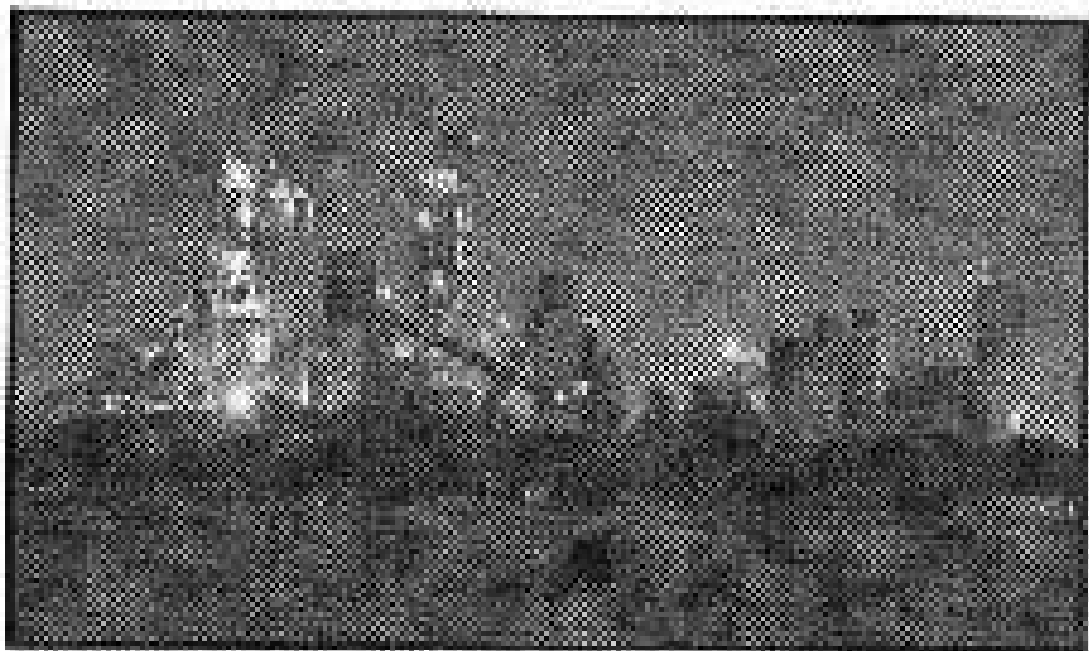




**M/S. NUVOCO VISTAS CORPORATION  
LIMITED  
JOJOBERA, JAMSHEDPUR**



**MONTHLY  
ENVIRONMENTAL MONITORING REPORT  
MONTH: JUNE 2019**



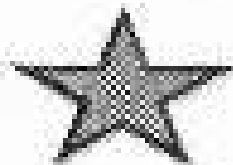
**SCIENTIFIC RESEARCH LABORATORY**  
50, LAKE EAST (4<sup>TH</sup> ROAD), SANTOSH PUR, JADAVPUR, KOLKATA - 700 075  
WEBSITE: [www.srlkolkata.com](http://www.srlkolkata.com)  
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## MONTHLY ENVIRONMENTAL MONITORING REPORT JUNE 2019

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3	AMBIENT NOISE MONITORING	3	4
4	DRINKING WATER	1	1
5	WASTE WATER	2	1

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Website: [www.scrl.co.in](http://www.scrl.co.in)

(Lab. No: SR/MS/JEM/16-201-2019)

Project No: SR/2019/16

## STACK EMISSION MONITORING REPORT

Name of the client/Job Factory	:- IYS INDOO SYSTEMS CORPORATION LIMITED P.O. - KHAMARSONA, JODUPARA GEMENT PLANT DIST. - EAST MIDNAPUR, JAMSHEDPUR REGION
Report No.	:- SR/16-201-2019

### A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK

Stack diameter (mm)	:- 800 ØF 2
Exit point (mm)	:- Combination of Flanges G
Material used for the stack	:- S.S.
Shape of stack	:- Circular
Number and type of the air pollution control devices	:- 000
Height of the stack from ground level	:- 4.00 m
Height of the sampling point to ground level	:- 4.25 m
Diameter of the tower (Sampling Point)	:- 1.20 m
Flow rate	:- 1.2500 MT
Flow rate (volume)	:- 1.2500 MT
Power Generator Capacity (kW)	:- 7500 kW

### B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT

Parameter (Unit)	:- Result	Standard (mg)
Temperature of ambient air (deg. C)	:- 27	
Relative humidity (%) at 1m height	:- 74	
Velocity of wind (m/sec)	:- 6.0	
Direction of wind (Wind)	:- 207/240	
Concentration of Sulphur dioxide (ppm)	:- 0.00	
Concentration of Nitrogen dioxide (ppm)	:- 0.00	
Concentration of Carbon dioxide (ppm) (CO <sub>2</sub> at 1m)	:- 34	Standard (mg)
Concentration of Particulate Matter (mg/M <sup>3</sup> )	:- 25.98	30

### C. REMARKS:

Test Method	:- IS 15512 Part 1, 2, 3, 4, 5, 6 & 7
Demand Sampling	:- 12.03.2019
Demand Ending & Completion of Analysis	:- 13.03.2019 & 20.03.2019
Demand Reporting	:- 27.03.2019
Category of Pollution Control Device	:- Bag Filter
Report No.	:- SR/16/201/MS/JEM/16-201-2019

Scientific Research Laboratory  
 Kolkata, West Bengal  
 Environmental Engineers

—End of Test Report—  
1 of 1

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Website : [www.srllabs.com](http://www.srllabs.com)

[LABORATORY IDENTIFICATION]

[FORM NO. SRL/FORM/14]

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S HUNADON STEELS CORPORATION LIMITED P.O. RAJALAKSHYAN, JALANPURA CHENNAI PLANT DIST. EAST SINGAPORE, JAWAHAR ROAD, CHENNAI.	
Camp. No.	IS-213-2018	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack construction	4500P4 (SLAG GRINDING CIRCUIT)	
Flue gas temp.	Process Available	
Material of construction of stack	M.S.	
Shape of stack	Circular	
Whether stack is directly with process or with duct	Yes	
Height of the stack from ground level	42.3 m	
Height of the sampling point from ground level	31.3 m	
Whether stack is Sampling Point	Yes	
Volume	1.7	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameters tested	SO <sub>2</sub> , NO <sub>x</sub>	
Temperature of emission (°C)	50	
Flow rate (volume) (m <sup>3</sup> /hr)	70	
Wind speed (m/sec) (u-Prev)	0.4	
Quantity of air flow (m <sup>3</sup> /hr)	179700	
Concentration of Pollutant (mg/m <sup>3</sup> )	SO <sub>2</sub> : 5000	
		Standard Limit : 50
<b>C. REMARKS</b>		
Test Method	EPA Method 1, 1.1, 3, 4, 5, 6, 7	
Date of Sampling	10/01/2018	
Date of SO <sub>2</sub> , NO <sub>x</sub> & Compliance Analysis	10/01/2018 & 21/01/2018	
Date of Reporting	21/01/2018	
Details of Pollution Control Device	Dry Filter	
Remarks	SRL/ANALYSIS/2018-018-018-018	

*S. P. Dasgupta*  
Executive Director  
Scientific Research Laboratory

—Director For Signature—  
Date

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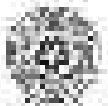
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Website: www.srilab.com

[LIC. NO. TGT/04/9009/100F]

[Pollution No. 251/PM/09]

