

CIN: L85110KA1995PLC017730

VSIL/MoEFCC/HYR-2 /2023-24/04/ 5/6

Date:-31 May 2024

To
The Additional Principal Chief Conservator of Forests (Central)
MOEF & CC
Regional Office (Southern Zone)
Kendriya Sadan, IV Floor, E&F Wing
17th Main Road,
II Block Koramangala,
Bengaluru – 560034

Sir,

Sub :- Submission of the Half Year Report Reg... Ref No :- J-11011/453/2009-IA-II(I) Dated 11 Jan 2019

For your kind perusal please find attached updated documents and reports to the environmental compliance conditions to the EC accorded to our Industry "Vishwaraj Sugar Industries Limited" vide above reference number.

EC No and Date : J-11011/453/2009-IA-II(I) Dated 11 Jan 2019
Period of submission: 01 October 2023 to 31 March 2024

Copy Submitted to..

- 1) SEO Office Belagavi
- 2) KSPCB HO office Bengaluru
- 3) KSPCB RO office Chikkodi
- 4) CPCB RO office Bengaluru
- 5) District Magistrate Office Belagavi

Thanking You, Your's faithfully,

Mukesh Kumar (Executive Director) BELLAD BAGEWADI PER

Name of the Project : Vishwaraj Sugar Industries Limited

Environmental Clearance No & Date : J-11011/453/2009-IA-II(I) Dated 11 Jan 2019

Location District and State : Belagavi-Karnataka

Address for correspondence : Bellad-Bagevadi, Taluka-Hukkeri

Six Monthly Compliance Condition : Period of Submission 1 October 2023 to 31 March 2024

Compliance to the specific and general conditions mentioned in the environmental clearance accorded to our industry is as follows.

	Environmental Clearance Conditions	Compliance towards the conditions stipulated
Cond- Nos	Specific Conditions:	
01	All the specific conditions and general conditions specified in the EC accorded vide Ministry's letter no J-11011/48/2000-IA-II(I) dated 4 th May 2000 and SEIAA vide 19:IND:2007 Dated 16 th April 2008 shall be implemented.	And the world and a property and pathways and a pathways a pathways and a pathways and a pathways and a pathway
02	Distillery unit shall be based on molasses and no grain based distillery unit shall be operated.	The organization has accepted and follows the conditions, we are using molasses/Syrup as raw material.
03	Efforts shall be made to reduce PM ₁₀ levels in the ambient air and a time bound action plan shall be submitted. As proposed, Electrostatic precipitator (ESP) along with stack of adequate height should be provided to boiler (100 TPH) to control particulate emission within 100mg/Nm³. Bag filter along with stack of adequate height should be provided to boiler (13 TPH) to control particulate emission within 100mg/Nm³. At no time the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Efficiency of pollution control	We have installed high performance electrostatic precipitator to our Chimney along with ventury type wet scrubber which reduces the air pollution and maintains the PM level well within the stipulated condition. Please find attached analysis reports of our unit at Annexure 1.

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	device shall be monitored regularly; stack monitoring report shall be submitted to the Ministry's Regional Office at Bengaluru.	
04	The National Ambient Air Quality Emission standards issued by the Ministry's vide G S R No 826(E) dated 16 th November 2009 shall be followed.	followed. Please find
05	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling and conveyance of chemicals /materials, multi cyclone separator and water sprinkling system. Dust suppressions system including water sprinkling systems shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc, shall be confirmed to the limits prescribed by the KSPCB.	The factory has adopted fugitive dust mitigation and premises cleaning work. The road repair work is carried to avoid dust pollution. We are regularly maintaining the road to avoid dust nuisance.
06	Pucca Approach road to the project site to be constructed prior to the commencing construction activity of the main distillery so as to avoid fugitive emissions.	the factory has developed
07	The gaseous emissions from DG Sets shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosed shall be provided to the DG sets to mitigate the noise pollutions.	height as per CPCB
08	The company shall upload the status of compliance of the stipulated environmental clearance conditions including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the respective regional office of MoEFCC the respective Zonal Office of CPCB and KSPCB. The levels of PM ₁₀ , PM _{2·5} , SO ₂ , NO _x and	its environmental clearance conditions and updating periodically .The compliance to the conditions report is sent to the respective offices regularly. The

	HC(Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	analyzing its AAQ data on the display boards. Please find attached reports In the Annexure 1.
09	Company shall follow good management practices viz, collection of waste yeast sludge from fermentation section in a closed system and disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying spent wash to the treatment units, minimization of fugitive emissions from anaerobic treatment, proper collection and handling of excess sludge generated from the anaerobic and aerobic treatment units. Minimum retention of treated and untreated spent wash in the lagoon, effective composting of the spent wash by controlled effluent spraying through mechanical system to avoid spillage and over application, blending of sludge in correct proportion with press mud, properly finished compost and green belt development with suitable plantation in and around the treatment units to mitigate odor from the distillery unit.	source of all micronutrients. The factory has well developed green belt which will control the air pollution and mitigate the odor.
10	Total fresh water Requirement from the Ghtaprabha river shall not exceed 10 KL/KL of alcohol (ie.1000 m³/Day) for distillery , 800 m³/Day for sugar unit and 1105 m³/Day for cogeneration unit (64 MW) And prior permission for drawl of water shall be obtained from the concerned authorities. No ground water shall be used.	expansion having EC No J- 11011/453/2009-IA-II (I) dated 24 Nov 2011 and CFO No AW-332706 dated 08 Aug 2022 the industry is
11	Spentwash generation should not exceed 10KL/KL of alcohol. Spent wash from the distillery (100	

	KLPD) will be treated in anaerobic digester followed by evaporation unit and bio composting. Spent lees effluent from the utilities and cogeneration unit should be treated in the norms prescribed by CPCB/KSPCB and recycle/reuse within factory premises. Domestic effluent shall be treated through septic tanks followed by anaerobic filter and treated effluent shall be used for gardening purpose.	spentwash well below 10KL/KL of alcohol.
12	Waste water generation from the sugar unit shall not exceed 100 liters per ton of cane crushed. Effluent from the sugar unit shall be treated in the effluent treatment plant comprising neutralization tank followed by two stage aeration system.	The Industry has very well maintained ETP plant and the sugar unit, the effluent being generated is not exceeding 100 liters per ton of cane.
13	As proposed no effluent from sugar, distillery and co-generation power plant shall be discharged outside the premises and zero discharge shall be adopted.	The effluent is being treating in the ETP and utilized for the green belt development. The industry has adopted zero water discharge policy.
14	Process effluent /any waste water shall not be allowed to mix storm water. Storm water drain shall be passed through guard pond.	We have well maintained water streams and there is no any mixing of storm water and effluent water. The storm water is being passed through the guard pond.
15	Spent wash shall be stored in impervious lagoon with HDPE lining as per CPCB guidelines and shall be kept in proper condition to prevent ground water pollution Storage capacity of spent wash lagoon shall not exceed 30 days.	The industry has well established Spentwash holding lagoons and are leak proof. The storage capacity is not exceeding 30 days.

16	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area should be setup. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry .The ground water quality monitoring for pH, BOD COD ,Chloride, Sulphate and total dissolved solids should be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bangalore and KSPCB.	adequate numbers of ground water quality monitoring stations by providing piezometers. Please find attached analysis report of piezometer at Annexure No 3
17	Bagasse storage shall be done in such a way that it does not get air born or fly around due to wind.	The bagasse storage yard is surrounded by permanent wall and which will avoid dust nuisance.
18	Company shall submit a copy of memorandum of Understanding (MoU) with coal supplier for imported coal to the Ministry's Regional Office at Bangalore.	The industry is using Indian Coal and not imported coal to our distillery boiler.
19	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air born by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	The factory is storing the boiler ash separately and avoiding the air born effects.
20	Fire fighting system shall be as per the OISD 117 norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control the alcohol storage tank.	The fire fighting system in the distillery is according with the standards. The industry has installed appropriate fire extinguishers at locations.

	98	
21	Risk assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Bangalore within six months.	The industry is conducting regularly the risk assessment survey and attending the jobs at the earliest. In case any incidents are occurred the industry will report to the Ministry and concerned regional office at the time.
22	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	The industry is conducting regularly health checkup program and maintain record of each employee. At all appropriate locations the first aid box has been placed.
23	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	The Industry has well facility for the loading and unloading of the materials with good traffic management.
24	Green belt shall be developed be in 33% of plot area to migrate the effects of fugitive emissions all around the plant as per CPCB guidelines in consultation with the DFO. Thick greenbelt with suitable plant species shall be developed around the proposed distillery to mitigate the odor problem.	
25	All the commitments made during the Public Hearing \Public Consultation meeting held on 28th January 2011 shall be satisfactory implemented and adequate budget provision shall be made accordingly.	The Industry has completed all the commitments made in the Public Hearing.
26	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking , mobile toilets, mobile sewage	The Industry has provided well accommodation to the construction labors with all basic facilities. Regularly

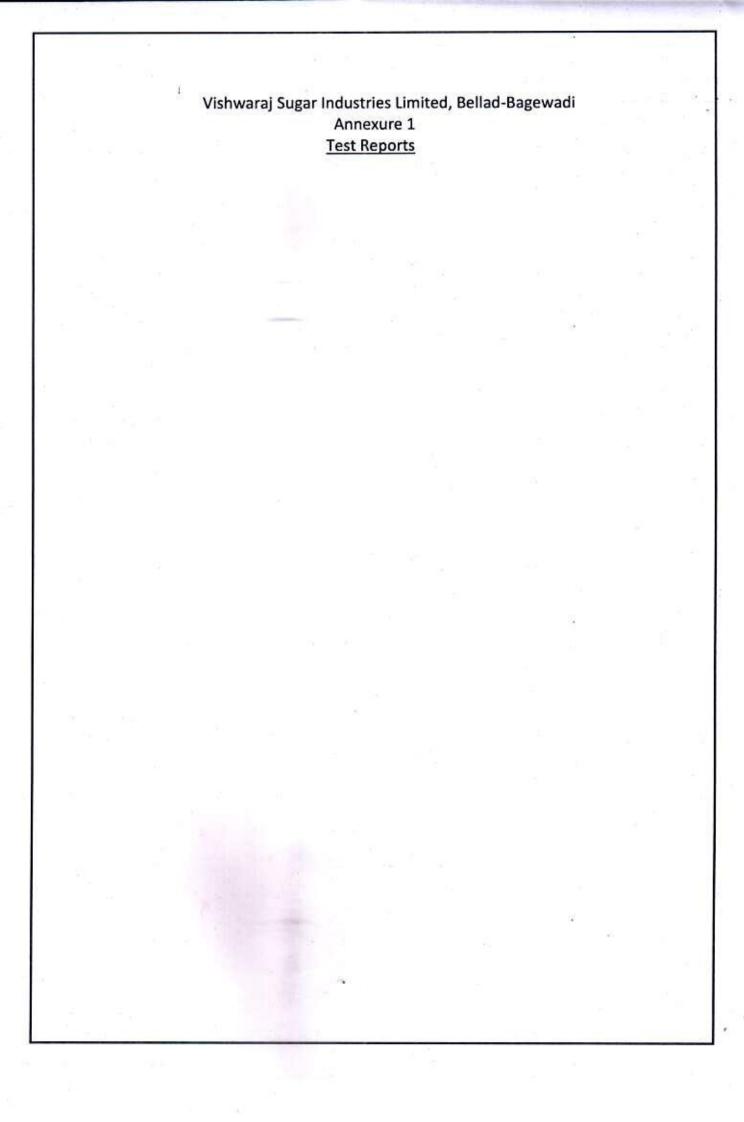
	treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	conducting and temporary cabins provided to the employees.
В	General Conditions:	8.
1	The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board.	
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	further modification without approval from the MoEFCC and other statutory body.
3	The locations of ambient air quality monitoring stations shall be decided in consultation with the Karnataka State Pollution Control Board (KSPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	concern we are testing the ambient air quality. Please
4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act ,1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The Industry has mitigated all its equipment's with proper silencers and enclosures. The industry has maintained standard permitted levels of sound during day and night. Please find attached analysis report on Annexure No 1

