

**HEAD OFFICE**

**Uttarakhand Environment Protection  
and Pollution Control Board**

**“Gauradevi Paryavaran Bhawan”**

**46-B, I.T. Park, Sahastradhara Road,  
Dehradun (Uttarakhand)**



**Action Taken Report**

**Original Application No. 175 of 2019**

**In compliance of order dated 15.04.2019**

**of the**

**Hon'ble National Green Tribunal,**

**Principal Bench,**

**New Delhi**

**Action Taken Report  
In the matter of  
Original Application No. 175 of 2019**

**Arvind Kumar Gupta  
Versus  
State of Uttarakhand**

In compliance of the order passed by the Hon'ble National Green Tribunal, Principal Bench, New Delhi on dated 15.04.2019, inspection of the industry i.e. M/S R.B.N.S. Sugar Mills Ltd., Laksar, Distt. Haridwar was carried out by the Sub-District Magistrate, Laksar, Distt. Haridwar and officials of Regional Office, Uttarakhand Environment Protection and Pollution Control Board, Roorkee, Distt. Haridwar on dated 30.04.2019. Copies of inspection report along with effluent and stack emission monitoring report are enclosed as Annexure-1 and 2.

As per inspection report:

1. M/S R.B.N.S. Sugar Mills Ltd., Laksar is a sugar mill with installed capacity of 1000 Ton Cane Crushed per day and co-generation of 29.6 MW electricity.
2. The Unit had valid Consent to Operate up to 31.03.2019 and further applied for consent renewal.
3. The Unit has provided Effluent Treatment Plant (ETP) of 2500 KLD capacity consisting of Oil & Grease Trap; Equilization tank; Primary Clarifier; Aeration Tank; Secondary Clarifier; Tertiary Treatment System (Multi grade Filter) and Sludge drying beds. ETP was operational at the time of inspection.
4. ETP inlet and outlet sample were also collected during inspection. ETP outlet sample found within prescribed discharge norms.

5. The Unit has also provided boilers of 90TPH and 70 TPH capacity equipped with ventury wet scrubber as air pollution control system. Stack emission monitoring showed concentration of particulate matter within prescribed norms.
6. The Unit has also provided online effluent/emission monitoring system.
7. The drain passing nearby the Unit also inspected by the Team and no wastewater disposal from the Unit found in to the drain. The said drain carries wastewater from the Laksar town.

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Ann.- 1

मै0 आरबीएनएस शुगर मिल लि0, लक्सर के सम्बन्ध में निरीक्षण आख्या:-

मा0 एन0जी0टी0 द्वारा मूल आवेदन संख्या- 175/2019 अरविन्द कुमार गुप्ता बनाम उत्तराखण्ड राज्य में दिनांक 15.04.2019 के अनुपालन में बोर्ड मुख्यालय व जिलाधिकारी महोदय, के निर्देशों के अनुपालन में दिनांक 30.04.2019 को उपजिलाधिकारी की उपस्थिति में उक्त शुगर मिल का निरीक्षण किया गया।

सामान्य सूचनाएँ

1	उद्योग का नाम व पता	आर0बी0एन0एस0 शुगर मिल लि0 लक्सर
2	उद्योग की क्षमता (टी0सी0डी0)	10000 (टी0सी0डी0)
3	बिजली उत्पादन की स्थिति	29.6 MW
4	संचालनार्थ सहमति की स्थिति	31.03.2019 वर्ष 2019-20 आवेदन विचाराधीन है।
5	पेराई सत्र की अवधि	नवम्बर से अप्रैल
6	निरीक्षण तिथि	30.04.2019

1. निरीक्षण के दौरान उद्योग संचालन में पाया गया। उद्योग से जनित उत्प्रवाह के शुद्धिकरण हेतु 2500 के0एल0डी0 के उत्प्रवाह शुद्धिकरण संयंत्र (ETP) की स्थापना की गयी है। जिसके अन्तर्गत Oil & grease traps, equalization tank, Primary Clarifier, aeration tank, Secondary Clarifier, Tertiary treatment system (Multi grade filter) and sludge drying beds.