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory:	RISHI RADCO METALS CORPORATION LIMITED P.O. RAHARPOKHA, RAHARPOKHA CEMENT PLANT 118, RAHARPOKHA, RAHARPOKHA - 721 206	
Sample No.	SR-210-2018	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack connected to:	CSE BFC	
Is leak ductile:	Combustion/Flue gas duct	
Height of lower end of stack:	6.5	
Shape of stack:	Circular	
Material of stack (e.g. mild steel, galvanized iron, etc.):	Yes	
Height of the stack from ground level:	51.8 m	
Height of the chimney from ground level:	46.30 m	
Diameter of the stack at Sampling Point:	1.42 m	
Inlet used:	Inlet side	
Flue Gas analyzer:	1200/1800T	
Hours worked or capacity (load):	25 MTPH	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter, Unit:	Results	
Temperature of exhaust, (avg. °C)	75	
Exhaust velocity, (avg. m/sec)	213	
Velocity angle in stack, (avg. °)	5.03	
Stack gas pressure, (kg/cm <sup>2</sup> )	0.00635	
Concentration of Sulphur dioxide, (ppm by Vol)	20022	
Concentration of Nitrogen dioxide, (ppm by Vol)	20030	
Concentration of Carbon dioxide, (% vol by Orsat method)	14	
Concentration of Hydrogen Sulphide, (mg./Nm <sup>3</sup> )	25-0	
<b>C. REMARKS</b>		
Test Method:	IS 4000 (Part 2) & IS 4001	
Date of Sampling:	17/05/2018	
Date of Sampling & Completion of Analysis:	12/05/2018 & 21/05/2018	
Date of Reporting:	21/05/2018	
Name of Official in Charge (Client)	Sujit Paul	
Report No.	SR/14/04/MSD/EM/15-210-2018	

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Client Test Report  
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Website: www.srilab.com

SR/L-TEST/19/04/02/04/19

Formal No.: SR/L-TEST-19

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	MS WOODWASTES CORPORATION LIMITED PO-BAHAROLA, WOODEN CEMENT PLANT DST-FPS-3, SHARDA, JAMSHEDPUR-831 015	
Sample No.	S-2019-319	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack connected to	SM EP2 (JUNCTION BRIDGE SIDE)	
Structure of	Cylindrical / Funnel	
Material of construction of stack	MS	
Shape of stack	Circular	
Whether stack is provided with permanent dilution device	Yes	
Height of stack from ground level	27.0 m	
Height of sampling point from ground level	40.0 m	
Distance of stack from sampling point	1.20 m	
Fuel used	Burruss Oil	
Fuel Consumption	1526 Liters	
Working Load	750 Tm	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameters, (mg/m <sup>3</sup> )	3.00 mg	
Temperature of sample (dry B)	63	
Barometric pressure (mm Hg)	940	
Relative humidity (mm Hg)	67%	
Quantity of sample (m <sup>3</sup> )	2000.00	
Concentration of Sulphur dioxide (mg/m <sup>3</sup> )	50.25	
Concentration of Nitrogen dioxide (mg/m <sup>3</sup> )	50.78	
Concentration of Carbon monoxide (ppm by Dry Gas Basis)	0.3	
Concentration of Particulate Matter (mg/m <sup>3</sup> )	50.00	
		Standard Limit
		50
<b>C. REMARKS</b>		
Date of test	07th March 2019, 10:30 AM	
Date of Sampling	13.03.2019	
Date of Sampling & Date of Report	13.03.2019 & 21.03.2019	
Date of Reporting	21.03.2019	
Date of Issue of this Report (Month)	Sep 2019	
Report No.	SR/L-TEST/19/04/02/04/19-2019-3019	



Officer in Charge  
of Environmental Control

Head of the Report  
1/2/19

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Website : [www.srll.com](http://www.srll.com)

[ U.K. : 1019470300000000 ]

[ FORM NO. SR/1/PAM/10 ]

## STACK EMISSION MONITORING REPORT

Name & Address of the Facility	M/S HAPCO VETAS CORPORATION LIMITED PO RAJASOHNA, RAJESHA CEMENT PLANT DIST. EAST MIDNAPUR, WAPDA'S JALPAIGURI	
Emp. No.	S-260-2018	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack diameter (m)	50" OF 4 (SEAS 3600X500) (1)	
Date of erection	17/06/2018	
Material of construction used	MS	
Class of stack	Type III	
Whether stack is provided with permanent protection for	Yes	
Height of the stack from ground level	45.3 m	
Height of the sampling point from ground level	36 m	
Direction of wind Sampling Point	SE Side	
Velocity	5 m	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Pressure (mmHg)	760.00	
Temperature (Ambient) (deg. C)	28	
Relative humidity (at sampling)	74	
W. bath of each stack (reference)	1.45	
Char. Dev. of gas flow (m/min)	128164	
Concentration of Particulate Matter (mg/m <sup>3</sup> )	21.27	
		Standard Limit
		30
<b>C. REMARKS</b>		
Test Method	FEM Method (S, O, SO <sub>2</sub> , CO, SO <sub>3</sub> )	
Date of Sampling	10.06.2018	
Duration of Sampling & Sample Size (g)	10.06.2018 to 21.06.2018	
Date of Reporting	21.06.2018	
Name of the Client/Analyst/Device	Eng. SR/1	
Page No.	SR/1/ENV/ST/1/0018-008-108	

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Analytical & Environmental Engineering Laboratory

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(1 of 1)

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ISO Accredited: 2009

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Website : [www.srpl.com](http://www.srpl.com)

LABORATORY IDENTIFIER :

Final No. : SR/1/PR/118

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	:- M/S LUNDOO & STAG CORPORATION (PVT) LTD. P.O. RAHAROSHAI, CONCRETE-CEMENT PLANT DIST. RAJSHI, MEDHINI, RAJSHI DISTRICT
Sample No.	:- S-221-2015

### A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK

Stack diameter (m)	:- 301 CM Ø (CLINNET BRINDING CIRCUIT)
Stack height (m)	:- 20.00 (CLINNET BRINDING CIRCUIT)
Material of construction of stack	:- M.S.
Shape of stack	:- Circular
Area of stack (with or without platform) (sq.m)	:- 7048
Height of the stack from ground level	:- 20.00 m
Height of the sampling point from ground level	:- 18.00 m
Distance of the stack from Sampling Point	:- 1.40 m
Wind speed	:- Fairly good
Air temperature	:- 32.00 (C) (M)
Windy direction	:- SW (W)

### B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT

Number of test	:- 06 (Six)	
Temperature of air (C) (M)	:- 33	
Relative humidity (RH) (%) (M)	:- 74%	
Speed of wind (km/hr) (M)	:- 4.76	
Concentration of Sulphur dioxide (ppm) (M)	:- 2021.42	
Concentration of Nitrogen dioxide (ppm) (M)	:- 273.15	
Concentration of Carbon monoxide (ppm) (M)	:- 217.25	
Concentration of Carbon dioxide (M) (by Gravimetric)	:- 80	
Concentration of Total Suspended Matter (M) (M)	:- 25.00	
		<b>Standard</b>
		30

### C. REMARKS

Method used	:- EPA Method 1.5, 1.4, 1.5 & 7
Date of Sampling	:- 10.06.2015
Date of Sampling & Completion of Analysis	:- 15.06.2015 & 21.06.2015
Name of Engineer	:- 21.06.2015
Details of particular Emission Device	:- 1kg Filter
Report No.	:- SR/1/SURVISE/TEST/15-221-2015