5	The company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	the rain water harvesting and provided rain water
6	The company shall obtain Authorization for collection, storage and disposal of hazardous (Waste Management, Handling and Transboundary Movement) Rules, 2008 and its amendment time to time and prior permission from SPCB shall be obtained for disposal of solid \hazardous waste including boiler ash.	The factory has Hazardous waste handling and disposal permit and disposes accordingly. Please find attached
7	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains.	We have well maintained
8	Usage of Personnel Protection Equipment's by all employees \workers shall be ensured.	The Industry has provided PPE's to all its employees and time to time a health program is conducting.
9	Training shall be imparted to all employees on safety and health aspects of chemicals handling Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	conducting regularly safety and health aspects of chemical handling and
10	The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted Ministry. All the recommendations made the EIA\EMP in respect of environmental	The organization has complied the environmental protection measures. The subjects relating to the

	management in risk mitigation measures and public hearing relating to the project shall be implemented.	
11	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	The Industry is promoting in the CSR and accordingly constructed a newly tar road for the people connecting Gudas village to Bagevadi. The industry also supplying pure and clean drinking water to the nearby factory and running a primary school, high school and ITI collage. Factory has surveyed ground water and the report has been submitted.
12	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	
13	A separate Environment Management Cell equipped with fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	

14	The company shall earmark sufficient funds toward capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management \pollution control measures shall not be diverted for any other purpose.	
15	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla parishad \Municipal corporation, Urban local body and the local NGO, if any from whom suggestions\ representations, if any, were received while processing the proposal.	The Industry has completed all the suggestions and recommendations from
16	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e- mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Karnataka State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on website of the company.	the six monthly reports on the status of compliance to all respective offices and
17	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Bangalore Regional Offices of MoEF by e-mail.	statement in form-V is submitting to the respective offices with all details within stipulated time. Please find attached form V

18	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of clearance letter are available with SPCB\Committee and may also be seen at Website of the Ministry at http/envior.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the shall be forwarded to the concerned Regional Office of the Ministry.	The industry has completed all the activities as informed in the environmental clearance report and the same has been informed to the public and circulated in the news papers. (A §)
19	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	The industry has informed the respective offices of the financial closure and final approval of the project.
8.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	The industry has accepted the conditions.
9.0	The Ministry reserves the right to stipulate additional conditions, if found necessary The company in a time bound manner will implement these conditions.	The industry has accepted the conditions.
10.0	The above conditions will be enforced, inter-alia under the provisions of the Water(Prevention & Control of Pollution)Act 1974, Air (Prevention & Control of Water Pollution) Act,1981, the Environment(Protection)Act 1986 Hazardous Wastes (Management and Handling) rules, 2003/2008 and the Public Liability Insurance Act,1991 along with their amendments and rules.	





PAPL

PADMAJA AEROBIOLOGICALS PVT. LTD.

Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC

Gazette Notification No. 8 © 3744/E) Valid upto: 16:10:2024 ISO 9001 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31:12.2625

AIR-F-005

A1R-F-005
FICATE OF ANALYSIS EPORT FOR STACK EMISSION
473A/A-126A/02-24
**
19/02/2024
M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri. Dist – Belgaum.
PADMAJA AEROBIOLOGICALS PVT, LTD.
08/02/2024
ICULARS OF STACK
Sugar Boiler (70 & 80 TPH)
3.63
73.0
117
9.3
Bagasse

POLLUTION PARAMETERS							
Parameter	Result	Limit	Unit	Method used			
Particulate Matter (PM)	67	100,0	mg/Nm	IS-11255 (Part 1) 2019			
Sulfur Dioxide (SO ₂)	<15.0		mg/Nm	IS-11255 (Part 2) 2009			
Nitrogen Oxides (NOx)	<2.0		mg/Nm ²	IS-11255 (Part 7) 2012			
Carbon monoxide (CO)	ND		mg/Nm3	GC			
Non-Methane Hydrocarbons (NMHC)	ND		mg/Nm ³	GC			

Remark: --

Instrument used: - Politech make Model PEM - SMK 10B, ID, No. PAPL/LAB/076 Instrument Calibration Due date: - 20/04/2024.

N.D.:- Not Detected

Analyst

Kings Reviewed by

Authorized Signatory

---- End of test report -----



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CIN | U73100MH1995PTC092502

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AIR-F-005

CERT	IFICATE OF ANALYSIS
ANALYSIS RI	EPORT FOR STACK EMISSION
Report Ref. No.	473B/A-126B/02-24
Work Order No.	
Report Date	19/02/2024
Name of Industry Address:	M.s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305. (Tq) - Hukkeri, Dist - Belgaum
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.
Date of Sampling	08:02/2024
PART	ICULARS OF STACK
Stack Attached to	1000 KVA Generator Set
Stack Diameter (Meter)	0.3
Stack Height (Meter)	30
Stack Temperature (°C)	168
Stack Velocity of Flue Gases (m/s)	10.3
Type of Fuel	Diesel (Load -550KW)

POLLUTION PARAMETERS						
Parameter	Results	Limit	Unit	Method used		
Particulate Matter (PM)	29	75	mg/Nm ³	IS-11255 (Part 1) 2019		
Sulfur Dioxide (SO ₂)	237	710	ppmy	18-11255 (Part 2) 2009		
Nitrogen Oxides (NOx)	359	710	ppmy	IS-11255 (Part 7) 2012		
Carbon monoxide (CO)	52	150	mg/Nm ³	CC		
Non-Methane Hydrocarbons (NMHC)	30	100	mg/Nm³	GC		

Remark: --

Instrument used: - Polltech make Model PEM - SMK 10B, ID, No. PAPL/LAB/076 Instrument Calibration Due date: - 20/04/2024.

Reviewed by

Authorized Signatory



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PADMAJA AEROBIOLOGICALS PVT. LTD.

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CIN U73100MH1995PTC092502

NASL Accreditation Certificate No. TC-5088 Valid uple 31.12.2025

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	473C A-126C 02-24	Report Da	re 19 0	2/2024				
Work Order No.								
Name of Customer	M/s. Vishwaraj Sugar Industries Ltd.							
Address	Beltad-Begewiith -591305, (Tq) - Hukkeri, Dist - Belgaum.							
MoEF Certificate No.	S () \$744 Exceed 17.	0.2019	Valid up to	0 15 10	2024			
Type of sampling	AAQM	24Hrs.	W.A	OM	8 Hrs.	10		
	RDS	1		DS				
Instrument used	ID No.	PAPL LAL	1093 11	No.		PAPILLAB 043		
	Calibration Due Date	15/04/2024	U	alibration	n due Date	20.04.2024		
Date of Sampling	08/02/2024		Sample	e Ref. No	D.	- Common to		
Location of sampling	Sugar Main Gate							
Sample Collected By	Padmaja Aerobiologica	is Pvi. Lid.						
POLLUTION PARAMET	ERS		Janes L					
Parameter	Result	Limit	Unit	Met	hod			
Particulate Matter (PM ₂₂)	3.2	60	μg m'		imetric meth B guidelines	od (2012, NAAQS Votume 1)		
Particulate Matter (PM) 1	63	100	µg/m		82(Part-23):	The second secon		
Sulphur Dioxide (SO ₂)	-10	80	ug m	185	82(Part-02):	2001,2017		
Nitrogen Dioxide(NO ₂)	<10	80	µg m	IS 5	82(Part-06);	2006,2017		
HC Methane (CH ₁)	0.5		nom	18.51	82(Part-21):	2001		

Sampling Conditions	Rain	No	Construction site near by	No
Sampling Concludis	Wind	No	Vehicular Activity	Yes

Remark:--

Note: This test report may not be produced in part or full, without the permission of this laboratory. This test report refers only no the sample collected by lab for testing.

Thalys

Reviewed by
---- End of test report -----

Authorize Signatory





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CIN. U731D0MH1895FTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

AIR-F-006

Ref. No.: 473D/A-126D.02-24

Work Order No. : --

Name of the Industry:

Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305. (Tq) - Hukkeri.

Dist Belgaum.

Date of Sampling: 08/02/2024

Test Method: IS 9989: 1981

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

Sr. No.	STATION	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
1	* Factory General Office	45.9	40.1
2 '	"Sugar Store House	53.7	42.5
3	*Sugar ETP Plant	57.3	55.1
4	*Near Compost Yard	52.3	41.0
5	*Factory Colony	42.5	38,8

Remark: -- * Limit As per Factories Act 1948 dB(A)- <90 dB(A) and **CPCB guideline Day Time <75 dB(A) and Night Time <70

Instrument used: -Kusam-Meco KM 929 MK1 ID. No. PAPL LAB 064

Instrument Calibration Due date: - 22/10/2024

End of test report ----

Authorize Signatory

'NANDAN' Plot No - 36, Sec-24, Near Bank Of India, Turbhe, Navi Mumbai - 400 705.





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ISO 9001: 2015, ISO 45001:2018 Certified
CIN: U73100MH1995PTC092502
NABL Accreditation Certificate No. TC-5058 Valid upto 31.12.2925

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-01A/02-24	Report Date : 19.02.2024
Sample Ref No.	: 01A/EW-01A/02-24	Sampling plan / SOP : -
Name of Indus	: Vishwaraj Sugar Industries L	td.
Address	: A/p. Bellad-Bagewadi - 591305	, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Sugar ETP Untreated & Sugar ETP Treated Water Samples	Sample Collected by : SEC
Date of test compl	etion : 18.02.2024	Date of sample Collection: 09.02.2024
Sample Quantity & co		Date of sample receipt : 10.02.2024

TEST RESULT

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Unit	Standards for Treated Sample	Test Method
1	Color	_	< 5	Hazen	5	IS:3025 (P-4) 1983
2	Odor		Agreeable	E .	Agreeable	IS:3025 (P-5) 1983
3	рН @ 25 °C	3.67	8.18		5,5-8.5	IS:3025 (P-11) 1983
4	Chemical Oxygen Demand	3220	32	mg/l	250	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	1475	<4	mg/l	100	IS:3025 (P-44) 1993
6	Total Dissolved Solids	2158	587	mg/l	2100	IS:3025(P-16)1984
7	Total Suspended Solids	334	48	mg/l	100	IS:3025 (P-17) 1984
8	Chloride as Cl	149	40	mg/l	600	IS:3025 (P-32) 1988
9	Sulphate as SO ₄	90	26	mg/l	1000	IS:3025 (P-24) 1986
10	Oil & Grease	10	'nD	mg/l	10	IS:3025 (P-39) 1991

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ANALYSED BY

REVIEWD BY

AUTHORIZED SIGNATORY

---- End, of test report-----



Public Testing Laboratory

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Gazette Noofication No. S O 3744(E) Valid upto: 18.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502 NABL Accreditation Certificate No. TC-5088 Visid valo 31.12.2025

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-02A/02-24	Report Date : 19.02.2024			
Sample Ref No.	: 02A/EW-02A/02-24	Sampling plan / SOP : -			
Name of Indus	: Vishwaraj Sugar Industri	es Ltd.			
Address	: A/p. Bellad-Bagewadi - 59	wadi – 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample	: Factory Reservoir Water	Sample Collected by : SEC			
	etion : 18.02.2024	Date of sample Collection: 09.02.2024			
Sample Quantity & co		Date of sample receipt : 10.02.2024			

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS :2296 Standards	Test Method
1	Color	<5	Hazen		IS:3025 (P-4)1983
2	Odor	Agreeable	-		IS:3025 (P-5)1983
3	pH @ 25 °C	7.90		6.5-8.5	IS:3025 (P-11)1983
4	Turbidity	2.1	NTU		IS:3025 (P-10)1984
5	Total Alkalinity (as CaCO ₃)	130	mg/l		IS:3025 (P-23)1986
6	Chemical Oxygen Demand	5	mg/l		IS:3025 (P-58)2006
7	B.O.D. (3 days at 27°C)	<4	mg/l		IS:3025 (P-44)1993
8	Total Dissolved Solids	198	mg/l	2100	IS:3025(P-16)1984
9	Chloride as Cl	15	mg/l	600	IS:3025 (P-32)1988
10	Hardness (as CaCO ₃)	110	mg/l		IS:3025 (P-21)1983
11	Calcium (as Ca)	34	mg/l		IS:3025 (P-40)1991
12	Magnesium (as Mg)	6	mg/l		IS:3025 (P-46)1994
13	Sodium (as Na)	43.5	mg/l		IS:3025 (P-45)1993
14	Potassium (as K)	3.8	mg/l		IS:3025 (P-45)1993
15	% Na (Max)	45.26	%	60	By Calculation
16	Sodium Absorption Ratio	1.8		26	By Calculation
17	Residual Sodium Carbonate	0.4	meq/l	2.5	By Calculation
18	Electrical Conductivity	336	μmhos/cm	2250	IS:3025 (P-14)1984

Remark:

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Public Testing Laboratory

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Gazette Notification No. S.O.3744(E) Valid upto: 16.10.2024 ISO 9001: 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

	FICATE OF ANALYSIS PORT FOR STACK EMISSION			
Sample / Report Ref. No.	1122F/A-463F/01-24			
Work Order No.				
Report Date	31/01/2024			
Name of Industry Address:	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.			
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.			
Date of Sampling	23/01/2024			
PART	ICULARS OF STACK			
Stack Attached to	Sugar Boiler (70 & 80 TPH)			
Stack Diameter (Meter)	3.63			
Stack Height (Meter)	73.0			
Stack Temperature (°C)	126			
Stack Velocity of Flue Gases (m/s)	9.8			
Type of Fuel	Bagasse			

POLLUTION PARAMETERS							
Parameter	Sugar	Limit	Unit	Method used			
Particulate Matter (PM)	71.0	100.0	mg/Nm³	IS-11255 (Part 1) 1985			
Sulphur Dioxide (SO ₂)	N,D,		mg/Nm ³	IS-11255 (Part 2): 1985			
Nitrogen Oxides (NOx)	N.D.	N.S.	mg/Nm ³	IS-11255 (Part 7): 2005			
Carbon monoxide (CO)	N.D.	N.S.	mg/Nm ³	IS 5182(Part-10):1999			
Non-Methane Hydrocarbons (NMHC)	N.D.	N.S.	mg/Nm ³	IS-5182 (Part 21)-2001			

Remark: Our NABL certificate validity has been extended from 31/12/2023 to 29/02/2024 as per NABL Assistant Director

Instrument used: - Polltech make Model PEM - SMK 10B, ID. No. PAPL/LAB/076

Calibration Due date: - 20/04/2024.

