D
Hazardous Waste

(as specified under Hazardous wastes/management and Handling Rules, 1989)

Hazardous	Total Quantity (Kg.)	
	During the previous financial year (2022-23)	During the current financial year(2023-24)
(a) Process	77.45	74.58
(b) From Pollution Control Facilities.	Nil	Nil
Method of disposal/use	Incinerated in boliler	

PART - E
Solid Waste

	Total Quantity (MT.)	
	During the previous financial year2022-23	During the current financial year23-24
(a) From Process	1645*	1308*
(b) From Pollution Control Facilities. ESP , Dry Ash Wet Ash	10792** 4625**	12184*** 4331**
(c) 1) Quantity recycled or re-utilized within the unit.	Nil	Nil
2) Sold	10792	12184
3) Disposed (Sludge + Ash)	6270**	7853**
* Utilized as fertilizer/soil conditioner after solar 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.

Generated hazardous waste Incinerated in C&I . 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.

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.

Decanter sludge is being distributed to the farmers of out zone

SIGNATURE.



**AUTHORIZED SIGNATORY
DAURALA SUGAR WORKS : DAURALA
MEERUT (U.P)**



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 : otalab2012@gmail.com | Website : www.otalab.in | Ph.: 9911518070, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/168/03/2024

URL NO. TO 130002400000100F

DATE OF REPORT: 18.03.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer

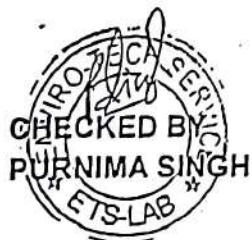
M/a, DAURALA SUGAR WORKS (DISTILLERY UNIT)
MEERUT - MUZAFFARNAGAR ROAD, DAURALA
MEERUT U.P.

Date Of Sampling : 14.03.2024
Analysis Start Date : 15.03.2024
Analysis End Date : 18.03.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : E-168/03
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 : 27.0°C
Flue Gas Temperature : 107.0°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	28.0	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	7.3	600	IS-11255 (Part-7)
4	Carbon Monoxide, (CO)	%v/v	0.17	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

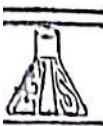
AUTHORIZED SIGNATORY
Quality Manager

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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email : otalab2012@gmail.com | Website : www.otalab.in | Ph.: 9911516076, 9811736063



TC-13009

TEST REPORT

TEST REPORT NO.: ETS/100/02/2024

URL NO. TC130092100000160F

DATE OF REPORT: 26.02.2024

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 : 21.02.2024
Analysis Start Date : 22.02.2024
Analysis End Date : 26.02.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : E-100/02
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 : 22.0°C
Flue Gas Temperature : 114.0°C
Velocity Of Flue Gases : 8.6 MTR./SEC.
Quantity Of Emission Discharged : 54683.1 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM)	mg/Nm ³	31.0	80	IS-11255 (Part-1)
2	Sulphur Dioxide, (SO ₂)	mg/Nm ³	4.8	600	IS-11255 (Part-2)
3	Oxide of Nitrogen, (NOX as NO ₂)	mg/Nm ³	8.0	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*****

Page 1 of 1



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 Quality Manager

Notes:-

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 email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO.: ETS/2001-7/01/2024

DATE OF REPORT: 27.01.2024

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 : 23.01.2024
 Analysis Start Date : 24.01.2024
 Analysis End Date : 27.01.2024
 Duration Of Sampling : 30.0 MIN
 Sample ID No. : 2001-7
 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 : 16.0°C
 Flue Gas Temperature : 122.0°C
 Velocity Of Flue Gases : 10.7 MTR./SEC.
 Quantity Of Emission Discharged : 68035.95 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	33.5	80	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	5.2	600	IS-11255 (Part-2)
3	Oxide of Nitrogen,(NOX as NO ₂)	mg/Nm ³	8.8	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

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2010, Amd. No. 04 Date 01.04.2019

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email : elslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911510076, 9811736063