Ananta Kumar Das  
Officer In-Charge, Laboratory

— End of this Report —  
2/2

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[AIR - 10/04/2016/06/01/15F]

[Form No. - SRL/FORM-14]

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S N JACOBI & STAS CORPORATION LIMITED P. O. - KALIGHATA, JALPAIGURI DISTRICT, PURNIA DIST. - PURNIA, BIHAR, INDIA PIN - 851 015
Stack No.	S - 004 - 0102

### A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK

Stack geometry (m)	50.00 (DIAMETER 6000 MM Ø 6000)
Stack height	Medium Height (m)
Direction of wind (dominant)	N/A
Shape of stack	Circular
Characteristics of pollutants (acid gas, heavy metal, particulate matter)	Toxic
Height of the stack from ground level	40.0 m
Height of the sampling point from ground level	40.0 m
Distance stack to Sampling Point	1.20 m
Reference	154

### B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT

Stack status (m/s)	400.00
Temperature at stack inlet (°C)	75
Atmospheric pressure (mm Hg)	760
Acidity of gas (mole/m <sup>3</sup> volume)	0.00
Capacity of stack (m <sup>3</sup> /min)	107000
Concentration of particulate matter (mg/m <sup>3</sup> )	1500
	<b>Substantiated</b>

### C. REMARKS

Test Method	IS 1500 (PART 1) & IS 1500 (PART 2)
Date of Sampling	13/06/2016
Date of starting & completion of Analysis	15/06/2016 & 21/06/2016
Lab. of Hq. Office	51/25/80/6
Details of Pollution Control Officer	bag. 10/01
Ref. No.	SRL/INDIA/ISO/FORM-14-2016

Pollution Control Officer  
District Pollution Control Officer

\_\_\_\_\_  
Date

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SR/L-1026/2015/01/2018/1

Form No. SR/L-1026/18

## STACK EMISSION MONITORING REPORT

Name & Address of the Facility	M/S SURESH STEEL CORPORATION LIMITED P.O.-RAJESWAR, J. GUPTA, RAJESWAR PLAN, DIST.-EAST MIDNAPUR, JHARKHAND, INDIA	
Pin Code	814024	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack Geometry	NO OF STACKS DURING CHECK	
Stack Height	Rising Velocity	
Material of Stack (above stack)	MS	
Shape of stack	Circle	
Is it at the top level or open roof platform etc.	Yes	
Height of the stack from ground level	43.0 m	
Height of the sampling point from ground level	43.5 m	
Downwind direction (by Wind)	ESE	
Wind speed	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter (Unit)	Range	
Temperature of ambient (°C)	4	
Relative humidity (RH %)	79	
Velocity of gas (m/sec)	4.15	
Quantity of gas flow (m <sup>3</sup> /min)	6.2417	
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	5.31	
		<b>Sample No.</b>
		23
<b>C. REMARKS</b>		
Test Method	IS 16320 Part 1, 2, 3, 4, 5, 6 & 7	
Date of Sampling	12.06.2018	
Date of Calling & Completion of Analysis	13.06.2018 & 21.06.2018	
Date of Reporting	21.06.2018	
Details of analyzer (Name, Model)	9.9 Filter	
Report No.	SR/L-1026/2015/01/2018-2018	

Head of the Report  
Date

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SR/L-1026/2015/01/2018

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[ UTL - TGTSG / 2003/0304 ]

Form No: 35 (FAM-18)

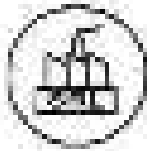
## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S HUNDOO METALS CORPORATION LIMITED P.O. RAJNAGAR, JODHPUR, GARHWAL (RAJ) DIST. RAJNAGAR, RAJ. PIN-345001	
Camp No.	S- 217 - 2019	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack as indicated by	S/S 011 (CLIPPER GRINDING CIRCUIT)	
Direction of flow	From West	
Material to be analysed	TSP	
Shape of stack	Circular	
Inside diameter (mm)	700	
Height of the stack from ground level	45.2 m	
Height of the sampling point from ground level	46.50 m	
Diameter of the Sampling Point	129 mm	
Location	S/S	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter, Unit	Result	
Temperature of the stack (deg. C)	38	
Pressure at the stack (mm. Hg)	140	
Relative humidity, (%)	62.7	
Quantity of gas flow (Nm <sup>3</sup> /hr)	240000	Substantial
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	100	2
<b>C. REMARKS</b>		
Type of Method	SPM Method - IS 1405 / IS 7	
Date of Sampling	11.05.2019	
Date of Reporting & Completion of Analysis	11.05.2019 & 21.05.2019	
Date of Report	21.05.2019	
Details of pollution Control Device	Bag Filter	
Remarks	SRL/HUNDOO/EM/S-217-2019	

  
Anil Kumar  
General Manager  
Scientific Research Laboratory

Anil Kumar  
J-201

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West Bengal Pollution Control Board  
G.P.O. No. 17333  
Kolkata - 700 019

P3, Lane East 14th Road, Sankoshpur, Ludhaura, Kolkata - 700 075

Toll Free: (033) 2445 2367, Tel.: (033) 2445 1811, Email: [info@srsl.com](mailto:info@srsl.com), [srl@srsl.com](mailto:srl@srsl.com) or [srsl@gmail.com](mailto:srsl@gmail.com)

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[SR-TOY-24452367]

Form No.: SR/17001/19

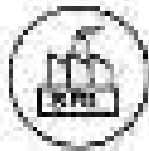
## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S LALCO & STAS CORPORATION LIMITED POLYMER & STYRENE CEMENT PLANT DIST. EAST MEDHINI, JAMSHEDPUR - J.K.		
Sample No.	S-24-2019		
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>			
Stack connected to	NO. OF 3 (CLIMBER) RIDING CIRCUIT		
Entry or duct or	Flue Gas Duct		
Material of construction of stack	MS		
Shape of stack	Circular		
Whether stack is covered with corrosion product or not	Yes		
Height of the stack from ground level	+2.3 m		
Height of the sampling point from ground level	+1.0 m		
Diameter of stack at Sampling Point	0.6 m		
Location	J.K.		
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>			
Parameters, (Unit)	Result		
Temperature of the sample (°C)	28		
Pressure of the sample (mm Hg)	745		
Velocity of gas in stack (m/sec)	4.6		
Density of gas (kg/m <sup>3</sup> )	1.8725		Standard
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	25.2		20
<b>C. REMARKS</b>			
Test Method	IS 3044 Part 1, 2, 3, 4, 5, 6, 7		
Date of Sampling	17/02/2019		
Date of Sampling & Completion of Analysis	17/02/2019 & 21/02/2019		
Date of Reporting	27/02/2019		
Address of polluter's control board	J.K.P.O.		
App. No.	SR/14001/2015/IEC/15-24-2019		

Signature of the Analyst  
1/2/19

Signature of the Analyst  
17/02/2019  
Scientific Research Laboratory  
Kolkata - 700 075

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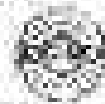
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Website: [www.srllab.com](http://www.srllab.com)