N.S.: -Not Specified N.D.: Not Detected

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31 12 2023

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-463G/	01-24	Report	Date	31/01	/2024			
Work Order No.									
Name of Customer	M/s. Vishwara	M/s. Vishwaraj Sugar Industries Ltd.							
Address	Bellad-Begewa	Bellad-Begewadi -591305, (Tq) - Hukkeri, Dist - Belgaum.							
MoEF Certificate No.	S.O.3744(E) d	ated 17.10	0.2019	Valid	up to	16/10/2024			
Type of sampling	AAQM		24Hrs.	V V	WAQM	8 Hrs.		24 Hrs.	
Instrument used	RDS		V		FDS	Silver-1-swite	V		
	ID No.		PAPL/LA	AB/092 ID		0.	PAPL/LAB/016		
	Calibration Du	ibration Due Date 01/03/2024 Calibration of		ration due Date	31/08/2024				
Date of Sampling	1/2	23/01/20	24	S	Sample Ref. No. 1122G/A-463G/01-24				
Location of sampling		Near Sug	ar Main G	ate					
Sample Collected By		Padmaja	Aerobiolo	gicals F	vt. Ltd.				
POLLUTION PARAMET	TERS								
Parameter	014111111111111111111111111111111111111	Result	Limit	U	nit	Method			
Particulate Matter (PM _{2.5})		33.0	60	рд	/m³	Gravimetric method (CPCB guidelines 2012, NAAQS Volume -		ıme -I)	
Particulate Matter (PM ₁₀) 65.		65.0	100	μο	/m³	IS 5182(Part-23):2006			
		7.4	80		/m³	IS 5182(Part-02):2001			
Nitrogen Dioxide(NO ₂) 9.8 80 μg/m³ IS 5182(Part-06):2006									
HC Methane (CH ₄)		0.6			pm	IS 5182(Part-21)			

Sampling Conditions	Rain	No	Construction site near by	No
	Wind	No	Vehicular Activity	Yes

Remark: Our NABL certificate validity has been extended from 31/12/2023 to 29/02/2024 as per NABL Assistant Director

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

Ref. No.: 1122I/A-463I/01-24

Report Date: 31/01/2024

Work Order No.: --

Name of the Industry:

Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305, (Tq) - Hukkeri,

Dist - Belgaum.

Date of Sampling: 23/01/2024

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

Test Method: IS-9989

Sr. No.	STATION	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
1	*Near Main Gate	47.6	40.3
2	*Near Sugar Plant	65.1	60.8
3	*Near Distillery Plant	61.9	58.5
4	*Near Compost Yard	53.7	41.3
5	*Near Guest House	43.8	39.6

Remark: Our NABL certificate validity has been extended from 31/12/2023 to 29/02/2024 as per NABL Assistant Director

* Limit As per Factories Act 1948 dB(A)- <90 dB(A) and

**CPCB guideline Day Time <75 dB(A) and Night Time <70

Instrument used: -Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/064

Calibration Due date: 22/10/2024

-- End of test report ----

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5068 Valid upto 31.12.2025

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A09/01-24	Report Date : 31 January 2024
Sample Ref No.	: 09A/EW-A09/01-24	Sampling plan / SOP : -
Name of Industry	: Vishwaraj Sugar Industri	ies Ltd.
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Sugar CPU Inlet & Sugar CPU Outlet Water Samples	Sample Collected by : SEC
	tion : 30 January 2024	Date of sample Collection: 23 January 2024
Sample Quantity &		Date of sample receipt : 24 January 2024

TEST RESULT

Sr. No.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
1	pH @ 25 °C	8.23	6.26	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	88	48	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	30	12	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	119	75	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	10	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	15	5	ıng/l	IS:3025 (P-32) 1980
7	Sulphate as SO ₄	8	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A10/01-24	Report Date : 31 January 2024			
Sample Ref No.	: 10A/EW-A10/01-24	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Industri	es Ltd.			
Address	: A/p. Bellad-Bagewadi - 59	- 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample	: Sugar ETP Untreated & Sugar ETP Treated Water Samples	Sample Collected by : SEC			
	etion : 30 January 2024	Date of sample Collection: 23 January 2024			
Sample Quantity & co		Date of sample receipt : 24 January 2024			

TEST RESULT

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Unit	Standards for Treated Sample	Test Method
1	Color		< 5	Hazen	5	IS:3025 (P-4) 1983
2	Odor		Agreeable	-	Agreeable	IS:3025 (P-5) 1983
3	pH @ 25 °C	8.27	8.01	æ	5.5-8.5	IS:3025 (P-11) 1983
4	Chemical Oxygen Demand	1893	44	mg/l	250	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	880	9	mg/l	100	IS:3025 (P-44) 1993
6	Total Dissolved Solids	2037	690	mg/l	2100	IS:3025(P-16)1984
7	Total Suspended Solids	312	51	mg/l	100	IS:3025 (P-17) 1984
8	Chloride as Cl	126	35	mg/l	600	IS:3025 (P-32) 1988
9	Sulphate as SO ₄	74	23	mg/l	1000	IS:3025 (P-24) 1986
10	Oil & Grease	10	ND	mg/l	10	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A13/12-23	Report Date : 26 December 2023	
Sample Ref No.	: 13A/EW-A13/12-23	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.	
Address	: A/p. Bellad-Bagewadi - :	591305, (Tq)- Hukkeri, (Dst)- Belgaum.	
Name of Sample	: Pressmud	Sample Collected by : SEC	
Date of test completion	: 25 December 2023	Date of sample Collection :22 December 20	23
Sample Quantity & conditio	n:1 Kg	Date of sample receipt :22 December 20	23

TEST RESULT

Sr. No.	Test Parameter	Result	
1	Moisture, percent by weight	29.41	
2	Particle Size	90% material passed through 4.0 mm IS sieve	
3	Bulk Density (g/cm³)	0.89	
4	Total Viable Count (N.P.K and Zn Bacteria) or (N and P Bacteria) or (N and K Bacteria)	14 X10 ⁸	
5	Total Organic Carbon, percent by weight	23.57	
6	Total Nitrogen (as N) percent by weight	1.63	
7	Total Phosphates (as P2O5) percent by weight	1.85	
8	Total Potash (as K ₂ O) percent by weight	3.09	
9	NPK Nutrients - Total of N, P2O5 and K2O Nutrient	6.57	
10	C:N ratio	14.46	
11	pH	7.57	
12	Conductivity (as dsm ⁻¹)	1.69	
14	Heavy metal content (as mg/kg)		
A	Arsenic (as As ₂ o ₃)	ND	
В	Cadmium (as Cd)	2.71	
C	Chromium (as Cr)	ND	
D	Copper (as Cu)	230	
E	Mercury (as Hg)	ND	
F	Nickel (as Ni)	ND	
G	Lead (as Pb)	2.3	
Н	Zinc (as Zn)	440	

Remark:

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Public Testing Laboratory

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A12/12-23	Report Date : 26 December 2023
Sample Ref No.	: 12A/EW-A12/12-23	Sampling plan / SOP : -
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.
Address	: A/p. Bellad-Bagewadi - :	591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Pressmud	Sample Collected by : SEC
Date of test completion	: 25 December 2023	Date of sample Collection :22 December 2023
Sample Quantity & conditio	n:1 Kg	Date of sample receipt :22 December 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit
1	Moisture	59.4	%
2	pH (Saturated) @ 25 °C	4.91	
3	Total Volatile Solids	90.81	%
4	Residual Ash	9.19	%
5	Nitrogen as N	1.62	%
6	Phosphorus as P2O5	1.23	%
7	Potassium as K	0.41	%
8	Organic Carbon	47.3	%

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A11/12-23	Report Date : 2	26 December 2023
Sample Ref No.	: 11A/EW-A11/12-23	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Industri	es Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)	- Belgaum.
Name of Sample	: Sugar ETP Untreated & Jugar ETP Treated Water Samples	Sample Collected by	: SEC
Date of test comple	tion : 25 December 2023	Date of sample Collection	on:22 December 2023
Sample Quantity & cor	idition: 1 lit	Date of sample receipt	:22 December 2023

TEST RESULT

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Standards for Treated Sample	Unit	Test Method
1	Color		< 5	5	Haze n	IS:3025 (P-4) 1983
2	Odor		Agreeabl e	Agreeable	-	IS:3025 (P-5) 1983
3	рН @ 25 °C	6.19	8.09	5.5-8.5	-	IS:3025 (P-11) 1983
4	Chemical Oxygen Demand	1887	103	250	mg/l	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	875	. 37	100	mg/l	IS:3025 (P-44) 1993
6	Total Dissolved Solids	2159	650	2100	mg/l	IS:3025(P-16)1984
7	Total Suspended Solids	438	49	100	mg/l	IS:3025 (P-17) 1984
8	Chloride as Cl	299	65	600	mg/l	IS:3025 (P-32) 1988
9	Sulphate as SO ₄	185	33	1000	mg/l	IS:3025 (P-24) 1986
10	Oil & Grease	10	ND	10	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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CIN: U73100MH1995PTC092502 NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A10/12-23	Report Date :	26 December 2023
Sample Ref No.	: 10A/EW-A10/12-23	Sampling plan / SOP :	•
Name of Industry	: Vishwaraj Sugar Industri	es Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)	- Belgaum.
Name of Sample	: Sugar CPU Inlet & Sugar CPU Outlet Water Samples	Sample Collected by	: SEC
Date of test comple	tion : 25 December 2023	Date of sample Collecti	on:22 December 2023
Sample Quantity & co	ndition : 1 lit	Date of sample receipt	:22 December 2023

TEST RESULT

Sr. No.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
1	pH @ 25 °C	8.30	6.58	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	163	90	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	70	29	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	105	81	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	10	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	15	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	10	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A9/12-23	Report Date :	26 December 2023
Sample Ref No.	: 09A/EW-A9/12-23	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Industri	es Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)	- Belgaum.
Name of Sample	: Distillery CPU Inlet &	Sample Collected by	: SEC
	lery CPU Outlet Water Samples on: 25 December 2023	Date of sample Collection	on :22 December 2023
Sample Quantity & condi			

TEST RESULT

Sr. No.	Test Parameter	Distillery CPU Inlet	Distillery CPU Outlet	Unit	Test Method
1	рН @ 25 °C	7.69	8.12	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	1935	53	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	809	8	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	256	90	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	42	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	55	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	23	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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CIN: U73100MH1995PTC092502 NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A8/12-23	Report Date : 20	6 December 2023
Sample Ref No.	: 08A/EW-A8/12-23	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	01305, (Tq)- Hukkeri, (Dst)-	Belgaum.
Name of Sample	: Digester Inlet & Digester Outlet Water Samples	Sample Collected by	: SEC
Date of test completion	: 25 December 2023	Date of sample Collection	n:22 December 2023
Sample Quantity & conditio	n : 1 lit	Date of sample receipt	:22 December 2023

TEST RESULT

Sr. No.	Test Parameter	Digester Inlet	Digester Outlet	Unit	Test Method
1	pH @ 25 °C	4.35	7.97	978	IS:3025 (P-11) 1983
2	Alkalinity		6054	mg/l	IS:3025 (P-23) 1986
3	Volatile Acids		3129	mg/l	APHA 22 nd Edition-2012, 5560 C
4	Chemical Oxygen Demand	1,05,882	34,832	mg/l	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	49,647	5370	mg/l	IS:3025 (P-44) 1993
6	Total Solids	1,68,238	69,125	mg/l	APHA 22 nd Edition-2012, 2540 B
7	Total Volatile Solids	97,725	37,087	mg/l	APHA 22 nd Edition-2012, 2540-E, G
8	Fixed Dissolved Solids	70,513	32,038	mg/l	APHA 22 nd Edition-2012, 2540 C
9	Chlorides	7125	6031	mg/l	IS:3025 (P-32) 1988
10	Sulphates	6980	4176	mg/l	IS:3025 (P-24) 1986
11	Phosphate	2157	2630	mg/l	IS:3025 (P-31) 1988
12	Calcium	2184	1262	mg/l	IS:3025 (P-40) 1991
13	Magnesium	602	515	mg/l	IS:3025 (P-46) 1994
14	Sodium	870	944	mg/l	IS:3025 (P-45) 1993
15	Potassium	12,960	9780	mg/l	IS:3025 (P-45) 1993
16	Total Kjeldahl Nitrogen	5190	6150	mg/l	IS 3025 (Part-34)-1988 Reaff.2014

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-006

Ref. No.: 1023E/A-422E/12-23

Report Date: 26/12/2023

Work Order No.: --

Name of the Industry: M/s. Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305, (Tq) - Hukkeri,

Dist - Belgaum.

