

DATE: APRIL 19, 2022

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	GESEC/PRO/2022-23/04/1463
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site :	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition :	In Operation.
Date of Sampling :	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Village 01 (Redni)	
02	Time of Sampling	08:30 A.M.	
03	Ambient Temperature	26 °C	
04	Dry Bulb Temperature	26°C	
05	Wet Bulb Temperature	18°C	
06	Relative Humidity	45.4%	
07	Sampling Duration	60 Min	
08	Particulate Matter (PM ₁₀)	54.63 µg/cum	100 µg/cum
09	Particulate Matter (PM _{2.5})	15.78 µg/cum	60 µg/cum
10	Sulphur Dioxide (SO ₂)	13.09 µg/cum	80 µg/cum
11	Oxides of Nitrogen (NO _x)	15.45 µg/cum	80 µg/cum

Note:

- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.

ANALYZED BY-





AUTHORIZED SIGNATORY



Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	GESEC/PRO/2022-23/04/1464
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site :	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition :	In Operation.
Date of Sampling :	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Village 02 (Bodni)	
02	Time of Sampling	08:40 A.M.	
03	Ambient Temperature	26 °C	
04	Dry Bulb Temperature	26°C	
05	Wet Bulb Temperature	18°C	
06	Relative Humidity	45.4%	
07	Sampling Duration	60 Min	
08	Particulate Matter (PM ₁₀)	56.86 µg/cum	100 µg/cum
09	Particulate Matter (PM _{2.5})	16.02 µg/cum	60 µg/cum
10	Sulphur Dioxide (SO ₂)	15.35 µg/cum	80 µg/cum
11	Oxides of Nitrogen (NO _x)	17.00 µg/cum	80 µg/cum

Note:

- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.

<p>ANALYZED BY-</p> 		<p>AUTHORIZED SIGNATORY</p> 
--	---	--

Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

AMBIENT AIR QUALITY MONITORING RESULTS


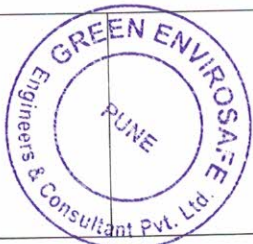

Report No.:	GESEC/PRO/2022-23/04/1465
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site :	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition :	In Operation.
Date of Sampling :	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Main Gate	
02	Time of Sampling	10:45 A.M.	
03	Ambient Temperature	31 °C	
04	Dry Bulb Temperature	31°C	
05	Wet Bulb Temperature	17°C	
06	Relative Humidity	22.2%	
07	Sampling Duration	60 Min	
08	Particulate Matter (PM ₁₀)	62.36 µg/cum	100 µg/cum
09	Particulate Matter (PM _{2.5})	22.41 µg/cum	60 µg/cum
10	Sulphur Dioxide (SO ₂)	23.05 µg/cum	80 µg/cum
11	Oxides of Nitrogen (NO _x)	28.63 µg/cum	80 µg/cum

Note:

- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.

ANALYZED BY-			AUTHORIZED SIGNATORY
			

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

AMBIENT AIR QUALITY MONITORING RESULTS




Report No.:	GESEC/PRO/2022-23/04/1466
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site:	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition:	In Operation.
Date of Sampling:	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Back Side of Distillery	
02	Time of Sampling	10:55 A.M.	
03	Ambient Temperature	31 °C	
04	Dry Bulb Temperature	31°C	
05	Wet Bulb Temperature	17°C	
06	Relative Humidity	22.2%	
07	Sampling Duration	60 Min	
08	Particulate Matter(PM ₁₀)	61.36 µg/cum	100 µg/cum
09	Particulate Matter (PM _{2.5})	20.78 µg/cum	60 µg/cum
10	Sulphur Dioxide	21.69 µg/cum	80 µg/cum
11	Oxides of Nitrogen	25.93 µg/cum	80 µg/cum

Note:

- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November, 2009.

ANALYZED BY- 		AUTHORIZED SIGNATORY 
---	---	---

Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

AMBIENT AIR QUALITY MONITORING RESULTS

Report No.:	GESEC/PRO/2022-23/04/1467
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site:	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition:	In Operation.
Date of Sampling:	12.04.2022

RESULTS

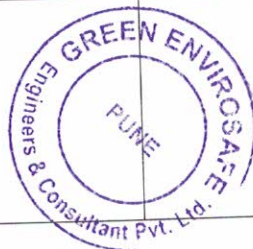
SR. NO.	TEST DESCRIPTION	READINGS	NAAQS
01	Test Location	Near Office	
02	Time of Sampling	11:05 A.M.	
03	Ambient Temperature	31 °C	
04	Dry Bulb Temperature	31°C	
05	Wet Bulb Temperature	17°C	
06	Relative Humidity	22.2%	
07	Sampling Duration	60 Min	
08	Particulate Matter(PM ₁₀)	60.39 µg/cum	100 µg/cum
09	Particulate Matter (PM _{2.5})	19.52 µg/cum	60 µg/cum
10	Sulphur Dioxide	20.78 µg/cum	80 µg/cum
11	Oxides of Nitrogen	24.57 µg/cum	80 µg/cum

Note:

- NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No. B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November, 2009.