SLR-TCR/01/08/0001/007

Form No.: SR/L/HR/1/18

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S LINTCO & ESTABLISHMENT ENGINEERING PO- RAHAGORA, JOJDERA CEMENT PLANT DIST- EAST SINGUR, JHARSHUDA- 731 018	
Sample No.	S-221-1812	
<b>A. INFORMATION ON PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack diameter (m)	400 mm (15.748 INCHES (DIA))	
Flue gas flow	Process Air/Steam	
Material or substance (stack)	MS	
Stack height	10.00 m	
Height of the stack to provide full theoretical plume height	Yes	
Height of the stack to provide full theoretical plume height	40.00 m	
Height of the sampling station from ground level	40.00 m	
Distance of the stack (m)	100 m	
Flue gas	MS	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter (s)	Results	
Temperature of flue gas (deg C)	32	
Exhaustive velocity (m/s)	14	
Velocity of gas flow (m/s)	333	
Quantity of gas flow (m <sup>3</sup> /min)	14 (m <sup>3</sup> /min)	<u>Sampled (m<sup>3</sup>)</u>
Quantity of gas flow (m <sup>3</sup> /min) (at 100% flow)	30.00	33
<b>C. REMARKS</b>		
Test Method	EPA Method 1 & 3 & 5-1 & 5-7	
Date of Sampling	12.08.2018	
Date of Starting & Completion of Analysis	12.08.2018 & 21.08.2018	
Date of Reporting	21.08.2018	
Device used for Gas Flow Down	Bag Filter	
Report No.	SR/L/HR/1/18-221-2018	

\_\_\_\_\_  
Date of this Report  
2018

*S. Chatterjee*  
General Manager  
of Scientific Research Laboratory

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at Kolkata, West Bengal

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Website : www.srsl.com

(SRL-TC006/SH00000007)

Date of Iss. : 08.11.2019

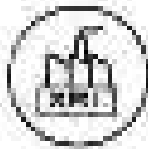
## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S SURESH WASTES (INDUSTRIAL ENGINEERS) PULKHAPOORA, DURGAM CEMENT PLANT 1ST FLOOR, MOHAN, LAKSHMINARAYAN-21615	
Sample No.	S-206-3208	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack diameter	3600mm (24 INCH OR 2400 CM DIA)	
Stack number	Pulka/04/0001	
Material construction of stack	MS	
Flag color	Orange	
Whether stack is provided with permanent platform scale or not	No	
Height of the stack above ground level	400.00 m	
Height of the sampling point from ground level	416.00 m	
Distance of stack from city/town	0.25 km	
Wind speed	N/A	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter (Unit)	Result	
Temperature of ambient (°C)	41	
Barometric pressure (mm of Hg)	763	
Wet bulb globe temperature (°C)	33.0	
Character of particle emission	DTOP-20	Stack height limit
Concentration of Total Suspended Matter (mg/M <sup>3</sup> )	30.50	10
<b>C. REMARKS</b>		
Test Name:	PM <sub>10</sub> (Total) (S) (C) (mg/M <sup>3</sup> )	
Date of Sampling	10.08.2019	
Date of Starting & Completion of Analysis	10.08.2019 - 21.08.2019	
Day of Reporting	21.08.2019	
Date of completion of final Report	21.08.2019	
Report No.	SRL/SL/PM10/SH/19-526-5018	

Ananta Choudhury  
Director and Analyst

Ananta Choudhury  
Director and Analyst

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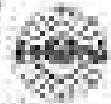
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(IUPAC : GCMATHROB007)

(Form No. : SRL/PM/15)

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S HUNOO VETAS CORPORATION LIMITED P.O. RAHARSOLE, JALDIGHAT CEMENT PLANT B.H.T. ROAD, BANGSOPUR, JALDIGHAT-731 216
Sample No.	3-312-2018

### A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK

Stack no. (old)	332071 (QUARTER BRICKS STACK)
Location due to	Process Area
Material / substance of stack	MS
Shape of stack	Circular
Whether stack is elevated or at the ground level	Yes
Height of the stack from ground level	41.0 m
Height of the surrounding building ground level	41.0 m
Diameter stack at Sampling Point	2.00 m
Fuel used	MS

### B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT

Parameter, % O <sub>2</sub>	8.26%
Temperature of the stack (dry-bulb)	31
Barometric pressure (mm of Hg)	760
Velocity of gas stack (m/sec)	5.22
Density of gas (kg/m <sup>3</sup> )	1.2034
Concentration of Particulate Matter (mg/m <sup>3</sup> )	2119

*Signature*  
Sd/-

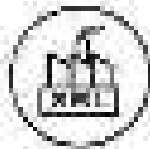
### C. REMARKS

Test Method	IS 15189:2015, 3.4.3, 4.3, 5.6.7
Date of Sampling	12/08/18
Use of Standard Composition of Analyte	IS 15189:2015, 5.8, 5.10.2.2.1.6
Name of Sampling	MS/2018
Mobile Application Control Device	Yes/No
Remarks	SRL/PM/AL/MS/EM/S-201-2018

—*Signature*—  
Date

*Signature*  
Name of Analyst  
Authorized Analyst

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Website: www.srilab.com

[ U.R. / TCM/01/0000000000 ]

[ Parameter: SRI/EN/15 ]

## STACK EMISSION MONITORING REPORT

Name & Address of the Facility	KSR INDUSTRIES AND CORPORATION LIMITED PO, KALANDIGUDA, JOLDOOPA CEMENT PLANT DIST. EAST SINGUR, WAPSI 73710-CHHORE	
Form No.	S-205-2019	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack connected to	TYPE 1 (CLIMBER GRINDING CIRCUIT)	
Design date	FY 1992 / 1990M	
Material of construction of stack	S.S	
Shape of stack	Circular	
Whether stack is provided with internal ladder/rungs	Yes	
Height of the stack to top of the top	4.3 m	
Height of the sampling point at ground level	31.3 m	
Distance of stack top from ground	27 m	
Radius	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLE AND TEST REPORT</b>		
Parameters (No.)	Results	
Wind speed of the stack (kmph)	0	
Barometric pressure (mm Hg)	740	
Velocity of gas (m/sec)	32	
Quantity of gas flow (Nm <sup>3</sup> /s)	19.96-20	<u>Observed</u>
Concentration of Particulate Matter (mg/Nm <sup>3</sup> )	2671	20
<b>C. REMARKS</b>		
Test Method	IS 14600 pt. 1, 2, 3, 4 & 5A, T	
Date of Reporting	13/02/2019	
Date of Sampling & Completion of Analysis	13/02/2019 & 27/02/2019	
MR No. of Report	27/02/2019	
Date of previous Control Order	None	
Signature	SRI/EN/01/0000000000 - 205-2019	

— Chief Test Report —  
Date

*Srinivasan*  
Sr. Analyst  
Environmental Department

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ISO 9001:2015

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Website : [www.srl-lab.com](http://www.srl-lab.com)

(SRL-TEST/BIOSK/CMF)

Form No: SRL/FORM/12

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S LALOO 4 STAR CORPORATION LIMITED P.O. RAJNAGARA, JOLPURA CENTRAL PLANT DIST. EAST MIDNAPUR, JHARKHAND-813006	
Emp. No.	S- 221 - 2019	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack no. involved	S13B12 (CLAMPER CHIMNEY CHIMNEY)	
Cause of due to	Process Accident	
Material of construction of stack	SPCC	
Shape of stack	Circle	
Whether stack is provided with circumferential platform/ladder	Yes	
Height of the stack as per ground level	42.7 m	
Height of the sampling point from ground level	42.7 m	
Diameter of stack at sampling point	160 mm	
Flue gas	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST RESULT</b>		
Parameter (s)	Results	
Temperature of ambient, (deg C)	41	
Barometric Pressure, (mm Hg)	745	
Relative humidity, (in %)	50	
Quantity of gas flow, (lit/min)	801350	<b>Standard Lit</b>
Concentration of Particulate Matter, (mg/M <sup>3</sup> )	0.15	30
<b>C. REMARKS</b>		
Test Method	IS 16320 Part 1, 2, 3, 4, 5, 6 & 7	
Period of Sampling	15/08/2019	
Duration of Sampling & Collection of Analyte	12:00:00 H & 20:00:00 H	
Date of Reporting	21/08/2019	
Class of stack, (as per Central Board)	Bag Filter	
Report No.	SRL/BIOSK/CMF/18-221-2019	