निरीक्षण के दौरान ई0टी0पी0 के अशुद्धिकृत/शुद्धिकृत उत्प्रवाह के इनलेट/आउटलेट के नमूना एकत्र किया गया नमूनों को MOEF & CC से मान्यता प्राप्त प्रयोगशाला में विश्लेषण हेतु भेजा गया। नमूने की विश्लेषण आख्या बोर्ड के निर्धारित मानकों के अनुरूप पायी गयी। मानक निम्नवत् है:-

ETP-Inlet

S.No.	Parameters	Units	Results
1	pH	NA	6.58
2	Total Suspended Solids	mg/L	235
3	Chemical Oxygen Demand	mg/L	800
4	Biochemical Oxygen Demand (for 3 days at 27°)	mg/L	280
5	Oil & Grease	Mg/L	14.6

ETP-Outlet

S.No.	Parameters	Units	Results
1	pH	NA	7.66
2	Total Suspended Solids	mg/L	46
3	Chemical Oxygen Demand	mg/L	108
4	Biochemical Oxygen Demand (for 3 days at 27°)	mg/L	28
5	Oil & Grease	Mg/L	3.8

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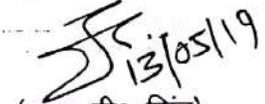
*[Handwritten signature]*

2. उद्योग में 90 एवं 70 Ton/hr क्षमता के ब्यायलर की स्थापना की गयी है जिसमें वायु प्रदूषण नियंत्रण हेतु Venturi Wet Scrubber व लगभग 90 एवं 70 मीटर चिमनी की स्थापना की गयी है। उद्योग द्वारा MOEF & CC मान्यता प्राप्त प्रयोगशाला से फ्लू गैस उत्सर्जन की अनुश्रवण आख्या प्रस्तुत की गयी है। जोकि बोर्ड मानको के अनुरूप पायी गयी।
3. उद्योग द्वारा OCEMS (Online continuous effluent/emission monitoring System) की स्थापना की गयी है जोकि निरीक्षण के दौरान संचालन में पाये गये। तथा उत्प्रवाह/उत्सर्जन का डाटा केन्द्रीय प्रदूषण नियंत्रण बोर्ड सी0पी0सी0बी0 के माध्यम से प्रेषित किया जा रहा है।

निरीक्षण के दौरान उद्योग परिसर के पास से गुजरने वाली लक्सर ड्रेन का निरीक्षण किया गया। उद्योग से जनित उत्प्रवाह लक्सर ड्रेन में निस्तारित होता नहीं पाया गया। लक्सर ड्रेन में लक्सर शहर का अशुद्धिकृत घरेलू उत्प्रवाह प्रवाहित होता पाया गया।

आख्या अग्रिम आवश्यक कार्यवाही हेतु सादर प्रस्तुत है।

  
(डा0 अजीत सिंह)  
सहा0 वैज्ञा0 अधिकारी

  
(एस0 पी0 सिंह)  
क्षेत्रीय अधिकारी

  
14.5.19  
(सोहन सिंह)  
उप जिलाधिकारी लक्सर



**TEST REPORT**

Ann-2

PARTY CODE : U/UKH/004  
U.E.P.C.B.

REPORT NO. : UK0501000219  
REF. NO. : NS

REGIONAL OFFICE, ROORKEE (UTTARAKHAND)

REF. DATE : NS  
DT.RECD : 01/05/2019

SAMPLE NAME : ETP-OUTLET (2) - 30/04/2019

RESULTS OF ANALYSIS				
Reference : EP Act Standard				
DESCRIPTION		: One Effluent water sample from Outlet of ETP marked as '(2) - 30/04/2019' was submitted by U.E.P.C.B. Roorkee on 30/04/2019.		
SAMPLING DATE		: 30/04/2019		SAMPLE QTY. : 1 LTR.
S.No.	Parameters	Units	Results	Protocols
1.	pH	NA	7.66	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	46	IS:3025 (P-17)
3.	Chemical Oxygen Demand	mg/L	108	IS:3025 (P-58)
4.	Biochemical Oxygen Demand (for 3 days at 27°C)	mg/L	28	IS:3025 (P-44)
5.	Oil & Grease	mg/L	3.8	IS:3025 (P-39)