ANALYZED BY-

[Handwritten Signature]



AUTHORIZED SIGNATORY

[Handwritten Signature]

Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

DATE: APRIL 19, 2022

WORKZONE AIR QUALITY MONITORING RESULTS

Report No.:	GESEC/PRO/2022-23/04/1468
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site:	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition:	In Operation.
Date of Sampling:	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	The Factories Act 1948, standards
01	Test Location	Bagasse Yard	
02	Time of Sampling	11:15 A.M.	
03	Ambient Temperature	32 °C	
04	Dry Bulb Temperature	32°C	
05	Wet Bulb Temperature	18°C	
06	Relative Humidity	23.6%	
07	Sampling Duration	60 Min	
08	Suspended Particulate Matter (SPM)	461.81 µg/cum	10000 µg/cum
09	Sulphur Dioxide	18.50 µg/cum	5000 µg/cum
10	Oxides of Nitrogen	20.74 µg/cum	6000 µg/cum

Note:

- The Factories' Act, 1948 has prescribed Work Zone Air Level threshold limit.

<p>ANALYZED BY-</p> 	<p>AUTHORIZED SIGNATORY</p> 
	

Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

WORKZONE AIR QUALITY MONITORING RESULTS




Report No.:	GESEC/PRO/2022-23/04/1469
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site:	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition:	In Operation.
Date of Sampling:	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	The Factories Act 1948, standards
01	Test Location	Cane Yard	
02	Time of Sampling	11:25 A.M.	
03	Ambient Temperature	32 °C	
04	Dry Bulb Temperature	32°C	
05	Wet Bulb Temperature	18°C	
06	Relative Humidity	23.6%	
07	Sampling Duration	60 Min	
08	Suspended Particulate Matter (SPM)	410.79 µg/cum	10000 µg/cum
09	Sulphur Dioxide	16.41 µg/cum	5000 µg/cum
10	Oxides of Nitrogen	18.00 µg/cum	6000 µg/cum

Note:

- The Factories' Act, 1948 has prescribed Work Zone Air Level threshold limit.

ANALYZED BY- 		AUTHORIZED SIGNATORY 
---	---	---

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

WORKZONE AIR QUALITY MONITORING RESULTS


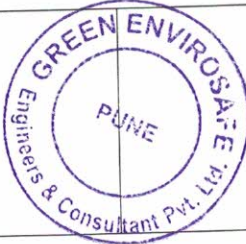

Report No.:	GESEC/PRO/2022-23/04/1470
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site:	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition:	In Operation.
Date of Sampling:	12.04.2022

RESULTS

SR. NO.	TEST DESCRIPTION	READINGS	The Factories Act 1948, standards
01	Test Location	Ash Storage	
02	Time of Sampling	11:35 A.M.	
03	Ambient Temperature	33 °C	
04	Dry Bulb Temperature	33°C	
05	Wet Bulb Temperature	18°C	
06	Relative Humidity	21.0%	
07	Sampling Duration	60 Min	
08	Suspended Particulate Matter (SPM)	496.55 µg/cum	10000 µg/cum
09	Sulphur Dioxide	15.24 µg/cum	5000 µg/cum
10	Oxides of Nitrogen	17.09 µg/cum	6000 µg/cum

Note:

- The Factories' Act, 1948 has prescribed Work Zone Air Level threshold limit.

ANALYZED BY- 		AUTHORIZED SIGNATORY 
---	---	---

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.

DATE: APRIL 19, 2022

NOISE LEVEL MONITORING RESULTS


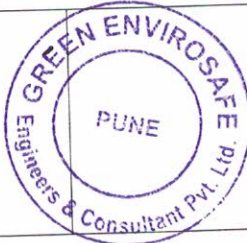

Report No.:	GESEC/PRO/2022-23/04/1471-1472
Industry :	Nira Bhima Sahakari Sakhar Karkhana Limited (Distillery Unit)
Site :	Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune - 413 114.
Plant Condition :	In Operation.
Sampling Date :	12.04.2022

RESULTS

SR.NO.	LOCATION	READINGS dB(A)	
		Day (12:20 P.M.)	Night (11:30 P.M.)
AMBIENT			
01	Near Main Gate	65.3	58.9
02	Near Molasses Tank	57.9	55.8
03	Near Parking	66.1	57.4
04	Near office	63.0	58.9
05	Near Lagoon Plant	62.5	54.4
	LIMITS	75.0	70.0
WORK ZONE			
01	Distillation Section	82.0	76.9
02	Store Room	65.2	54.1
03	Fermentation Section	78.5	69.0
04	Alcohol Storage	64.9	62.4
05	Cooling Tower	83.0	76.5
	Limits	90.0	

Note:

- Maharashtra Pollution Control Board (MPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.
- The Factories' Act, 1948 has prescribed Work Zone Noise Level threshold limit for 8 hours' exposure as 90 dB (A).

ANALYZED BY- 		AUTHORIZED SIGNATORY 
--	---	--

Terms and conditions

1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 04/12/2022.