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Environmental Engineering Laboratory

\_\_\_\_\_  
Pollmoyra

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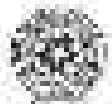
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NABL Accredited: 2007

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Website: [www.srll.co.in](http://www.srll.co.in)

SRLL - TCM/ST/18/03/19/05F

Form No.: SRLL/ST/18/19

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	: M/S. MUTHU SETHAS CORPORATION LIMITED P.O. RAJANGUDA, JOLU COOPERATIVE PLANT DIST. CHITTAORGUDDU, JAPANESE TOWN, CHENNAI
Sample No.	: S-256-2019
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>	
Stack connected to	: CHIMNEY (CLUBHOUSE BUILDING) (CHIMNEY-FAC-01)
Location of stack	: Process Area/Cell
Material of construction of stack	: MS
Shape of stack	: Circular
Whether stack is provided with permanent access ladder	: Yes
Height of the stack from ground level	: 30-40 m
Height of the sampling point from ground level	: 22.20 m
Diameter of stack at sampling point	: 1.12 m
Wind speed	: NA
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>	
Parameter Meas.	: Results
Temperature of exhaust (°C)	: 85
Barometric pressure (mm Hg)	: 745
Moisture of gas in stack (mm Hg)	: 5.23
Quantity of gas flow (m <sup>3</sup> /hr)	: 15-20.27
Concentration of Pollutants (mg/m <sup>3</sup> or ppm)	: 50.81
	<u>Stack Emission</u> 19
<b>C. REMARKS</b>	
Date of test	: 27th March 2019, 10:24 AM to 10:57 AM
Date of Reporting	: 10.06.2019
Period of Sampling & Reporting Interval	: 10.06.2019 to 21.06.2019
Date of Issuing	: 21.06.2019
Name of analyst/Analyst (Name)	: Raj. Raju
Report No.	: SRLL/MAN/ST/18/19/05F

Raj. Raju  
Analyst/Analyst  
Customer & Compliance

\_\_\_\_\_  
Raj. Raju

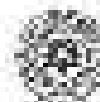
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Scientific Research  
Laboratory

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[ Lab: 107041850001000 ]

Form No: SR/CR/04/18

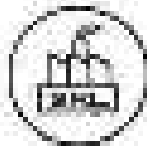
## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	M/S SUNDRO NESTAS CORPORATION LIMITED P.O. -BARABONGRA, -INDUSTRIAL DEVELOPMENT DIST. EAST MIDNAPUR, PIN-751001, INDIA	
Sample No.	E - 225 - 2019	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack description	BT 6P 2-33.1KMN BUILDING CIRCUMF-C	
Emission color	Fume Activity	
Vertical visibility (m)	10.0	
Height of stack (m)	27.0	
Height of the chimney and over	10.0 m	
Height of the sampling point (m)	42.0 m	
Distance of sampling point	1.10 m	
Flow rate	1.8	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Reference [Lab]	107041850001000	
Temperature of ambient (deg C)	31	
Relative humidity (mm Hg)	78	
Velocity of gas (m/sec)	0.82	
Quantity of gas (m <sup>3</sup> /min)	1297.00	Standardized
Concentration of Particulate Matter (mg/m <sup>3</sup> )	57.51	30
<b>C. REMARKS</b>		
Test No(s)	EPR/2019/1,2,3,4,5,6,7	
Date of Sampling	15/05/19	
Date of Issuing & Completion of Report	15/05/19 @ 01.05.2019	
Name of Reporting	SR/CR/04/18	
Depth of pollution Control Device	Bag Filter	
Serial No.	SRL/INFL/MSO/EM/12-128-1919	

Date: 15/05/19  
Signature of Analyst

— Seal of the Analyst —  
Date:

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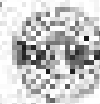
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Website: [www.srilab.com](http://www.srilab.com)

[SR/L-TC/04/18/08/08/02/1]

Form No: SR/L-TC/112

## STACK EMISSION MONITORING REPORT

Name & Address of the Industry	M/S LAKSHI STATUS CORPORATION LIMITED PO- RAHARHATA, RA- CHHINA GURUAT PLANT DIST-268018, PIN-741005, RAIPUR, JHARKHAND	
Sample No.	SR/211-2018	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack connected to	6th F.F. (AVON GARMENT)	
Factory name	Process: Laundry	
Material of construction of stack	S.S	
Shape of stack	Circle	
Medium such as gas/dust/fumes/solid particulate etc.	Gas	
Height of the stack from ground level	40.0 m	
Height of the chimney, or of the gas, at exit	5.0 m	
Distance stack or Sampling Point	1.20 m	
Loc. code	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Method used	Gravimetric	
Temperature of ambient air (°C)	40	
Relative humidity (RH) (%)	75	
Velocity of gas in stack (m/sec)	1.50	
Orifice diameter (mm) (Ø)	51.5200	
Concentration of Particulate Matter (mg/m <sup>3</sup> )	50.00	
<b>C. REMARKS</b>		
Test Method	EPA Method 1, 2, 3, 4, 5, 7 & 9	
Date of Sampling	18/05/2018	
Date of Sampling & Completion of Analysis	10/05/2018 & 21/05/2018	
Date of Reporting	21/05/2018	
Distance of pollution Control Device	Stack Top	
Loc. Code	SR/LAKS/MO/EM/18-211-2018	

Name of the Analyst  
Date of Reporting

\_\_\_\_\_  
Name of the Analyst  
Date

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OHSAS 18001:2007

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Website : [www.srllab.com](http://www.srllab.com)

[L&S - 001501-000000000000]

[Form No: SRL/EM/15]

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory:	M/S HUNGOON VESTAS CORPORATION LIMITED P.O. SAHAYDEVTA, JALANDHAR CEMENT PLANT DIST. BATHINDA, PUNJAB, INDIA-151 145
Sample No.	S-212-2018

### A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK

Stack connected to:	NO. 05 (1) PACKING PLANT
Location of site:	Phase 1, Sahaydevta
Material of construction of stack:	MS
Shape of stack:	Circular
Height of the stack above ground level:	100m
Height of the stack from ground level:	430m
Temperature at Sampling Point:	24°C
Wind speed:	5.4

### B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT

Flow rate (m <sup>3</sup> /min)	300.00
Temperature of ambient air (°C)	43
Barometric pressure (mm Hg)	740
Relative humidity (in %)	65.00
Direction of wind (Sector)	SW/14.28
Concentration of Particulate Matter (mg/m <sup>3</sup> )	2.10

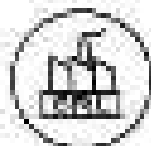
### C. REMARKS

Test Method	IS 4328 Method - 1, 2, 3, 4, 5, 5A, 7
Date of Sampling	13/05/18
Date of Start & End (Start/End Time)	13/05/18 - 13/05/18
Date of Reporting	21/05/18
Date of Issuing of Final Report	01/06/18
Page No.	SRL/476/MSO/EM/15-212-2018