Date of performance : 01/05/2019 to 06/05/2019  
NA = Not Applicable

**SAMPLE NOT COLLECTED BY US**

DATE : 06/05/2019

*[Signature]*  
ANALYST

*[Signature]*  
AUTHORISED SIGNATORY

**REMARKS** 1. Results listed refer only to the tested sample & applicable parameters. Endorsement of products is neither inferred nor implied. Page: 1 of 1  
2. Liability of laboratory is limited to the invoiced amount only. Any dispute arising out of this report shall be subject to Delhi jurisdiction only.  
3. This Report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of law and should not be used in any advertising media without special permission in writing.  
4. Sample shall be disposed off after issue of Test Report unless specified.  
5. A complaint register is available with the laboratory. Ranjan Kumar



# Sophisticated Industrial Materials Analytic Labs Pvt. Ltd.

(GOVT. APPROVED TESTING LABORATORIES)

Phone : +(91)-(11) 43854300  
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Website : www.simalab.net | www.simalab.com

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## TEST REPORT

PARTY CODE : U/UKH/004  
U.E.P.C.B.

REPORT NO. : UK0501000119  
REF. NO. : NS

REGIONAL OFFICE, ROORKEE (UTTARAKHAND)

REF. DATE : NS  
DT.RECD : 01/05/2019

SAMPLE NAME : ETP-INLET (1) - 30/04/2019

RESULTS OF ANALYSIS				
Reference : Party's Requirement				
DESCRIPTION		: One Effluent water sample from Inlet of ETP marked as '(1) - 30/04/2019' was submitted by U.E.P.C.B. Roorkee on 30/04/2019.		
SAMPLING DATE		: 30/04/2019		SAMPLE QTY. : 1 LTR.
S.No.	Parameters	Units	Results	Protocols
1.	pH	NA	6.58	IS:3025 (P-11)
2.	Total Suspended Solids	mg/L	235	IS:3025 (P-17)
3.	Chemical Oxygen Demand	mg/L	800	IS:3025 (P-58)
4.	Biochemical Oxygen Demand (for 3 days at 27°C)	mg/L	280	IS:3025 (P-44)
5.	Oil & Grease	mg/L	14.6	IS:3025 (P-39)

Date of performance : 01/05/2019 to 06/05/2019

NA = Not Applicable

SAMPLE NOT COLLECTED BY US

DATE : 06/05/2019

ANALYST

AUTHORISED SIGNATORY

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HARIWAR LABORATORY : Plot No. 37, Sector - 7, I.I.E. SIDCUL, Haridwar - 249403  
BUILDING MATERIAL LAB : Plot No. 107/11/2 & 107/20, Udhog Nagar Indl Area, Munjka, New Delhi-110041

