ASIA ENVIRO LAB

(An ISO 9001:2015, 14001:2015, 45001:2018 & MOEF Approved Lab)

Job Description : Environmental Testing, ETP/STP Manufacturing, ETP/STP Plant Operation Pollution NOC Etc.

Lab - H1-837, Near Pollution Control Board, RIICO Industrial Area, Bhiwadi, Distt. Alwar (Rajasthan)-301019

Ph. No. : 01493-294022, 09694666022, Email : asiaenvirolab@gmail.com, Website : www.asiaenvirolab.com

Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-200323-09	27/03/2023

ISSUED TO: **M/S LALITPUR POWER GENERATION COMPANY LIMITED VILLAGE-MIRCHWARA-BUROGAON-CHIGLAUWA, BAR-BANPUR ROAD, BLOCK BAR, LALITPUR- 284123 (U.P) INDIA**

SAMPLING & ANALYSIS DATA

Sample Drawn on	:	17/03/2023 (15:55 to 16:25)
Sample Drawn By	:	Mr. Vivek Kumar/Amit Kumar Sharma(Asia Enviro Lab)
Sample Description	:	Boiler Stack Emission
Sampling Time	:	30
Sampling Plan &Procedure	:	SOP/SE/09
Analysis Duration	:	17/03/2023 TO 27/03/2023
Ambient Temperature(°C)	:	33
Stack Temperature (°C)	:	110
Source of Emission	:	**Stack Attached to Boilers No-3**
Attached APCS	:	**ESP**
Type of Fuel used	:	Coal
Quantity of Flue Used	:	309.5 ton/Hrs
Operating Load	:	86.95%
Type of Stack	:	RCC
Diameter of Stack(meter) (at port Hole)	:	7.5
Height of Stack above ground level(meter)	:	275
Average Velocity of Flue Emission (m/s)	:	21.32
Quantity Of Emission Discharge (Nm^3/hr)	:	2710886.49

ANALYSIS TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB EMISSION Standard for Boiler (Max)
1.	Particulate Matter (PM)	IS:11255(Part-1)	41.80	mg/Nm^3	50
2.	Sulphur dioxide (as SO2)	IS:11255(Part-2)	972	mg/Nm^3	200
3.	Nitrogen dioxide (as NO2)	IS:11255(Part-7)	332	mg/Nm^3	450
4.	Carbon monoxide (as CO)	IS:13270	0.0005	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm^3	0.03

Remark-The standard limit is applicable w.e.f Dec2017 onwards as per Govt. Notification Dated 07/12/2015.

BDL-Below detection Limit

CHECKED BY

ASIA ENVIRO LAB Auth. Sign. BHIWADI

AUTHORIZED SIGNATORY

Note: 1. The result listed refer only to the tested samples and applicable parameters.
2. Sample will be destroyed one month from the date of issue of test certificate.
3. Any complaints about this report should be communicated within 7 days of issue of this report
4. The report is Not to be reproduced-wholly or in part and can Not be used as an evidence in the Court of law and should Not be used in any advertising Media without our special permission in writing.

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Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-200323-08	27/03/2023

ISSUED TO : M/S LALITPUR POWER GENERATION COMPANY LIMITED
VILLAGE-MIRCHWARA-BUROGAON-CHIGLAUWA, BAR-BANPUR ROAD,
BLOCK BAR, LALITPUR- 284123 (U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Drawn on	:	17/03/2023 (15:20 to 15:50)
Sample Drawn By	:	Mr. Vivek Kumar/ Vivek Prajapati (Asia Enviro Lab)
Sample Description	:	Boiler Stack Emission
Sampling Time	:	30
Sampling Plan &Procedure	:	SOP/SE/09
Analysis Duration	:	20/03/2023 TO 27/03/2023
Ambient Temperature(°C)	:	31
Stack Temperature (°C)	:	110
Source of Emission	:	**Stack Attached to Boilers No-2**
Attached APCS	:	**ESP**
Type of Fuel used	:	Coal
Quantity of Flue Used	:	308 ton/Hrs
Operating Load	:	76.76%
Type of Stack	:	RCC
Diameter of Stack(meter) (at port Hole)	:	7.5
Height of Stack above ground level(meter)	:	275
Average Velocity of Flue Emission (m/s)	:	21.01
Quantity Of Emission Discharge (Nm^3/hr)	:	2671469.29

ANALYSIS TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB EMISSION Standard for Boiler (Max)
1.	Particulate Matter (PM)	IS:11255(Part-1)	39.2	mg/Nm^3	50
2.	Sulphur dioxide (as SO2)	IS:11255(Part-2)	969	mg/Nm^3	200
3.	Nitrogen dioxide (as NO2)	IS:11255(Part-7)	329	mg/Nm^3	450
4.	Carbon monoxide (as CO)	IS:13270	0.0005	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm^3	0.03

Remark-The standard limit is applicable w.e.f Dec2017 onwards as per Govt. Notification Dated 07/12/2015.

BDL-Below detection Limit

CHECKED BY

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Test Report of	Report Code	Date of Issue
Boiler Stack Emission	ST-200323-07	27/03/2023

ISSUED TO: M/S LALITPUR POWER GENERATION COMPANY LIMITED VILLAGE-MIRCHWARA-BUROGAON-CHIGLAUWA, BAR-BANPUR ROAD, BLOCK BAR, LALITPUR- 284123 (U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Drawn on	:	17/03/2023 (Time 14:50 to 15:20)
Sample Drawn By	:	Mr. Vivek Kumar/Amit Kumar Sharma (Asia Enviro Lab)
Sample Description	:	Boiler Stack Emission
Sampling Time	:	30
Sampling Plan &Procedure	:	SOP/SE/09
Analysis Duration	:	17/03/2023 TO 27/03/2023
Ambient Temperature(°C)	:	32
Stack Temperature (°C)	:	115
Source of Emission	:	**Stack Attached to Boilers No-1**
Attached APCS	:	**ESP**
Type of Fuel used	:	Coal
Quantity of Flue Used	:	284.1 ton/Hrs
Operating Load	:	63.59%
Type of Stack	:	RCC
Diameter of Stack(meter) (at port Hole)	:	7.5
Height of Stack above ground level(meter)	:	275
Average Velocity of Flue Emission (m/s)	:	20.86
Quantity Of Emission Discharge (Nm^3/hr)	:	2633277.72

ANALYSIS TEST RESULT

S.N.	Parameter	Test Method	Results	Units	CPCB EMISSION Standard for Boiler (Max)
1.	Particulate Matter (PM)	IS:11255(Part-1)	38.65	mg/Nm^3	50
2.	Sulphur dioxide (as SO2)	IS:11255(Part-2)	982	mg/Nm^3	200
3.	Nitrogen dioxide (as NO2)	IS:11255(Part-7)	322	mg/Nm^3	450
4.	Carbon monoxide (as CO)	IS:13270	0.0006	% by Volume	1% Volume
5.	Mercury (as Hg)	AAS Method	BDL	mg/Nm^3	0.03

Remark-The standard limit is applicable w.e.f Dec2017 onwards as per Govt. Notification Dated 07/12/2015

BDL-Below detection Limit

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