TC-8771

TEST REPORT

TEST REPORT NO.: ETS/1231/12/2023 URLNO:TC877123000001231F DATE OF REPORT: 22.12.2023

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 : 18.12.2023
 Analysis Start Date : 19.12.2023
 Analysis End Date : 22.12.2023
 Duration Of Sampling : 30.0 MIN
 Sample ID No. : 1231
 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 : 18.0°C
 Flue Gas Temperature : 130.0°C
 Velocity Of Flue Gases : 11.0 MTR./SEC.
 Quantity Of Emission Discharged : 69943.5 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	37.1	80	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	5.0	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	0.16	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
Lab In-charge

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-8771

TEST REPORT

TEST REPORT NO: ETS/2237/11/2023 URL NO TCR77123000002237F DATE OF REPORT 28.11.2023

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 : 23 11 2023
Analysis Start Date : 24 11 2023
Analysis End Date : 28.11.2023
Duration Of Sampling : 30 0 MIN
Sample ID No. : 2237
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 58 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 : 21.0°C
Flue Gas Temperature : 145 0°C
Velocity Of Flue Gases : 10.7 MTR /SEC
Quantity Of Emission Discharged : 68035 95 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM)	mg/Nm ³	39.6	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	8.0	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-25.6 TPH.

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

Page 1 of 1

CHECKED BY
SHRADDHA GUPTA

For Enviro Tech Services
AUTHORIZED SIGNATORY
Lab In-charge

Formal No ETS/LAB/TR-05, Issue No 05, Date 01 04 2019, And No 04 Date 01 04 2019

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ENVIRO-TECH SERVICES

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TC-8771

TEST REPORT

TEST REPORT NO.: ETS/1500/10/2023 URLNO.TC877123000001500F DATE OF REPORT: 30.10.2023

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 : 26.10.2023
Analysis Start Date : 27.10.2023
Analysis End Date : 30.10.2023
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1500
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 : 130.0°C
Velocity Of Flue Gases : 11.3 MTR/SEC.
Quantity Of Emission Discharged : 71851.05 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	40.9	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	10.3	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-25.6 TPH.

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



Page 1 of 1

For Enviro-Tech Services
AUTHORIZED SIGNATORY
Rushkar Mittal
Lab In-charge

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TC-8771



TEST REPORT

TEST REPORT NO.: ETS/2171/09/2023

URLNO.TC877123000002171F

DATE OF REPORT: 22.09.2023

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 : 18.09.2023
Analysis Start Date : 19.09.2023
Analysis End Date : 22.09.2023
Duration Of Sampling : 30.0 MIN
Sample ID No. : 2171
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 : 138.0°C
Velocity Of Flue Gases : 12.6 MTR./SEC.
Quantity Of Emission Discharged : 80117.1 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM)	mg/Nm ³	45.8	80	IS-11255 (Part-1)
2	Sulphur Dioxide, (SO ₂)	mg/Nm ³	6.2	600	IS-11255 (Part-2)
3	Oxide of Nitrogen, (NO _x as NO ₂)	mg/Nm ³	8.0	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-25.6 TPH.

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



Page 1 of 1

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

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

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TC-8771

ETS-LAB

TEST REPORT

TEST REPORT NO.: ETS/1337/03/2023

URLNO.TC87712300G001337F

DATE OF REPORT: 21.08.2023

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 : 17.08.2023
Analysis Start Date : 18.08.2023
Analysis End Date : 21.08.2023
Duration Of Sampling : 30.0 Min
Sample ID No. : 1337
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 : 35.0°C
Flue Gas Temperature : 142.0°C
Velocity Of Flue Gases : 13.1 MTR/SEC.
Quantity Of Emission Discharged : 83295.35 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters.(PM)	mg/Nm ³	42.9	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	0.15	1	IS: 13270

REMARKS-Fuel used-254 TPH SLOP & 136 TPH BAGASSE, CURRENT LOAD-25.6 TPH.