Phone : +(91)-(01334) 235552  
Phone : +(91)-93198-28884

Email : simaharwar@simalab.com  
Email : bmlab@simalab.com

THIS CERTIFICATE IS NOT VALID WITHOUT A HOLOGRAM

SIM



**TEST REPORT**

PARTY CODE : R/UKH/011  
 R.B.N.S SUGAR MILLS LTD.  
 LAKSAR, HARIDWAR, UTTARAKHAND

REPORT NO. : UK0430000119  
 REF. NO. : NS  
 REF. DATE : NS  
 DT.RECD : 30/04/2019

SAMPLE NAME : STACK EMISSION

RESULTS OF ANALYSIS					
Reference : IS 11255 & EPA					
Description	: One Stack Emission sample was collected by us on 29/04/2019 between 01:20 PM to 01:50 PM.				
Name of Industry	: R.B.N.S SUGAR MILLS LTD.				
Name of plant & Section	: Boiler Section				
Emission Source Monitored	: Boiler Stack				
Type of Fuel Used	: Bagasse				
Stack Identification	: Boiler Stack No. 1 (90 Ton)				
Normal Operating Schedule (Hrs/day)	: 24				
Location of sampling Point	: As per norms				
Type of Chimney (ACC/Metal)	: RCC				
Stack Height (Meters)	:				
a. From source of Emission	: -				
b. From Roof Level	: -				
c. From Ground Level	: 60				
Diameter of stack (cm)	: 300				
Sampling Duration (minutes)	: 30				
Parameters Monitored	: PM only				
Purpose of Monitoring	: Assessment of pollution load				
Products Manufactured	: Sugar, Molasses				
Control measures (if any)	: Wet Scrubber				
Recovery of Material (if any)	: Nil				
General Sensory observations	: Normal				
Fugitive Emissions (if any)	: Nil				
Stack Temperature (°C)	: 128				
Ambient Temperature(°C)	: 38				
Average Stack Velocity (m/second)	: 8.20				
Quantity of Emission (Nm <sup>3</sup> /Hr)	: 154989				
S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	92.0 (at 12% CO <sub>2</sub> )	150	IS:11255 (P-1)

Date of performance : 30/04/2019 to 01/05/2019

SAMPLE COLLECTED BY US		
DATE : 01/05/2019	ANALYST	AUTHORISED SIGNATORY
<b>REMARKS</b> <ol style="list-style-type: none"> <li>Results listed refer only to the tested sample &amp; applicable parameters. Endorsement of products is neither inferred nor implied.</li> <li>Liability of laboratory is limited to the invoiced amount only. Any dispute arising out of this report shall be subject to Delhi jurisdiction only.</li> <li>This Report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of law and should not be used in any advertising media without special permission in writing.</li> <li>Sample shall be disposed off after issue of Test Report unless specified.</li> <li>A complaint register is available with the laboratory.</li> </ol>		
		Ranjan Kumar



**TEST REPORT**

PARTY CODE : R/UKH/011  
 R.B.N.S SUGAR MILLS LTD.  
 LAKSAR, HARIDWAR, UTTARAKHAND

REPORT NO. : UK0430000219  
 REF. NO. : NS  
 REF. DATE : NS  
 DT.RECD : 30/04/2019

SAMPLE NAME : STACK EMISSION

RESULTS OF ANALYSIS					
Reference : IS 11255 & EPA					
Description	: One Stack Emission sample was collected by us on 29/04/2019 between 03:00 PM to 03:30 PM.				
Name of Industry	: R.B.N.S SUGAR MILLS LTD.				
Name of plant & Section	: Boiler Section				
Emission Source Monitored	: Boiler Stack				
Type of Fuel Used	: Bagasse				
Stack Identification	: Boiler Stack No. 2 (70 Ton)				
Normal Operating Schedule (Hrs/day)	: 24				
Location of sampling Point	: As per norms				
Type of Chimney (ACC/Metal)	: RCC				
Stack Height (Meters)					
a. From source of Emission	: -				
b. From Roof Level	: -				
c. From Ground Level	: 60				
Diameter of stack (cm)	: 300				
Sampling Duration (minutes)	: 30				
Parameters Monitored	: PM only				
Purpose of Monitoring	: Assessment of pollution load				
Products Manufactured	: Sugar, Molasses				
Control measures (if any)	: Wet Scrubber				
Recovery of Material (if any)	: Nil				
General Sensory observations	: Normal				
Fugitive Emissions (if any)	: Nil				
Stack Temperature (°C)	: 120				
Ambient Temperature(°C)	: 38				
Average Stack Velocity (m/second)	: 8.02				
Quantity of Emission (Nm <sup>3</sup> /Hr)	: 154872				
S.No.	Parameters	Units	Results	Limits (Max.)	Protocols
1.	Particulate Matter	mg/Nm <sup>3</sup>	71.0 (at 12% CO <sub>2</sub> )	150	IS:11255 (P-1)

Date of performance : 30/04/2019 to 01/05/2019

SAMPLE COLLECTED BY US

DATE : 01/05/2019

ANALYST

AUTHORISED SIGNATORY

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