Date of Sampling: 21/12/2023

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

Test Method: IS-9989

Sr. No.	STATION	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
1	*Near Time Office	45.2	39.8
2	*Near Cane Yard	61.5	55.7
3	*Near Biogas Plant	64.7	60.2
4	*Near Sugar ETP Plant	61.9	58.1
5	*Near Factory Colony	42.6	36.5

Remark: -- * Limit As per Factories Act 1948 dB(A)- <90 dB(A) and **CPCB guideline Day Time <75 dB(A) and Night Time <70 dB(A)

Instrument used: -Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/064

Calibration Due date: - 22/10/2024.

Analyst

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Public Testing Laboratory

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Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Sample/Report Ref No.	PAPL/A-4	22D/12-23	Report	Date	26/1	12/2023				
Work Order No.										
Name of Customer	M/s. Vish	M/s. Vishwaraj Sugar Industries Ltd.								
Address	Bellad-Be	Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.								
MoEF Certificate No.	5.0.3744	S.O.3744(E) dated 17.10.2019 Valid up to 16/10/2024								
Type of sampling	AAQM		24Hrs.	V V	VAQM	8 Hrs.		24 Hrs.	**	
Instrument used	RDS		V	FDS			V			
	ID No.		PAPL/LA	AB/051	ID N	No.	PAPL/LAB/042			
	Calibration Due Date		20/04/2	2024	Calibration due		20/04/2024			
Date of Sampling		21/12/2023		S	Sample Ref. No. 1023D/A-422D/12-23					
Location of sampling		Near Distille	ry Main G	ate						
Sample Collected By		Padmaja Ae	robiologica	als Pvt.	Ltd.					
		POLLU	TION PAI	RAMET	ERS					
Parameter		Result	Limit	U	nit	Method				
Particulate Matter (PM _{2.5})		36.0	60	μд	/m³	Gravimetric method (CPCB guidelines 2012, NAAQS Volum I)		lume -		
Particulate Matter (PM ₁₀)		72.0	100	μд	/m³	IS 5182(Part-2	23):2006,	Reaffirme	d-2017	
Sulphur Dioxide (SO ₂)		10.7	80	μg	/m³	IS 5182(Part-0	2):2001,	Reaffirme	d-2017	
Nitrogen Dioxide (NO ₂)		13.2	80	μg	/m³	IS 5182(Part-0	06):2006,	Reaffirme	d-2017	
HC Methane (CH ₄)		0.6		р	pm	IS 5182(Part-2	21):2001			

Rain	No	Construction site near by	No
Wind	No	Vehicular Activity	Yes

Remark: --

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Sample/Report Ref No.	PAPL/A-422C/12-23 Report Date					/12/2023	l .				
Work Order No.											
Name of Customer	M/s. Vish	M/s. Vishwaraj Sugar Industries Ltd.									
Address	Bellad-Be	Bellad-Begewadi -591305, (Tq) - Hukkeri, Dist - Belgaum.									
MoEF Certificate No.	5.0.3744	S.O.3744(E) dated 17.10.2019 Valid up to 16/10/2024									
Type of sampling	AAQM	24Hrs. √ WAQ		WAQ	М	8 Hrs.		24 Hrs.			
	RDS		V	V		DS		√		-	
Instrument used	ID No.		PAPL/LA	AB/09	3 11	D No.	No.		PAPL/LAB/043		
	Calibratio	on Due Date	15/04/2	2024	С	alibration	ibration due Date		20/04/2024		
Date of Sampling 21/13			3		Sample Ref. No. 1023C/A-422C/12-23						
Location of sampling		Near Sugar	Main Gat	e			121				
Sample Collected By		Padmaja Ae	erobiologic	cals F	vt. Ltc	1.					
(Sales Sales		POLLU	TION PA	RAM	ETERS	5					
Parameter		Result	Limit	1	Unit	Meth	nod				
Particulate Matter (PM _{2.5})		31.0	60		µg/m³		Gravimetric method (CPCB guidelines 2012, NAAQS \		NAAQS Vol	ume –	
Particulate Matter (PM ₁₀)		64.0	100		ug/m³	-	82(Part-23)):2006,	Reaffirmed	1-2017	
Sulphur Dioxide (SO ₂)		7.3	-80		⊔g/m³	IS 51	82(Part-02)):2001,	Reaffirmed	1-2017	
Nitrogen Dioxide (NO₂)		9.5	80		ug/m³	IS 51	82(Part-06)):2006,	Reaffirmed	1-2017	
HC Methane (CH ₄)		0.5			ppm	IS 51	82(Part-21)):2001			

Dic We William College College	Rain	No	Construction site near by	No
Sampling Conditions	Wind	No	Vehicular Activity	Yes

Remark: --

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-005

ANALYSIS RE	PORT FOR STACK EMISSION		
Sample / Report Ref. No.	1023B/A-422B/12-23		
Work Order No.	**		
Report Date	26/12/2023		
Name of Industry Address:	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.		
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LT.		
Date of Sampling	21/12/2023		
PAR	TICULARS OF STACK		
Stack Attached to	Distillery Boiler (10 & 12 TPH)		
tack Diameter (Meter) 0.90			
Stack Height (Meter)	43.0		
Stack Temperature (°C)	135		
Stack Velocity of Flue Gases (m/s)	7.4		
Type of Fuel	Biogas		

POLLUTION PARAMETERS					
Parameter	Results	Limit	Unit	Method used	
Particulate Matter (PM)	29	100.0	mg/Nm ³	IS-11255 (Part 1) 1985 Reaffirmed-2019	
Sulphur Dioxide (SO ₂)	N.D.	N.S.	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009	
Nitrogen Oxides (NOx)	N.D.	. N.S.	mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012	
Carbon monoxide (CO)	N.D.	N.S.	mg/Nm ³	GC	
Non-Methane Hydrocarbons (NMHC)	N.D.	N.S.	mg/Nm ³	GC	

Remark: --

Instrument used: - Polltech make Model PEM - SMK 10B, ID. No. PAPL/LAB/076

Calibration Due date: - 20/04/2024.

N.D.: -Not Detected N.S.: - Not Specified

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-005

	IFICATE OF ANALYSIS PORT FOR STACK EMISSION	
Sample / Report Ref. No.	1023A/A-422A/12-23	
Work Order No.		
Report Date	26/12/2023	
Name of Industry Address:	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.	
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LT	
Date of Sampling	21/12/2023	
PAR	TICULARS OF STACK	
Stack Attached to	Sugar Boiler (70 & 80 TPH)	
Stack Diameter (Meter)		
Stack Height (Meter)	73.0	
Stack Temperature (°C)	121	
Stack Velocity of Flue Gases (m/s)	9.5	
Type of Fuel	Bagasse	

POLLUTION PARAMETERS					
Parameter	Results	Limit	Unit	Method used	
Particulate Matter (PM)	68	100.0	mg/Nm ³	IS-11255 (Part 1) 1985 Reaffirmed-2019	
Sulphur Dioxide (SO ₂)	N.D.	N.S.	mg/Nm³	IS-11255 (Part 2): 1985 Reaffirmed 2009	
Nitrogen Oxides (NOx)	N.D.	N.S.	mg/Nm³	IS-11255 (Part 7): 2005 Reaffirmed 2012	
Carbon monoxide (CO)	N.D.	N.S.	mg/Nm ³	GC	
Non-Methane Hydrocarbons (NMHC)	N.D.	N.S.	mg/Nm³	GC	

Remark: --

Instrument used: - Polltech make Model PEM - SMK 10B, ID, No. PAPL/LAB/076

Calibration Due date: - 20/04/2024.

N.D.: -Not Detected N.S.: - Not Specified

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---- End of test report ----





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ISO 9001 2015 ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502 NABL Accreditation Certificate No. TC-5088 Velid upto 31 12,702

PAPL/FRM/064

TEST REPORT

		December 2023		
PAPL/EW-A8/12-23	Report Date : 26 December 2023 Sampling plan / SOP : -			
08A/EW-A8/12-23				
Vishwaraj Sugar Industri	1305 (To)- Hukkeri (Dst)- E	Belgaum.		
A/p. Bellad-Bagewadi - 39	591303, (1q)-11dkkein (257)			
Digester Inlet & Digester Outlet Water Samples		: SEC		
25 December 2023	Date of sample Collection	:22 December 2023		
Date of test completion : 25 December 2023 Sample Quantity & condition : 1 lit		:22 December 2023		
	A/p. Bellad-Bagewadi – 59 Digester Inlet & Digester Outlet Water Samples 25 December 2023	Vishwaraj Sugar Industries Ltd. A/p. Bellad-Bagewadi – 591305, (Tq)- Hukkeri, (Dst)- E Digester Inlet & Digester Outlet Water Samples 25 December 2023 Date of sample Collection Date of sample receipt		

TEST RESULT

Sr.	Test Parameter	Digester Inlet	Digester Outlet	Unit	Test Method
No.	11 @ 25 %	4,35	7.97		1S:3025 (P-11) 1983
1	pH @ 25 °C		6054	mg/l	1S:3025 (P-23) 1986
2	Alkalinity	-	3129	mg/l	APHA 22 nd Edition-2012, 5560 C
3	Volatile Acids	1.06.003	34,832	mg/l	IS:3025 (P-58) 2006
4	Chemical Oxygen Demand	1,05,882		mg/l	IS:3025 (P-44) 1993
5	B.O.D. (3 days at 27°C)	49,647	5370	mg/l	APHA 22 rd Edition-2012, 2540 B
6	Total Solids	1,68,238	69,125	to tree to the second	APHA 22 nd Edition-2012, 2540-E, G
7	Total Volatile Solids	97,725	37,087	mg/l	APHA 22 Edition-2012, 2540 C
8	Fixed Dissolved Solids	70,513	32,038	mg/l	IS:3025 (P-32) 1988
9	Chlorides	7125	6031	mg/l	18:3025 (P-32) 1986
10	Sulphates	6980	4176	mg/l	IS:3025 (P-24) 1986
-	The second secon	2157	2630	mg/l	IS:3025 (P-31) 1988
11	Phosphate	2184	1262	mg/l	IS:3025 (P-40) 1991
12	Calcium	602	515	mg/l	IS:3025 (P-46) 1994
13	Magnesium	The second secon	944	mg/l	IS:3025 (P-45) 1993
14	Sodium	870	9780	mg/l	IS:3025 (P-45) 1993
15	Potassium	12,960	The second second	The second second second	IS 3025 (Part-34)-1988 Reaff.201-
16	Total Kjeldahl Nitrogen	5190	6150	mg/l	10 3023 (1 arc 3 1) 1303 144

Remark:

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GIN: U73100MH1995PTC092502

NABL Accreditation Continuate No. TC-5088 Valid upto 31 12 2023

PAPL/FRM/064

TEST REPORT

		Report Date : 26 December 2023
Report No.	: PAPL/EW-A9/12-23	Ite port Date
Sample Ref No.	: 09A/EW-A9/12-23	Sampling plan / SOP : -
Name of Industry	TO I Come Industrie	es Ltd. 1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Address	: A/p. Bellad-Bagewadi – 39	
Name of Sample	: Distillery CPU Inlet & lery CPU Outlet Water Samples	Sample Collected by : SEC
		Date of sample Concetion .22 December
Date of test completion	on: 25 December 2023	Date of sample receipt :22 December 2023
Sample Quantity & cond	mon: 1 m	The second secon

TEST RESULT

Sr. No.	Test Parameter	Distillery CPU Inlet	Distillery CPU Outlet	Unit	Test Method
1	pH @ 25 °C	7.69	8.12		IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	1935	53	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	809	8	mg/l	1S:3025 (P-44) 1993
4	Total Dissolved Solids	256	90	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	42	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	55	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	23	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