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

CHECKED BY
SHRADDHA GUPTA

Page 1 of 1

For Enviro-Tech Services

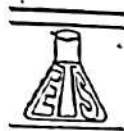
AUTHORIZED SIGNATORY

Lab In-charge

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

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ETS-LAB

ENVIRO-TECH SERVICES

An Analytical Laboratory

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghazlabad (U.P.) - 201001
email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TC-8771

TEST REPORT

TEST REPORT NO.: ETS/1350-19/07/2023

URLNO.TC877123000135019F

DATE OF REPORT: 24.07.2023

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 : 18.07.2023
 Analysis Start Date : 19.07.2023
 Analysis End Date : 22.07.2023
 Duration Of Sampling : 30.0 MIN
 Sample ID No. : 1350-19
 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 : 35.0°C
 Flue Gas Temperature : 150.0°C
 Velocity Of Flue Gases : 13.7 MTR/SEC.
 Quantity Of Emission Discharged : 87111.45 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	40.8	80	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	7.0	600	IS-11255 (Part-2)
3	Oxide of Nitrogen,(NOX as NO ₂)	mg/Nm ³	9.5	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-27.5 TPH.

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

Page 1 of 1



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
 Lab In-charge

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TC-8771

TEST REPORT

TEST REPORT NO: ETS/2022/082123

URL: NO.TC877123000001322F

DATE OF REPORT: 24.06.2023

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 : 19.06.2023
Analysis Start Date : 20.06.2023
Analysis End Date : 24.06.2023
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1322
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 : 73.0 MTR.
Stack Dia At The Top : 1500.0 MM
Material Of Construction : R.C.C
Attached APOS : ESP
Normal Operating Schedule : 24 HOUR PER DAY
Ambient Temperature : 37.0°C
Flue Gas Temperature : 152.0°C
Velocity Of Flue Gases : 13.5 MTR./SEC.
Quantity Of Emission Discharged : 55339.75 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matter, (PM)	mg/Nm ³	41.9	50	IS-11255 (Part-1)
2	Sulphur Dioxide, (SO ₂)	mg/Nm ³	7.3	600	IS-11255 (Part-2)
3	Oxide of Nitrogen, (NOX as NO ₂)	mg/Nm ³	10.6	600	IS-11255 (Part-7)
4	Carbon Monoxide, (CO)	%v/v	0.17	1	IS: 13270

REMARK: Fuel used 5.5 TPH SLOP & 7.0 TPH BAGASSE, CURRENT LOAD-32.0 TPH.

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



Page 1 of 1

For ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
MD HUMRAJ
Quality Manager

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

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TC-8771

TEST REPORT

TEST REPORT NO.: ETG/785/05/2023

URL: www.etslab.in

DATE OF REPORT: 18.05.2023

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 : 18.05.2023
Analysis Start Date : 18.05.2023
Analysis End Date : 18.05.2023
Duration Of Sampling : 30.0 MIN
Sample ID No. : 785
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 : 5.52 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 : 158.0°C
Velocity Of Flue Gases : 14.3 MTR./SEC.
Quantity Of Emission Discharged : 88383.15 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM)	mg/Nm ³	39.5	80	IS-11255 (Part-1)
2	Sulphur Dioxide, (SO ₂)	mg/Nm ³	8.1	300	IS-11255 (Part-2)
3	Oxide of Nitrogen, (NOx as NO ₂)	mg/Nm ³	12.8	600	IS-11255 (Part-7)
4	Carbon Monoxide, (CO)	%v/v	0.20	1	IS-13270

REMARKS-Fuel used-5.5 TPH SLOP & 7.0 TPH BAGASSE, CURRENT LOAD-32.0 TPH.

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

Page 1 of 1

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager



Formal No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amend. No. 04 Date 01.04.2020

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TC-8771

TEST REPORT

TEST REPORT NO.: ETS/1392/04/2023

URLNO.TC877123000001392F

DATE OF REPORT: 24.04.2023

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 : 17.04.2023
Analysis Start Date : 18.04.2023
Analysis End Date : 24.04.2023
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1392
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 : 120.0°C
Velocity Of Flue Gases : 13.9 MTR./SEC.
Quantity Of Emission Discharged : 88383.15 M³/Hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	37.2	80	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	7.5	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	0.18	1	IS: 13270

REMARKS-Fuel used-5.5 TPH SLOP & 7.0 TPH BAGASSE, CURRENT LOAD-32.0 TPH.

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



Page 1 of 1

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

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