\_\_\_\_\_  
Head of the Agency  
(SRL)

Head of the Agency  
Scientific Research Laboratory

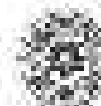
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Website : www.srllab.com

(SRL-027495/MS/2020)

(Form No. SR/EPAM/1)

## STACK EMISSION MONITORING REPORT

Name & Address of Enterprise	SRI JAGADIPURTA CORPORATION LIMITED P.O. RAJARGHRA, JOJIBERA, WESTBENGAL DIST. EAST MIDNAPUR, PINCODE-731 015	
Sample No.	S-213-2018	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack diameter (m)	385 mm (PAPER MILL)	
Frequency (times)	Factory Activity	
Material or substance (stack)	MS	
Height (m)	6.50 m	
Where stack is located with respect to plant/area	Free	
Height of the stack from ground level	18.0 m	
Height of the sampling point from ground level	24.0 m	
Distance of stack from plant	1.50 m	
Reference	S.A.	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST REPORT</b>		
Parameter (Unit)	: Result	
Temperature of ambient (in °C)	: 42	
Relative humidity (in %RH)	: 76	
Velocity of air (m/sec)	: 5.03	
Quantity of gas flow (lit/min)	1.50 m <sup>3</sup>	Standardized
Concentration of particulate matter (mg/M <sup>3</sup> )	25.73	23
<b>C. REMARKS</b>		
Date of Test	: 15/08/2018 (1, 2, 3, 4, 5, 6, 12)	
Date of Sampling	: 15/08/2018	
Date of Starting & Completion of Analysis	: 15/08/2018 & 21/08/2018	
Date of Reporting	: 21/08/2018	
Respective authorized person	: Eng. Mani	
Report No.	: SR/15AUGUST2018/18-573-2018	

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Quality Control & Assurance  
Environmental Engineering

—(1) of 2 (Page) —  
Date

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(SRL - TSTSP/CMR/0807)

(Form No. SR1 / SRM / 16)

## STACK EMISSION MONITORING REPORT

Name & Address of the Factory	MISHRAFOOTWEAR CORPORATION LIMITED P.O. RAJAGORA, JODHPUR CEMENT PLANT DET.-EAST SINGHUR, JANGSHAPUR, 811 019	
Sample No.	S-218-2019	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTICS OF STACK</b>		
Stack diameter (m)	4.75 m - 48.00 m (SLAB GRINDING)	
Stack height (m)	Practical Activity	
Material or structure of stack	MS	
Exp. velocity (m/s)	Crossed	
Whether stack is provided with particulate capture device	Yes	
Height of the stack from ground level (m)	22.00 m	
Height of the sampling point from ground level (m)	26.50 m	
Distance of the sampling point	322 m	
Pressure	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLE NO AND TEST REPORT</b>		
Parameter (Unit)	Result	
Temperature of emission (deg C)	42	
Emission density (g/m <sup>3</sup> )	715	
Velocity of gas (m/s)	4.53	
Quantity of gas flow (m <sup>3</sup> /min)	1040007	Standard
Quantity of Air flow (m <sup>3</sup> /min)	2110	23
<b>C. REMARKS</b>		
Test Method	IS 4328 Part 5, A. 1. 4.3.7	
Date of Sampling	11.08.2019	
Date of Starting & Completion of Analysis	11.08.2019 & 21.08.2019	
Date of Reporting	21.08.2019	
Name of person in Charge/ Director	Sug. N/A	
Report No.	SR1 / SRM / MSR / SRM / S-218-2019	

The Director  
Scientific Research Laboratory

The Analyst

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Website : www.srlab.com

[LAB. NO:SR/EN/15001/2015]

[Form No.: SRL/FORM/03]

## STACK EMISSION MONITORING REPORT

Client's Name of the Factory	M/S TAJCO WASTE CORPORATION LIMITED	
	F-10, KANAKOLA, JOURNALMENT PLANT	
	107, ENCL. 3, LABOUR, JAMSHEDPUR-831 011	
Stack No.	S-314-326	
<b>A. INFORMATION OF PHYSICAL CHARACTERISTIC OF STACK</b>		
Stack Diameter (m)	COAL MILL BT - 93.00M	
Exhaust gases	Factory Exhaust	
Material of construction of Stack	MS	
Shape of stack	Cylindrical	
Wind direction (usually with windward direction)	NW	
Height of the stack from ground level	47.30 m	
Height of the top of stack from ground level	33.30 m	
Diameter of the Sampling Point	300 mm	
Fluid used	NA	
<b>B. DETAILS OF STACK EMISSION SAMPLING AND TEST METHOD</b>		
Parameter (s)	Rusts	
Temperature of exhaust (°C)	75	
Exhaust velocity (m/s)	148	
Velocity of gas (m/s)	5.91	
Quantity of gas flow (m <sup>3</sup> /hr)	738257	
Concentration of Particulate Matter (mg/m <sup>3</sup> )	24.80	<u>Standard Limit</u> 10
<b>C. REMARKS</b>		
Test Method	EPA Method 1, 3, 4, 5, 6 & 7	
Date of Sampling	21.08.2018	
Date of Sampling & Reporting (if any)	21.08.2018 & 21.08.2018	
Date of Report	21.08.2018	
Details of person(s) in Charge	Exp. File	
Report No.	SRL/INDU/ENCL/EN/8-174-2018	

Head of Test Report  
1/2/18

G. S. Chatterjee  
Head of Test Report

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Website: [www.srl.co.in](http://www.srl.co.in)

[Lab: TGT/04/000000000]

[Format: SRL/PM-10]

## AMBIENT AIR QUALITY MONITORING

Name & Address of the Factory	* BASHROAD WASTES CORPORATION LIMITED PO-BHANGORA, JALDIGA CEMENT PLANT DIST. EAST MIDHUR, JAMSHEDPUR SH. S.E.		
Sampling Location	* Near Police, Bar		
Sample No. / Method No.	* A-167-2018		
Environmental Condition	* Average, 24 H	Sampling Date	* 10/03/2018 TO 10/03/2018
Analysis Period / Duration	* 24 H	Reporting Period	* 10/03/2018
Sample Retention / Storage Duration (H)	* 11/03/2018	Analysis / Sample No.	* 5/03/2018

### TEST REPORT OF AMBIENT AIR QUALITY MONITORING SRL/MICRO/04/000000000-167-2018 (Date: 10/03/2018)

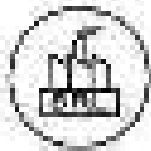
SL. NO.	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD LIMITS
01	PM <sub>10</sub>	µg/m <sup>3</sup>	69.68	IS 3025 (A) (2010)	500
02	PM <sub>2.5</sub>	µg/m <sup>3</sup>	43.08	IS 3025 (A) (2010)	400
03	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	42.04	IS 3025 (A) (2010)	800
04	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	43.08	IS 3025 (A) (2010)	450

NOTE: All the PM samples are collected over 24 hours.