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PAPL/FRM/064

TEST REPORT

		2/	December 2023
	: PAPL/EW-A10/12-23	ICCIPAL DATE	
Report No.	: PAPL/15/1/10/12/23	Sampling plan / SOP : -	
Sample Ref No.	: 10A/EW-A10/12-23	1 1 td	
Name of Industry	: Vishwaraj Sugar Industr : A/p. Bellad-Bagewadi – 50	1305 (Ta)- Hukkeri, (Dst)-	Belgaum.
Address	: A/p. Bellad-Bagewadi = 3	71303.(14)	: SEC
ec. cole	: Sugar CPU Inlet &	Sample Collected by	
	Sugar CPU Outlet Water Samples	Date of sample Collection	n:22 December 2023
Date of test compl	etion : 25 December 2023	Date of sample receipt	:22 December 2023
Sample Quantity & co	ondition: 1 lil		

TEST RESULT

Sr.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
No.	pH @ 25 °C	8.30	6.58	-	IS:3025 (P-11) 1983
	Chemical Oxygen Demand	163	90	mg/l	IS:3025 (P-58) 2006
2		70	29	mg/l	IS:3025 (P-44) 1993
3	B.O.D. (3 days at 27°C)	105	81	mg/l	IS:3025(P-16)1984
4	Total Dissolved Solids		ND	102/1	IS:3025 (P-17) 1984
5	Total Suspended Solids	10	5	mg/l	IS:3025 (P-32) 1988
6	Chloride as Cl	15			IS:3025 (P-24) 1986
7	Sulphate as SO ₄	10	ND	mg/l	IS:3025 (P-39) 1991
8	Oil & Grease	ND	ND	mg/l	(RA 2003)

Remark:

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Recognised by Ministry of Environment Forest & Climate Change (MoEFC)

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NABL Accreditation Certificate No. TC-5088 Valid upto 31 12 2023.

PAPL/FRM/064

TEST REPORT

		2	5 December 2023
	: PAPL/EW-A11/12-23		
Report No.	: 11A/EW-A11/12-23	Sampling plan / SOP : -	
Sample Ref No.		on I td	
Name of Industry	: Vishwaraj Sugar Industri : A/p. Bellad-Bagewadi – 59	1305 (Ta)- Hukkeri, (Ost)-	Belgaum.
Address	: A/p. Bellad-Bagewadi - 39	1303, (14)	: SEC
ri cc.mala	: Sugar ETP Untreated &	Sample Collected by	
Su	gar ETP Treated Water Samples	Date of sample Collection	n:22 December 2023
Date of test completi	on : 25 December 2023	Date of sample receipt	:22 December 2023
Sample Quantity & cond	lition: 1 lit	Date of sample receipt	

TEST RESULT

Test Parameter	Sugar ETP	Sugar ETP Treated	Standards for Treated Sample	Unit	Test Method
Color		< 5	5	Haze	IS:3025 (P-4) 1983
		Agreeabl	Agreeable		IS:3025 (P-5) 1983
	6.19	8.09	5.5-8.5	-	IS:3025 (P-11) 1983
		103	250	mg/l	IS:3025 (P-58) 2006
			100	mg/l	IS:3025 (P-44) 1993
			2100	mg/l	IS:3025(P-16)1984
	-	-	100	mg/l	IS:3025 (P-17) 1984
		-	600	mg/l	IS:3025 (P-32) 1988
	-	-	1000	mg/l	1S:3025 (P-24) 1986
		ND	10	-	1S:3025 (P-39)
	Color Odor pH @ 25 °C Chemical Oxygen Demand B.O.D. (3 days at 27°C) Total Dissolved Solids Total Suspended Solids Chloride as Cl ⁻ Sulphate as SO ₄	Test Parameter ETP Untreated Color Odor pH @ 25 °C 6.19 Chemical Oxygen Demand 1887 B.O.D. (3 days at 27°C) 875 Total Dissolved Solids 2159 Total Suspended Solids 438 Chloride as Cl ⁻ 299 Sulphate as SO ₄ 185	Test Parameter ETP Untreated ETP Treated Color - < 5	Test Parameter ETP Untreated ETP Treated for Treated Sample Color - < 5	Test Parameter ETP Untreated ETP Treated for Treated Sample Unit Color - < 5

Remark:

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PAPL/FRM/064

TEST REPORT

		Report Date : 26 December 2023
Keportroi	: PAPL/EW-A12/12-23	Sampling plan / SOP : -
Sample Ref No.	: 12A/EW-A12/12-23	trine I td
Name of Industry	: Vishwaraj Sugar Indus	591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Address		Sample Collected by : SEC
Name of Sample	: Pressmud	Date of sample Collection :22 December 2023
Date of test completion	: 25 December 2023	Date of sample receipt :22 December 2023
Sample Quantity & conditio	n:1 Kg	Date of June 1

TEST RESULT

	IESI R	ESULT		
Sr. No.	Test Parameter	Result	Unit	
31.110.		59.4	%	
1	Moisture		-	
2	pH (Saturated) @ 25 °C	4.91	0/	
-	Total Volatile Solids	90.81	%	
3		9.19	%	
4	Residual Ash		%	
5	Nitrogen as N	1.62	%	
	Phosphorus as P2O5	1.23		
6		0.41	%	
7	Potassium as K		%	
8	Organic Carbon	47.3	70	

Remark:

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- End of test report----

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CIN : U73100MH1995PTC092502
NABL Accreditation Curtificate No. TC-5088 Valid upte 31 12:2023

PAPL/FRM/064

TEST REPORT

	7 - DI (771) A 12/12 22	Report Date : 26 December 2023
Treport 1	: PAPL/EW-A13/12-23	Sampling plan / SOP : -
Sample Ref No.	: 13A/EW-A13/12-23	
The state of the s	: Vishwaraj Sugar Indus	tries Ltd.
Address		591305, (Tq)- Hukkeri, (Dst)- Belgaum. Sample Collected by : SEC
Name of Sample	: Pressmud	Date of sample Collection :22 December 2023
Date of test completion	: 25 December 2023	Date of sample receipt :22 December 2023
Sample Quantity & condition	n:1 Kg	Date of sample receipt :22 December 2023

TEST RESULT

Sr.	Test Parameter	Result
No.	Market margant by weight	29.41
1	Moisture, percent by weight	90% material passed through 4.0 mm IS sieve
2	Particle Size	0.89
3	Bulk Density (g/cm³)	
4	Total Viable Count (N.P.K and Zn Bacteria) or (N and P Bacteria) or (N and K Bacteria)	14 X10 ⁸
5	Total Organic Carbon, percent by weight	23.57
6	Total Nitrogen (as N) percent by weight	1.63
	Total Phosphates (as P ₂ O ₅) percent by weight	1.85
7	Total Phosphates (as 1203) percent by weight	3.09
8	Total Potash (as K ₂ O) percent by weight	6.57
9	NPK Nutrients - Total of N, P ₂ O ₅ and K ₂ O Nutrient	14.46
10	C:N ratio	7.57
11	pH	1.69
12	Conductivity (as dsm ⁻¹)	1.07
14	Heavy metal content (as mg/kg)	ND
A	Arsenic (as As ₂ o ₃)	2.71
В	Cadmium (as Cd)	ND
C	Chromium (as Cr)	
D		230
E		ND ND
F		ND
G	A STATE OF THE STA	2.3
H	and the state of t	440

Remark:

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193:9001 2015 150:45001.2018 Certified
CIN UT3100MH1596PTC992502
NASL Accression Certificate No. TC-5036 - Valid Long 31:12:2031

AIR-F-005

1	PORT FOR STACK EMISSION
Sample / Report Ref. No.	1023A/A-422A/12-23
Work Order No.	
Report Date	26/12/2023
Name of Industry	M/s. Vishwaraj Sugar Industries Ltd.
Address:	Bellad-Begewadi -591305, (Tq) - Hukkeri.
	Dist - Belgaum.
Sample Collected by	PADMAJA AFROBIOLOGICALS PVT. LTD.
Date of Sampling	21/12/2023
PAR	TICULARS OF STACK
Stack Attached to	Sugar Boiler (70 & 80 TPH)
Stack Diameter (Meter)	3,63
Stack Height (Meter)	73.0
Stack Temperature (CC)	121
Stack Velocity of Fluc Gases (m/s)	9.5
Type of Fuel	Bagasse

	POLLUT	ION PARAM	ETERS	
Parameter	Results	Limit	Unit	Method used
Particulate Matter (PM)	68	100.0	mg ≥m¹	18-11255 (Part 1) 1985 Reaffirmed-2019
Sulphur Dioxide (SO ₂)	N.D.	N.S.	mg/Nm°	15-11255 (Part 2). 1985 Reaffirmed 2009
Nitrogen Oxides (NOx)	N.D.	N.S.	mg/Nm ³	18-11255 (Part 7): 2005 Reaffirmed 2012
Carbon monoxide (CO)	N.D.	N.S	mg ≥m	GC
Non-Methane Hydrocarbons (NMHC)	N.D.	N.S.	mg/Nm ¹	CC

Remark: -

Instrument used: - Politech make Model PEM - SMK 10B, ID, No. PAPL LAB 076 Calibration Due date: - 20/04/2024.

N.D.: -Not Detected N.S.: - Not Specified

Analyst

p2-1-1-

Reviewed by

Nathorized Signatory



Public Testing Laboratini Resognants) Minst Sazeta Notical on No.

Forest & Cur. ate Change (N° EFCC).

upto 15:10 2024 SC 9001 2015, IS. N.U1.2018 Certified CIN. U75103MH1995P3C092502

NABL Accreditation Self-floate No. TC-5088 (vaid uplo 31 12 202)

AIR-F-005

CERTIFICATE OF ANALYSIS ANALYSIS REPORT FOR STACK EMISSION

Sample / Report Ref. No.	1023B/A-422B/12-23			
Work Order No.				
Report Date	26/12/2023			
Name of Industry Address:	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (1q) Hukkeri. Dist - Belgaum.			
Sample Collected by	PADMAJA ALROBIOLOGICALS PVT. LTD.			
Date of Sampling	21/12/2023			
	PARTICULARS OF STACK			
Stack Attached to	Distillery Boiler (10 & 12 TPH)			
Stack Diameter (Meter)	0.90			
Stack Height (Meter)	43.0			
Stack Temperature (°C)	135			

7.4

Biogas

	POLLUTIO	ON PARAMI	ETERS	
Parameter	Results	Limit	Unit	Method used
Particulate Matter (PM)	29	100.9	mg Nm	IS-11255 (Part 1) 1985 Reaffirmed-2019
Sulphur Dioxide (SO ₂)	N.D.	N.S.	mg Nm	18-11255 (Part 2): 1985 Reaffirmed 2009
Nitrogen Oxides (NOx)	N.D.	N.S.	mg/Nm1	1S-11255 (Part 7): 2005 Reaffirmed 2012
Carbon monoxide (CO)	N.D.	V.5.	mg/Nm	GC.
Non-Methane Hydrocarbons (NMHC)	N.D.	N.S.	mg/Nm ³	GC

Remark: --

Type of Fuel

Instrument used: - Polltech make Model PEM - SMK 10B, ID, No. PAPL/LAB/076 Calibration Due date: - 20/04/2024.

N.D.: -Not Detected N.S.: - Not Specified

Stack Velocity of Flue Gases (m/s)

Analyst

MLI Reviewed by

pach.il Authorized Signatory





Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC) NABL Accreditation

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Sample/Report Ref No.	PAPL/A-422C/12-23	Report	Date	26/12/20	123		
Work Order No.	4-0						
Name of Customer	M/s. Vishwaraj Sugar	M/s. Vishwaraj Sugar Industries Ltd.					
Address	Bellad-Begewadi -59	1305, (Tq)	Huicke	n, Dist -	Belgaum.		
MoEF Certificate No.	5 (13744(E) dated 1	7 10 2019	Valid t	ip to 16	710/2024		
Type of sampling	AAQM	24Hrs.	V W	AQM	Bittrs.	24 Hrs	
- personal and a service of the serv	RDS	V		FDS		v.	
Instrument used	ID No.	PAPL/L	AB/093	ID No.		PAPL/LAB/043	
	Calibration Due Date	15/04/3	2024	Calibrat	ion due Date	20/04/2024	
Date of Sampling	21/12/20:	23	Sa	mple Re	. No. 1023	/A-422C/12-23	
Location of sampling	Near Suga	ar Main Gat	è				
Sample Collected By	Padmaja .	Aerobiologi	cals Pvt	Ltd.			
	POLL	UTION PA	RAMET	ERS			
Parameter	Result	Limit	Un	it M	ethod		
Particulate Matter (PM _{2.5})	31.0	60	µg/		avimetric met PCB guideline	hod s 2012, NAAQS Volume -	
Particulate Matter (PM ₁₀)	64.0	100	µg/	m 15	5182(Part-23) 2006, Reaffirmed-2017	
Sulphur Dioxide (SO ₂)	7.3	80	129/	m) 15	5182[Part-02):2001, Reaffirmed-2017	
Nitrogen Dioxide (NO ₂)	9.5	80	pg/	rn ³ 15	5182(Part-06):2006, Reaffirmed-2017	
HC Methane (CH ₄)	0.5		pp	m is	5182: Part-21):2001	

	Rain	No	Construction site near by	No
Sampling Conditions	Wind	No	Vehicular Activity	Yes

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بالمساعمع **Authorized Signatory**





Purello Testing Lasonatory
Recognised by Ministry of Environment Forest & Climate Change (MoEFCC Guertin Notification No. S.0.3744(E) Valid upto: 16.10.2024
Sign 9051 2015 Sign 45001 2018 Certified
CIN 973105MH1936F7C092502
HABL Accretionators Certificate No. 7G-5086 Salad upto 31.12.2003

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Sample/Report Ref No.	PAPL/A-4	122D/12-23	Report	t Date	26/12/	2023			
Work Order No.	1.2								
Name of Customer	M/s. Vish	waraj Sugar I	ndustries	Ltd.	-				
Address	Bellad-Be	egewadi -5913	05. (Tq) -	Hukket	n, Dist -	Bergaum			
MoEF Certificate No.	5.0 3744	5.0 3744(F) dated 17.10.2019 Valid up to 16/10/2024							
Type of sampling	AAQM		24Hrs.	V W	MOA	8 Hrs.		24 Hrs	
Instrument used	RDS		v	-	FDS		V		
Instrument used	ID No.		PAPL/L/	46/051	ID No		PAPL/L	AB/042	
	Calibratio	in Due Date	20/04/	2024		ation due	20/04/	2024	
Date of Sampling		21/12/2023	+	Sa	mple R	ef. No. 1023	D/A-4220	0/12-23	
Location of sampling		Near Distille	ry Main Go	ate					
Sample Collected By		Padmaja Aer	obiologica	is Pvt. I	.id.				
		POLLUT	TION PAR	RAMETE	RS				
Parameter		Result	Limit	Un	it t	Method			
Particulate Matter (PM, +)		36.0	60	µg/		Gravimetric me CPCB guideline		ov EQAAN	lume -
Particulate Matter (PM ₁₀)		72.0	160	իը/	m I	s 5182(Part-2	3):2006,	Reaffirmed	1-2017
Sulphur Dioxide (50 ₂)		10.7	80	1197	m I	5 5182(Part-0.	2):2001,	Reaffirmed	1-2017
Nitrogen Dioxide (NO ₂)		13.2	80	pg/	m ⁷ 1	5 5182(Part-0	6):2006,	Reaffirmed	1-2017
HC Methane (CH ₄)		0.6	3.5	pp	m į	S 5182(Part-2	1):2001		

According to the control of	Rain	No	Construction site near by	No
Sampling Conditions	Wind	No	Vehicular Activity	Yes

Remark: --

Note: This test report may not be produced in part or full, without the permission of this laboratory.

Analyst

Reviewed by

Authorized Signatory



Public Tinking Laboratory

Recomment by Minnthy of Environment Forast & Compte Change (MoEFCC) Gazette Notification No. S.D.3744(E) Valid upto: 16.16.2024

ISC 9001 2015 ISC 45001-2018 Certified CN U72100MH1995PTC092502

NASL Accreditation Certificate No. TC-5088 - valid valid 31 12:2023

A1R-F-006

Ref. No.: 10231 A-422F/12-23

Report Date: 26/12/2023

Work Order No. : --

Name of the Industry: M/s, Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305, (Tq) - Hukkeri,

Dist - Belgaum.

Date of Sampling: 21/12/2023

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

Test Method: 18-9989

Sr. No.	STATION	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
1	*Near Time Office	45.2	39.8
2	*Near Cane Yard	61.5	55.7
3	*Near Biogas Plant	64.7	60.2
4	*Near Sugar ETP Plant	61.9	58.1
5	*Near Lactory Colony	42.6	36.5

Remark: -- * Limit As per Factories Act 1948 dB(A)- <90 dB(A) and **CPCB guideline Day Time <75 dB(A) and Night Time <70 dB(A)

Instrument used: -Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/064

Calibration Due date: - 22/10/2024.

Analyst

Reviewed by

الحرات متر Authorized Signatory





Recognised by fat trans of Environment Fores: A Complex Change (MoEFCC) concess Not for environment of 2744 E. And 265 of 102024 SSC 9061 2015 SO 45001 2018 Certified City UT31001MH 1995PT C092 502 NABI Accreptation Confiscite No. 10:5088 Valid Loto 3112 2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A4/11-23	Report Date : 18.11.2023			
Sample Ref No.	: 04A/EW-A4/11-23	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Industries Ltd.				
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.				
Name of Sample	: Sugar CPU Inlet & Outlet	Sample Collected by : SEC			
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023			
Sample Quantity & conditi	on: lit	Date of sample receipt : 09 Nov 2023			

TEST RESULT

Sr. No.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
1	рН @ 25 °C	7.97	7.58		IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	90	52	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	24	10	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	116	84	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	14	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	29	- 15	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	15	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ANALYSED BY

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Abbreviations:-



Public Testing Laboratory
Recognised by Vinstry of Environment Forest & Climate Chango (MoEFCC)
Season No. 10. 10. 10. 10. 10. 10. 2004
SEC 46.01 10.10 10. 201 45.0 10. 2018 | Continue

PAPL/FRM/064

TEST REPORT

: PAPL/EW-A3/11-23	Report Date : 18.11.2023		
	Sampling plan / SOP : -		
. Vichwarai Sugar Ind	ustries Ltd.		
: A/p. Bellad-Bagewadi – 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
: Distillery CPU Inlet	Sample Collected by : SEC		
	Date of sample Collection: 08 Nov 2023		
ion : 1 lit	Date of sample receipt : 09 Nov 2023		
	: A/p. Bellad-Bagewadi		

TEST RESULT

Sr. No.	Test Parameter	Distillery CPU Inlet	Distillery CPU Outlet	Unit	Test Method
1	pH @ 25 °C	7.88	8.07	.a	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	1763	41	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	706	7	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	241	85	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	39	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	41	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	16	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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This test report refers only to the sample submitted for the testing.

ANALYSED BY Abbreviations:-

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PARMAUN AFRORIOLOGICALS PVT LTD

SIC 9001 2015, ISO 4507 1 2018 | Camilled Cir. U73102MH194501 C092502 NABL Accresitation Configure No. 1C 5058 | Nata upto 21 12 2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A2/11-23	Report Date : 18.11.2023		
Sample Ref No.	: 02A/EW-A2/11-23	Sampling plan / SOP : -		
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.		
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample	: Digester Inlet & Outlet	Sample Collected by : SEC		
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023		
Sample Quantity & conditio	n: 1 lit	Date of sample receipt : 09 Nov 2023		

TEST RESULT

Sr. No.	Test Parameter	Digester Inlet	Digester Outlet	Unit	Test Method
1	pH @ 25 °C	4.03	8.21	-	IS:3025 (P-11) 1983
2	Alkalinity).e-	6935	mg/l	IS:3025 (P-23) 1986
3	Volatile Acids		3304	mg/l	APHA 22 nd Edition-2012, 5560 C
4	Chemical Oxygen Demand	1,16,348	38,392	mg/l	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	54,563	5614	mg/l	IS:3025 (P-44) 1993
6	Total Solids	1,74,195	72,205	mg/l	APHA 22 nd Edition-2012, 2540 B
7	Total Volatile Solids	94,393	37,792	mg/l	APHA 22 nd Edition-2012, 2540-E, G
8	Fixed Dissolved Solids	79,802	34,413	mg/l	APHA 22 nd Edition-2012, 2540 C
9	Chlorides	7836	6760	mg/l	IS:3025 (P-32) 1988
10	Sulphates	7398	4372	mg/l	IS:3025 (P-24) 1986
11	Phosphate	2709	2814	mg/l	IS:3025 (P-31) 1988
12	Calcium	2234	1488	mg/l	IS:3025 (P-40) 1991
13	Magnesium	658	579	mg/l	IS:3025 (P-46) 1994
14	Sodium	990	967	mg/l	IS:3025 (P-45) 1993
15	Potassium	15,810	12,350	mg/l	IS:3025 (P-45) 1993
16	Total Kjeldahl Nitrogen	5630	6458	mg/l	IS 3025 (Part-34)-1988 Reaff.2014

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory, This test report refers only to the sample submitted for the testing.

ANALYSED BY

34. REVIEWD BY

AUTHORIZED SIGNATORY

Abbreviations:-



PADMAJA AEROBKILOGICALS

Recognised to Ministral Fig. 11. The Compile's Compile Unange Will FCC.

Sazette fatilisación (5.0 x 440E), della upto (5.10.2004)

colors on strength 519 Confine

AIR-F-006

Ref. No.: 45612 A-13512 11-23

Work Order No : -

Name of the Industry: Mrs. Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305. (Tq) Hukkeri.

Dist Belgaum.

Date of Sampling, 08/11/2023

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

st Meth	od: 18-9989 <u>STATION</u>	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
4	*Near General Office	1.1 -1	34) 7
2	*Near Weigh Bridge	62.7	56.4
3	*Neur Cane Cutter	66.5	59.8
4	*Near Mill House	67.8	64.2
5	*Near Boiler House	69.4	£,66.

Remark: - " Limit As per Factories Act 1948 dB(A)- <90 dB(A) and **CPCB guideline Day Time < 75 dB(A) and Night Time < 70 dB(A)

Instrument used: -Kusam-Meco KM 929 MK1 St. No. PAPL LAB 064

Calibration Due date: 07/09/2023

Analyst

BRILL Authorized Signatory



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AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-135B/1	2 2 3	Report Date	+.0,,-	/2023		
Work Order No.			2 4 777				
Name of Customer	M's. Vishwara						
Address	Bellad-Boses	uli 3013	os (La) Hul	Jeer D	isi Belgaum		
MoEF Certificate No.	14.0 2746 5.4	and 17.4		d up to	16/10/2024 8 Hrs.	24 Hrs	
Type of sampling	AAQM		24Hrs IV I	FDS		V	
	ID No.		PAPL/LAB/09	91 ID No.		PAPL/LAB/042	
Instrument used		Calibration Due Date		Cal	bration due Date	20/04/2024	
Date of Sampling	Callingary	08/11/20		Sample	Ref. No. 456B/A	+135B/11-23	
Location of sampling		Near Sug	jar Main Gate	Der Ver			
Sample Collected By	TEDS	Paul ajo	Aeropiologicals	Eve and			
POLLUTION PARAME	TERS	Result	Limit	Unit	Method	W. 1	
POLLUTION PARAME Parameter			Limit		Method Gravimetric method	2012, NAAQS Volume -I	
POLLUTION PARAME Parameter Particulate Matter (PM	=)	Result	60 100	Unit ig/m ¹	Method Gravimetric meti (CPCB guidelines	2012, NAAQS Volume -1 2006, Reaffirmed 2017	
POLLUTION PARAME Parameter Particulate Matter (PM- Particulate Matter (PM)	=)	29.0 61.0 7.0	60 100 80	Unit .ig/m ¹ .ig/m ¹ .ig/m ¹	Method Gravimetric metro (CPCB guidelines 15 5182(Part-23 15 5182(Part-02	2012, NAAQS Volume -I 2006, Reaffirmed 2017 2001, Reaffirmed 2017	
Particulate Matter (PM- Particulate Matter (PM- Particulate Matter (PM- Sulphur Dioxide (50.)	=)	29.0 61.0 7.0 9.0	60 100 80	Unit ug/m³ ug/m³ ug/m³	Method Gravimetric method (CPCB guidelines 15 5182(Part-23 15 5182(Part-02) 15 5182(Part-06)	5 2012, NAAQS Volume -1 5 2006, Reaffirmed - 2017 5 2001, Reaffirmed - 2017 6 2006, Reaffirmed -2017	
Particulate Matter (PM- Particulate Matter (PM- Particulate Matter (PM- Sulphur Dioxide (50.)	=)	29.0 61.0 7.0	60 100 80	Unit .ig/m ¹ .ig/m ¹ .ig/m ¹	Method Gravimetric metro (CPCB guidelines 15 5182(Part-23 15 5182(Part-02)	5 2012, NAAQS Volume -1 5 2006, Reaffirmed -2017 5 2001, Reaffirmed -2017 6 2006, Reaffirmed -2017	
Sample Collected By POLLUTION PARAME Parameter Particulate Matter (PM- Particulate Matter (PM- Sulphur Dioxide (SO,) Nitrogen Dioxide (NO) HC Met, lane (CHs)	=)	29.0 61.0 7.0 9.0 () 4	60 100 80 80	Unit ug/m ¹ ug/m ¹ ug/m ¹ eg/m ¹	Method Gravimetric method (CPCB guidelines 15 5182(Part-23 15 5182(Part-02) 15 5182(Part-06)	5 2012, NAAQS Volume -1 5 2006, Reaffirmed -2017 5 2001, Reaffirmed -2017 6 2006, Reaffirmed -2017	