\_\_\_\_\_  
Date: 10/03/2018

Ananta Kumar Mukherjee  
Head of Laboratory

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[SRL - TEST REPORT FORM]

Form No: SR/FRM/01

## AMBIENT AIR QUALITY MONITORING

Name & Address of the Facility	M/S HUPCO NISTAS CORPORATION LIMITED SILIGURHI ROAD, JAJOBERA CEMENT PLANT DIST - EAST SINGUR, JAMSHEDPUR - 831 015		
Sampling Location	Near National Road		
Sample Identification No.	A-130-2019		
Environmental Condition	Air Temp: 32°C	Sampling Date	13.08.2019 TO 14.08.2019
Average Relative Humidity	67%	Barometric Pressure	1028.1 mmHg
Sample Collection Method/Starting On	11.08.2019	Analysis Completed on	21.08.2019

### TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[SRL/NTA/TEST/AMBA-130-2019 Dated: 21.08.2019]

SL. NO	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD/LIMIT
01.	PM <sub>10</sub>	µg/m <sup>3</sup>	556.3	IS 308 (MAGG)	500
02.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	422.1	IS 308 (MAGG)	500
03.	Sulfur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	487.4	IS 308 (MAGG)	500
04.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	426.3	IS 308 (MAGG)	500

NOTE: NO<sub>2</sub> & PM<sub>2.5</sub> sampling was carried out for 24 hours.

Analyst  
Pratimanta Dasgupta

Signature of the Analyst  
Pratimanta Dasgupta

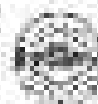
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[LDR - 1076/6/19800818111]

[Form No. SR/FORM/10]

## AMBIENT AIR QUALITY MONITORING

Name & Address of the Factory	M/S SURCOO VESTAS CORPORATION LIMITED P.O. RAHARODIA, ULJESARA CEMENT PLANT C-57, WEST BENGAL, JAMSHEDPUR-831 006		
Sampling Location	Roof top of 7th Floor		
Sampling Date/Time	A-10-1-2019		
Sampling Time (Local)	Air Temp: 25°C	Sampling Time	11:30 AM TO 12:30 PM
Atmospheric Pressure	1013	Barometric Pressure	(43.10 mmHg)
Sample Receiving Analyst's Name	Talal D'S	Sample Collection Date	21-05-2019

### TEST REPORT OF AMBIENT AIR QUALITY MONITORING

[FORM NO. SR/FORM/10-1-2019 Date: 24.05.2019]

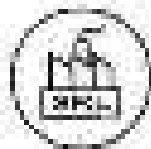
Sr. No	PARAMETER	UNIT	RESULTS	TEST SPECIFICATION	STANDARD LIMITS
01	PM <sub>10</sub>	µg/m <sup>3</sup>	86.23	IS 3025 (PART 1)	1500
02	PM <sub>2.5</sub>	µg/m <sup>3</sup>	48.24	IS 3025 (PART 1)	500
03	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	41.21	IS 3025 (PART 1)	500
04	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	38.25	IS 3025 (PART 1)	500

NOTE: PM<sub>10</sub> & PM<sub>2.5</sub> sampling frequency is limited to 4 times.

Talal D'S  
Senior Analyst  
Environmental Laboratory

\_\_\_\_\_  
Talal D'S

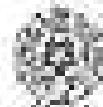
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[SLR: 075478/2007/1311]

[Form No. SRSL/FRM/10]

## AMBIENT AIR QUALITY MONITORING

Name of the user of the Facility	M/S LUNARO VISTAS CORPORATION LIMITED P.O. RAIPURGA, JALDIGERA CEMENT PLANT C/O ST. EAST ENGINEER, JALDIGERA-831006		
Sampling Location	Near Gate No. 1		
Sample Identification No.	A-12-2019		
Measurement Condition	At Temp: 27°C	Sampling Date	11.03.2019 To 13.03.2019
Reporting Frequency	30 Days	Reference Period	24 Months
Sample Receipt/Reported by	12.03.2019	Analyst/Checked by	21.03.2019

### TEST REPORT OF AMBIENT AIR QUALITY MONITORING

SRSL/RAIPURGA/JALDIGERA - 10311/2478/2007/1311/2019

SL. NO.	PARAMETERS	UNIT	RESULTS	TEST SPECIFICATION	STANDARD LIMITS
01.	PM <sub>10</sub>	µg/m <sup>3</sup>	5075	IS 10311 (2012)	1500
02.	PM <sub>2.5</sub>	µg/m <sup>3</sup>	6719	IS 10311 (2012)	450
03.	Sulfur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	4400	IS 10311 (2012)	850
04.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	4071	IS 10311 (2012)	850

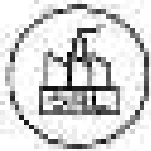
NOTE: All the PM is sampling is collected on filter paper.

*[Signature]*

Quality Controller  
Analytical Chemistry

—[Signature]—  
Lab. In-charge

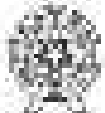
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[SR/LR-TC/2018/08/08/10217]

Formal No: SR.LR.FRM.118

## AMBIENT AIR QUALITY MONITORING

Name & Address of the Factory	M/S UNACED VESTAS CORPORATION LIMITED P.O. RAJAGHORA, DURGEGA CEMENT PLANT 13th EAST MIDNIGHT, JAMSHEDPUR-831 016		
Sampling Location	Near UOI Road		
Sample Identification No.	A-153-2018		
Sampling Method / Parameter	Avg Temp. (°C)	Sampling Date	11.05.2018 TO 12.05.2018
Average Relative Humidity	48%	Reference Parameter	TC in mg/m <sup>3</sup>
Sample Preservation/Analysis/Reporting On	10.05.2018	Analysis Completed on	27.05.2018

### TEST REPORT OF AMBIENT AIR QUALITY MONITORING (DILUTION SAMPLING - 10 - 2018 (08/01/2018))

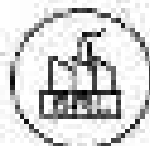
SL. NO.	PARAMETERS	UNIT	RESULT	TEST SPECIFICATION	STANDARD LIMITS
01	PM <sub>10</sub>	µg/m <sup>3</sup>	03.71	ISPC 9040M	150.0
02	PM <sub>2.5</sub>	µg/m <sup>3</sup>	42.28	ISPC 9040M	50.0
03	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	48.46	ISPC 9040M	75.0
04	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	42.46	ISPC 9040M	50.0

NOTE: PM<sub>10</sub> & PM<sub>2.5</sub> sampling was carried out for 24 hours.

Analyst  
Qualified Person

---End of Test Report---  
1 of 1

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# SCIENTIFIC RESEARCH LABORATORY

(Analytical & Environmental Engineering Laboratory)

Laboratory Accredited By National Accreditation Board for Calibration and Testing Laboratories  
Laboratory Accredited By West Bengal Pollution Control Board  
An ISO 9001:2015, ISO 14001:2015 & ISO/IEC 17025:2005 Certified



Address: 17/12,  
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Website: www.srilab.com

[CLIENT / CUSTOMER IDENTIFY]

FORMAT NO. SRL/FORM/211

## AMBIENT NOISE MONITORING

Client Name/Address	M/S SUDICO PESTICIDES CORPORATION LIMITED PO, RAHARORA, LOURDESAJI GEMENT PLANT DIST. EAST S MEDINIPUR, JAMSHEDPUR-831 018		
Sample Identification No.	AN-0-180-2019 TO AN-0-182-2019		
Sampling Date	14.05.2019	Sampling Process	7:30 AM to 8:00 AM
Sample Handling/Storage Starting On	15.05.2019	Analysis Date/Location	21.05.2019

### RESULTS OF AMBIENT NOISE LEVEL MEASUREMENTS

(AS PER IS 3743:2012 - 100 - 3018 TO 3021 - 100 - 3018 Date: 14.05.2019)