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HILL-L



PAOMA IA AEROBIDIJOSICALS PVT LTD. NABL Attringation Certhode No. TC-5088 (sed upo 21 12 200)

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL A 1350/1	1-23	керого	Date 1801							
Work Order No.				CALLED TO							
Name of Customer	Ma Visiovari	M.s. Vishwaraj Sugar Industries Ltd.									
Address	Bellial-Begew	adi -5013	05.179	– Hukkeri, D	ist - Belgaum.						
MoEF Certificate No.				Valid up to	16/10/2024	24 Hrs					
Type of sampling	AAQM		231Hm	WAQM	3 1115	24 1915					
Type or sompring	305			FDS		neor wo ma					
Instrument used	ID No.		PAPLIC	AB 093 D		PAPL/LAB/C43					
211561 5111511	Calibration Due	e Date	15/04/	2024 Call	protion due Date	20/04/2024					
Date of Sampling		08/11/2023 Sample Ref. No. 456C/A-135C/11-23									
Location of sampling		Near Dist	illery Ma	in Gate							
Sample Collected By		Padmaja	Aerobiol	ogicals Pvt Ltd							
POLLUTION PARAME	TERS			44.14	Method						
Parameter		Result	Limit	Unit	Gravimetric met	ticiet					
Particulate Matter (PM	53	33	60	µg/m	CPCB guidelines	s 2012, NAAQS Volume - I					
Particulate Matter (PM)		68	100		15 5182(Part-23):2006,Realtirmed 2017					
Sulphur Dioxide (SO.)		10	82	µg/m	15 5182(Part-02):2001,Reaffirmed-2017					
Nitrogen Dioxide(NO.)		10	50	Mg/m	IS 518Z(Part-06): 2006,Reaffirmed-2017					
HC Methane (CH ₄)		0.6		2007	IS \$182(Part-21	1 2001					
	Ram		No	Construction	te near by	No					
Sampling Condi	electric Page 1			vehicular Aitio		Yes					

Note: This test report may not be produced in part or full, without the permission of this laboratory This test report refers only to the sample submitted for the testing

Analyst

BLL **Authorized Signatory**

End of test report ----



CEN UZBRODAH1996#10092501

NABL Accreditation Certificate No. TC-5989 - Veen upto 31 1/2/02/1

AIR-F-005

CERTIFICATE OF ANALASIS ANALYSIS REPORT FOR STACK I MISSION

Sample / Report Ref. No.	456A/A-135A/11-23
Work Order No.	
Report Date	18 11 2023
Name of Industry	M & Vishwarai Sugar Industries Ltd
Address	Hellad-Begewall -59/1305, (14) Hukkeri
tures.	Dist - Belgaum
Sample Collected by	PADMAJA AI ROBIOLOGICALS PVT. LTD.
	08/11/2023
Date of Sampling	

PARTICULARS OF STACK

Stack Attached to	Sugar Boiler (70 & 80 TPH)	Distillery Boiler (10 & 12 TPH)
Stack Diameter (Meter)	3.63	0.90
the state of the s	73.0	43.0
Stack Height (Meter)	115	132
Stack Temperature (°C)	9.3	7.3
Stack Velocity of Thie Gases (m/s)	256504	12544
Stack Volume of Line Cases (Nm ¹ hr) Type of Lucl	Bagasse	Biogas

POLLUTION PARAMETERS								
100000000000000000000000000000000000000	Sugar	Distillery	Limit	Unit	Method used			
Parameter Particulate Matter (PM)	(1)	32 .	100.0	me 5m3	IS-11255 (Part 1) 1985 Reattirmed-2019			
Sulfur Dioxide (SO ₂)	ND	ND		mg/Nm	1S-11255 (Part 2); 1985 Reaffirmed 2009			
Nitrogen Oxides (NOx)	ND	ND		mg/Nm ³	18-11255 (Part 7): 2005 Reaffirmed 2012			
Carbon monoxide (CO)	ND.	ND:		me Nm'	**			
Non-Methane Hydrocarbons (NMHC)	ND	ND		mg/Sm	44			

Remark: -

Instrument used: - Polltech make Model PEM - SMK 10B, ID, No. PAPL/LAB 076

Calibration Due date: - 20/04/2024.

NS Not Specified

813 Analyst Reviewed by

MILL Authorized Signatory



Public Testing Laboratory

Resignation, Ministry of Environment Forest & Climate Change (McEFCC)

17.17 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1

NAR ACCET CONTROL TO BEET TO SELECT TO 102

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A5/11-23	Report Date : 18.11.2023
Sample Ref No.	: 05A/EW-A5/11-23	Sampling plan / SOP : -
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.
Address	: A/p. Bellad-Bagewadi	 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Sugar ETP Untreated & Treated	Sample Collected by : SEC
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023
Sample Quantity & conditio	n: 1 lit	Date of sample receipt : 09 Nov 2023

TEST RESULT

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Unit	Standar ds for Treated Sample	Test Method
1	Color		< 5	Hazen	5	IS:3025 (P-4) 1983
2	Odor		Agreeable	•	Agreeab le	IS:3025 (P-5) 1983
3	pH @ 25 °C	5.54	7.41	100	5.5-8.5	IS:3025 (P-11) 1983
4	Chemical Oxygen Demand	2296	110	mg/l	250	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	1071	42	mg/l	100	IS:3025 (P-44) 1993
6	Total Dissolved Solids	2536	790	mg/l	2100	IS:3025(P-16)1984
7	Total Suspended Solids	490	53	mg/l	100	IS:3025 (P-17) 1984
8	Chloride as Cl	455	105	mg/l	600	IS:3025 (P-32) 1988
9	Sulphate as SO ₄	220	92	mg/l	1000	IS:3025 (P-24) 1986
10	Oil & Grease	10	ND.	mg/l	10	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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Abbreviations:-



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Gazette Notification No. S.O.3744(E) Velid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-005

ANALYSIS REPO	CATE OF ANALYSIS ORT FOR STACK EMISS	SION				
Sample / Report Ref. No.	456A/A-135A/11-23					
Work Order No.	-					
Report Date	18/11/2023					
Name of Industry Address:	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.					
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.					
Date of Sampling	08/11/2023					
PARTIC	CULARS OF STACK					
Stack Attached to	Sugar Boiler (70 & 80 TPH)	Distillery Boiler (10 & 12 TPH)				
Stack Diameter (Meter)	3.63	0.90				
Stack Height (Meter)	73.0	43.0				
Stack Temperature (°C)	115	132				
Stack Velocity of Flue Gases (m/s)	9.3	7.3				
Stack Volume of Flue Gases (Nm³/hr)	256504	12544				
Type of Fuel	Bagasse	Biogas				

POLLUTION PARAMETERS									
Parameter	Sugar	Distillery	Limit	Unit	Method used				
Particulate Matter (PM)	61	32	100.0	mg/Nm³	IS-11255 (Part 1) 1985 Reaffirmed-2019				
Sulfur Dioxide (SO ₂)	ND	ND	1922	mg/Nm³	IS-11255 (Part 2): 1985 Reaffirmed 2009				
Nitrogen Oxides (NOx)	ND	ND		mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012				
Carbon monoxide (CO)	ND	ND		mg/Nm ³					
Non-Methane Hydrocarbons (NMHC)	ND	ND	0 0	mg/Nm ³					

Remark: --

Instrument used: - Polltech make Model PEM - SMK 10B, ID. No. PAPL/LAB/076

Calibration Due date: - 20/04/2024.

NS:-Not Specified

Analyst

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NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-135B/	11-23	Report	Date	18/11	/2023				
Work Order No.										
Name of Customer	M/s. Vishwai	raj Sugar I	ndustries	Ltd.						
Address	Bellad-Begev	ellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.								
MoEF Certificate No.	S.O.3744(E)	dated 17.10	0.2019	Valid	d up to	16/10/2024		15.00	_	
	AAQM		24Hrs.	V	WAQM	8 Hrs.		24 Hrs.		
Type of sampling	RDS		V		FD9	5	V			
	ID No.		PAPL/LAB/091		ID		PAPL/LAB/042			
Instrument used	Calibration Due Date		23/01/2024		Cal	Calibration due Date		20/04/2024		
	Cambracion	08/11/2				Ref. No. 456B/A-135B/11-23				
Date of Sampling	-	Near Sugar Main Gate								
Location of sampling		Padmaja Aerobiologicals Pvt. Ltd.								
Sample Collected By	TEDE	- radinaja								
POLLUTION PARAME	IERS	Result	Limit		Unit	Method				
Parameter Particulate Matter (PM	2.5)	29.0	60	ц	g/m³	(CPCB guidelines	Gravimetric method (CPCB guidelines 2012, NAAQS Volume			
		61.0 100		ш	g/m³	IS 5182(Part-23):2006, Reaffirmed-2017			2017	
	Particulate Matter (PM ₁₀)		80		g/m³	IS 5182(Part-02	IS 5182(Part-02):2001,Reaffirmed-2017			
Sulphur Dioxide (SO ₂)		9.0	80	U	g/m³	IS 5182(Part-06):2006,	Reaffirmed-	2017	
Nitrogen Dioxide(NO ₂)		0.4			ppm	IS 5182(Part-21):2001			
HC Metiane (CH ₄)		0.4								

			No
Rain	No	Construction site near by	
	No	Vehicular Activity	Yes
	Rain	T-COLUMN TO THE PARTY OF THE PA	The state of the s

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AIR-F-002

TEST REPORT

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-135C	/11-23	Report	Date	18/1	1/2023			
Work Order No.									
Name of Customer	M/s. Vishwa	M/s. Vishwaraj Sugar Industries Ltd.							
Address	Bellad-Bege	Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.							
MoEF Certificate No.	S.O.3744(E)	S.O.3744(E) dated 17.10.2019 Valid up to 16/10/2024							
Type of sampling	AAQM		24Hrs.	√ V	VAQM	8 Hrs.		24 Hrs.	
Type or sampling	RDS		V		FD:	5	V	V	
Instrument used	ID No.		PAPL/LA	PAPL/LAB/093 ID		No.	PAPL/LAB/043		
	Calibration Due Date		15/04/2	024 Calibration due Date		20/04			
Date of Sampling	1 00	08/11/20		S	Sample Ref. No. 456C/A-135C/11-23				
Location of sampling		Near Dis	tillery Mair	Gate					
Sample Collected By		Padmaja	Aerobiolo	gicals P	vt. Ltd	j			
POLLUTION PARAMET	TERS								
Parameter		Result	Limit	U	nit	Method			
Particulate Matter (PM ₂			60	μд	/m³	Gravimetric method (CPCB guidelines 2012, NAAQS Volume		ıme -I)	
Particulate Matter (PM ₁₀)		68	100	μд	$/m^3$	IS 5182(Part-23	IS 5182(Part-23):2006,Reaffirmed-201		2017
Sulphur Dioxide (SO ₂)			80		/m ³	IS 5182(Part-02):2001,Reaffirmed-201		2017	
Nitrogen Dioxide(NO ₂)	ul Dioxide (502)				/m³	IS 5182(Part-06):2006,Reaffirmed-20		2017	
HC Methane (CH ₄)		0.6			pm	IS 5182(Part-21):2001		

	Rain	No	Construction site near by	No
Sampling Conditions	Wind	No	Vehicular Activity	Yes

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BRI



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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

AIR-F-006

Ref. No.: 456D/A-135D/11-23

Work Order No .: --

Name of the Industry: M/s. Vishwaraj Sugar Industries Ltd.

Bellad-Begewadi -591305, (Tq) - Hukkeri,

Dist - Belgaum.

Date of Sampling: 08/11/2023

CERTIFICATE OF ANALYSIS NOISE LEVEL MEASUREMENTS

Test Method: IS-9989

Sr. No.	od: IS-9989 STATION	Noise Level in dB(A)Leq (Day Time)	Noise Level in dB(A) Leq (Night Time)
1	*Near General Office	44.9	39.2
2	*Near Weigh Bridge	62.7	56.4
3	*Near Cane Cutter	66.5	59.8
4	*Near Mill House	67.8	64.2
5	*Near Boiler House	69.4	66.3

Remark: -- * Limit As per Factories Act 1948 dB(A)- <90 dB(A) and **CPCB guideline Day Time <75 dB(A) and Night Time <70 dB(A)

Instrument used: -Kusam-Meco KM 929 MK1 Sr. No. PAPL/LAB/064

Calibration Due date: - 07/09/2023.