SAMPLE NO.	SAMPLING LOCATION	DAY TIME			NIGHT TIME		
		Leq (dB)	Leq (dB)	Equivalent Noise Level (dB) (Leq)	Leq (dB)	Leq (dB)	Equivalent Noise Level (dB) (Leq)
AN-0-180-2019	Near I.D. Office	71.0	70.1	71.30	61.0	65.0	62.20
AN-0-181-2019	Near Gate Office	71.2	70.5	71.00	61.8	64.2	63.00
AN-0-182-2019	Near Railway Gate	72.2	71.1	72.04	60.8	65.2	63.20

### NOISE LIMIT STANDARDS

Area Code	Category/Use Class	Leq (dB) (A-weighted, dB(A))	
		DAY TIME	NIGHT TIME
A	RESIDENTIAL AREA	70	70
B	COMMERCIAL AREA	70	60
C	INDUSTRIAL AREA	70	60
D	STANDARD AREA	70	60

NOTE 1

NOTE 2

For details refer to the Bureau of Indian Standards IS: 3743:2012  
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Ananta Kumar Ghosh  
Senior Analyst/Engineer

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AP: BG 001/2015, BG 100/2015 & CR 0548/1000/2017 Certified



Established: 2009  
SRM Institute of Science and Technology

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WWW: [www.srmlab.com](http://www.srmlab.com)

**Dr. KUTUBUDDIN MOHAMMED**

Form No.: SRM/PRM/117

## TEST REPORT

[Report No. SRM/ANL/2016-103-2019 Date: 13/03/2016]

### A. SAMPLE DETAILS:

Name of Laboratory/ Party Name	M/s. SANGRI & PUSK CORPORATION LIMITED PO: 401444-002, M, Ghatigaon, JALPAIGURI DISTRICT, WEST BENGAL		
Sample Type	Drinking Water		
Sample Location	Fertilizer Plant, Ghatigaon		
Sample Identification No.	GW-403-2015		
City/Region/City	Ghatigaon, West Bengal		
Sampling Method	APHA 2015 Edition, 16815		
Sample Submitted To	Colorimetric Test of Laboratory		
Sample Parameters	Parameter	Concentration Parameter	Unit
Water Sampling Date	13/03/2016	Colony Forming Units	100 CFU
Analysis Started On	13/03/2016	Analysis Completed On	13/03/2016

### B. RESULTS

Sr. No.	Parameter	Measures Detected (mg/l)	Regulatory Requirement (mg/l)	Permissible Limit by Alternative Methods	Result	Test Specification
<b>Organoleptic and Physical Parameters (Proceedure Clause 4)</b>						
a.	Color, (True Unit), Haz	3	5	15	4.3	APHA 2015 Edition, 2120 D
b.	Taste	-	Acceptable	Acceptable	Acceptable	IS: 3025 (Part 1) - 1993
c.	Odor	2	0 to 3.5	No Numerical	1.02	APHA 2015 Edition, 2120 D-F
d.	Turbidity	-	Acceptable	Acceptable	Acceptable	IS: 3025 (Part 1) 1993
e.	Total Dissolved Solids (mg/L, Dry)	1	1	1	1	APHA 2015 Edition, 2120 D
<b>General Parameters Concerning Substances Undetectable in Executive Reports (Foreword and Clause 4)</b>						
f.	Chloride (Cl <sup>-</sup> ) (mg/L, Max)	2	25	250	24.3	APHA 2015 Edition, 2120 D-F
g.	Sulfate (SO <sub>4</sub> <sup>2-</sup> ) (mg/L, Max)	2	250	1000	25.9	APHA 2015 Edition, 2120 D-F
h.	Iron (Fe) (mg/L, Max)	3.1	0.3	No Numerical	3.02	APHA 2015 Edition, 2120 D-F
i.	Manganese (Mn) (mg/L, Max)	1	0.1	1.0	0.1	APHA 2015 Edition, 2120 D-F
j.	Calcium (Ca) (mg/L, Max)	15	200	400	15	APHA 2015 Edition, 2120 D-F
k.	Total Hardness (as Calcium carbonate) (mg/L, Max)	5	200	500	71.0	APHA 2015 Edition, 2120 D-F
l.	Total Hardness (as CaCO <sub>3</sub> ) (mg/L, Max)	7	200	500	10.0	APHA 2015 Edition, 2120 D-F
<b>Microbiology (Clause 4.1.1)</b>						
m.	Total Coliform Count (MPN/100 ml)	1	0	0	0	IS: 3025 (Part 1) 1993

\* Testing Under Close Test or Secret Test No. SRM/000000

### C. REMARKS

The test report is valid only when used within the defined scope of the test.

It does not cover the analysis of the sample if it is not in the defined scope of the method used. It does not cover the analysis of the sample if it is not in the defined scope of the method used. It does not cover the analysis of the sample if it is not in the defined scope of the method used.

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*[Signature]*

Dr. KUTUBUDDIN MOHAMMED  
Principal Scientist

---End of Test Report---

(of 1)

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WATER LABS  
West Bengal Pollution Control Board

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Website: www.srilab.com

PLM/TEST/2024/01004

Form No.: SR/L/FORM/116

## TEST REPORT

Report No. SR/L/TEST/2024-01004/Total: 20/06/2024

### A. SAMPLE DETAILS

Name & Address of the Client	M/s. MEATCO & BREAD CORPORATION LIMITED P.O. RAJBARHORA, J.B. ROAD, GURUPUR, 701313, West Bengal		
Sample Type	Water / Tap		
Sample Location	STP Outlet		
Sample Number / Date	562 / 20/06/24		
Lab. No. / Method	1820 / 04		
Sampling Method	APHA 2015 (2) 1003		
Sample Collected By	Scientific Research Laboratory		
Sample Preservation	Refrigerate	Environmental Conditions	Open
Lab. Sample ID No.	1820/04	Sample No./Date, Desc.	1820/04
Analysis Done On	18/06/2024	Analysis Completed On	19/06/2024

### B. RESULTS

Sl. No.	Parameter	Unit	Minimum / Desirable Limit	Result	Test Method Specification	Limit
1	pH	-	6	6.88	APHA 2541 (2) 470-H-3	6.5-8.5
2	Total Suspended Solids	mg/L	5	90	APHA 2541 (2) 1004-B	500
3	Total Dissolved Solids	mg/L	10	820	APHA 2541 (2) 1005-C	-
4	Oxygen Demand	mg/L	5	21.0	APHA 2541 (2) 5005-B	-
5	Biochemical Oxygen Demand (5 days @ 20°C)	mg/L	10	15.0	IS: 3025 (Part 1) (2) 4001	150
6	Chloride (mg/L)	mg/L	5	450	APHA 2541 (2) 1003-B	50
7	Calcium (mg/L)	mg/L	2	370	APHA 2541 (2) 1003-CaB	-
8	Magnesium (mg/L)	mg/L	2	140	APHA 2541 (2) 1003-MgB	-
9	Sulphate (mg/L)	mg/L	20	150	APHA 2541 (2) 1003-SO4B	-
10	Total Hardness (CaCO <sub>3</sub> )	mg/L	75	5000	APHA 2541 (2) 1003-H	-

\*GENERAL REMARKS: For the result of parameter if result is beyond the specified limit, refer to the test report.

*Tripti Ghosh*

Tripti Ghosh  
(Analyst/Analyst in Charge)

---End of Test Report---

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