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PAPL

PADMAJA AEROBIOLOGICALS PVT. LTD.

Public Testing Laboratory

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A2/11-23	Report Date : 18.11.2023		
Sample Ref No.	: 02A/EW-A2/11-23	Sampling plan / SOP : -		
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.		
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample	: Digester Inlet & Outlet	Sample Collected by : SEC		
Date of test completion	17.11.2023	Date of sample Collection: 08 Nov 2023		
Sample Quantity & condit		Date of sample receipt : 09 Nov 2023		

TEST RESULT

Sr. No.	Test Parameter	Digester Inlet	Digester Outlet	Unit	Test Method
1	pH @ 25 °C	4.03	8.21	-	IS:3025 (P-11) 1983
2	Alkalinity	722	6935	mg/l	IS:3025 (P-23) 1986
3	Volatile Acids		3304	mg/l	APHA 22 nd Edition-2012, 5560 C
4	Chemical Oxygen Demand	1,16,348	38,392	mg/l	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	54,563	5614	mg/l	IS:3025 (P-44) 1993
6	Total Solids	1,74,195	72,205	mg/l	APHA 22 nd Edition-2012, 2540 B
7	Total Volatile Solids	94,393	37,792	mg/l	APHA 22 nd Edition-2012, 2540-E, G
8	Fixed Dissolved Solids	79,802	34,413	mg/l	APHA 22 nd Edition-2012, 2540 C
9	Chlorides	7836	6760	mg/l	IS:3025 (P-32) 1988
10	Sulphates	7398	4372	rag/l	IS:3025 (P-24) 1986
11	Phosphate	2709	2814	mg/l	IS:3025 (P-31) 1988
12	Calcium	2234	1488	mg/l	IS:3025 (P-40) 1991
13	Magnesium	658	579	mg/l	IS:3025 (P-46) 1994
14	Sodium	990	967	mg/l	IS:3025 (P-45) 1993
15	Potassium	15,810	12,350	mg/l	IS:3025 (P-45) 1993
16	Total Kjeldahl Nitrogen	5630	6458	mg/l	IS 3025 (Part-34)-1988 Reaff.2014

Remark:

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PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A3/11-23	Report Date : 18.11.2023			
Sample Ref No.	: 03A/EW-A3/11-23	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.			
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.				
Name of Sample	: Distillery CPU Inlet & Outlet	Sample Collected by : SEC			
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023			
Sample Quantity & conditio		Date of sample receipt : 09 Nov 2023			

TEST RESULT

Sr. No.	Test Parameter	Distillery CPU Inlet	Distillery CPU Outlet	Unit	Test Method
1	pH @ 25 °C	7.88	8.07	-2	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	1763	41	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	706	7	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	241	85	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	39	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	41	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	16	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A4/11-23	Report Date : 18.11.2023				
Sample Ref No.	: 04A/EW-A4/11-23	Sampling plan / SOP : -				
Name of Industry	: Vishwaraj Sugar Industries Ltd.					
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.					
Name of Sample	: Sugar CPU Inlet & Outlet	Sample Collected by : SEC				
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023				
Sample Quantity & condition : 1 lit		Date of sample receipt : 09 Nov 2023				

TEST RESULT

Sr. No.	Test Parameter	Sugar CPU Inlet	Sugar CPU Outlet	Unit	Test Method
1	pH @ 25 °C	7.97	7.58	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	90	52	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	24	10	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	116	84	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	14	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	29	15	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	15	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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ANALYSED BY Abbreviations:-

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PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A5/11-23	Report Date : 18.11.2023			
Sample Ref No.	: 05A/EW-A5/11-23	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.			
Address	: A/p. Bellad-Bagewadi – 591305, (Tq)- Hukkeri, (Dst)- Belgaum.				
Name of Sample	: Sugar ETP Untreated & Treated	Sample Collected by : SEC			
Date of test completion	: 17.11.2023	Date of sample Collection: 08 Nov 2023			
Sample Quantity & conditio	n: 1 lit	Date of sample receipt : 09 Nov 2023			

TEST RESULT

Sr. No.	Test Parameter	Sugar ETP Untreated	Sugar ETP Treated	Unit	Standar ds for Treated Sample	Test Method
1	Color		< 5	Hazen	5	IS:3025 (P-4) 1983
2	Odor		Agreeable	3.00	Agreeab le	IS:3025 (P-5) 1983
3	pH @ 25 °C	5.54	7.41	-	5.5-8.5	IS:3025 (P-11) 1983
4	Chemical Oxygen Demand	2296	110	mg/l	250	IS:3025 (P-58) 2006
5	B.O.D. (3 days at 27°C)	1071	42	mg/l	100	IS:3025 (P-44) 1993
6	Total Dissolved Solids	2536	790	mg/l	2100	IS:3025(P-16)1984
7	Total Suspended Solids	490	53	mg/l	100	IS:3025 (P-17) 1984
8	Chloride as Cl	455	105	mg/l	600	IS:3025 (P-32) 1988
9	Sulphate as SO ₄	220	92	mg/l	1000	IS:3025 (P-24) 1986
10	Oil & Grease	10	ND	mg/l	10	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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WTR-F-001

CERTIFICATE OF ANALYSIS

Report No

: PAPL/EW-23P/12-2022

Date: - 17.12.2022

Sample Ref. No. Name of Industry : 23P/EW-23P/12-2022

: Vishwaraj Sugar Industries Ltd.

Address

: A/p:-Bellad-Bagewadi-591 305,(Tq)-Hukkeri, Dist-Belgaum... : Piezo well No. 8 [Cane yard side/Distillery plant down stream]

Name of Sample

: 08.12.2022 Date of Collection

Sample Quantity

: 1 lit : Customer

: 09.12.2022 Date of Receiving

mple Co	ollected by : Customer			IS:2296	M. 400 - 104
Sr. No.	Test Parameter	Result	Unit	Standards	Test Method
51.1.0.		< 5	Hazen		IS:3025 (P-4) 1983
1	Color	Agreeable			IS:3025 (P-5) 1983
2	Odor	7.93		6.5 - 8.5	IS:3025 (P-11) 1983
3	pH @ 25 °C		NTU		IS:3025 (P-10) 1984
4	Turbidity	2,1	NIU		
5	Total Alkalinity (as CaCO ₃)	246	mg/l	##2	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	28	mg/l		IS:3025 (P-58) 2006
	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
7	B.O.D. (Stay's at 27 C)	695	mg/l	2100	IS:3025 (P-16) 1984
8	Total Dissolved Solids	167	mg/l	600	IS:3025 (P-32) 198
9	Chlorides (as Cl)	540	mg/l		IS:3025 (P-21) 198
10	Hardness (as CaCO ₃)		mg/l		IS:3025 (P-40) 199
11	Calcium (as Ca)	162			IS:3025 (P-46) 199
12	Magnesium (as Mg)	46	mg/l		IS:3025 (P-45) 199
13	Sodium (as Na)	110.8	mg/l		IS:3025 (P-45) 199
14	Potassium (as K)	3.6	mg/l	60	By Calculation
15	% Na (Max)	28.71	%	26	By Calculation
16	Sodium Absorption Ratio	1.97		20	By Calculation
17	Residual Sodium Carbonate	-7.01	meq/l	2.5	
18	Electrical Conductivity	1370	μmhos/ cm	2250	IS:3025 (P-14) 198

Remark:-

FOR PADMAJA AEROBIOLOGICALS PVT. LTD.

Abbreviations: ND-Not Detected



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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/065

CER	TIFICATE	OF ANAL	YSIS				
STACI	K EMISSIO	N MONITO	DRING				
Report No.	PAPL/A-3	67A/04-24	Report da	te	26/04/2024		
Sample Ref. No.	1042A/A-3	67A/04-24					
Work order No.							
Name of Industry Address:	M/s Vishwaraj Sugar Industries Ltd. Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum.						
Sample collected by/SOP	PAPL/SOF	P/1/GEN/04					
Date of sampling	20/04/2024	Date o	f test comple	etion	24/04/2024		
Location of stack	Latitude: 1	6°16'33"N	Longitude: 7	4°42'4	6"E		
PA	RTICULAR	S OF STA	CK				
Stack Attached to	Co-gen Bo	iler (70 & 8	0 TPH)				
Stack Diameter (Meter)	3.63						
Stack Height (Meter)	73.0						
Stack Temperature (°C)	92						
Stack Velocity of Flue Gases (m/s)	8.1						
Stack Volume of Flue Gases (Nm3/hr)							
Type of Fuel	Bagasse						
POI	LUTION P	ARAMETI	ERS				
Parameter	Result	Limit	Unit		Method		
Particulate Matter (PM)	54.0	100	mg/Nm ³	IS-1	1255 (Part 1) 1985		
SO ₂ conc.	<15.0	**	mg/Nm ³	IS-1	1255 (Part 2) 1985		
NOx Cone.	<2.0		mg/Nm3	IS-11	1255 (Part 7) 2005		
Carbon monoxide (CO)	N.D	**	%	Flue	Gas Analyzer		
Non Methane Hydrogen (NMHC)	N.D	-	ppm	GC			

Remark: --

Instrument used: Polltech & PEM- SMK 10 M, Instrument 1,D. No. PAPL/LAB/088

Instrument calibration due date: 26/12/2024.

Note: This test report may not be produced in part or full, without the permission of this laboratory.

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PAPL/FRM/065

CER	TIFICATE O	OF ANALY	SIS			
STACK	EMISSION	MONITO	RING			
Report No.	PAPL/A-3	67A/04-24	Report da	te	26/04/2024	
Sample Ref. No.	1042A/A-3	367A/04-24				
Work order No.						
Name of Industry Address:	M/s Vishwaraj Sugar Industries Ltd. Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum.					
Sample collected by/SOP	PAPL/SOF	7/1/GEN/04				
Date of sampling	20/04/2024	Date o	f test comple	etion	24/04/2024	
Location of stack	Latitude: 1	6°16'33"N	Longitude: 7	74°42'4	46"E	
The state of the s	RTICULARS	OF STAC	K			
Stack Attached to	Distillery I	Boiler (10 &	12 TPH)			
Stack Diameter (Meter)	0.9					
Stack Height (Meter)	43					
Stack Temperature (OC)	127					
Stack Velocity of Flue Gases (m/s)	7.2					
Stack Volume of Flue Gases (Nm3/hr)						
Type of Fuel	Biogas					
POL	LUTION PA	RAMETE	RS			
Parameter	Result -	Limit	Unit		Method	
Particulate Matter (PM)	25.0	100	mg/Nm ³	IS-1	1255 (Part 1) 1985	
SO ₂ conc.	<15.0		mg/Nm³	IS-1	1255 (Part 2) 1985	
NOx Cone.	<2.0		mg/Nm3	IS-1	1255 (Part 7) 2005	
Carbon monoxide (CO)	N.D		%	Flue	Gas Analyzer	
Non Methane Hydrogen (NMHC)	N.D		ppm	GC		

Remark: --

Instrument used: Polltech & PEM- SMK 10 M, Instrument I.D, No. PAPL/LAB/088

Instrument calibration due date: 26/12/2024.

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PAPL/FRM/063

CERTIFICATE OF ANALYSIS

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-3670	C/04-24		Rej	port date	26/04	2024	
Sample Ref. No	1043C/A-367C/04-24							
Work order No.								
Name of customer	M/s Vishwara	j Sugar Indu	stries Ltd.					
Address		egewadî – 59 ıkkerî, Dist –						
Sample collected by/ SOP	PAPL/SOP/1/	GEN/04						
Date of sampling	20/04/2024			Date of te	st completi	on; 25/04/20	24	
Sampling location	Distillery Gate							
	Latitude: 19° 04' 47" N Longitude: 73° 07' 10" E							
Type of sampling	AAQ	M	24 Hrs.	100	V	8 Hrs.	**	
	RDS ID No.		PAPL/L/	AB/016	016 FDS ID No.		PAPL/LAB/097	
Instrument used	Calibration Due Date		31/08/2024		Calibration due Date 06/06/2024			
		POLLUTIO	N PARAM	ETERS	E47			
Parameter	Result	Limit	Unit	Metho	d			
Particulate Matter (PM _{2.5})	30.0	60	μg/m³	100000000000000000000000000000000000000	Gravimetric method (CPCB guidelines 2012, NAAQS Volume –I)			
Particulate Matter (PM ₁₀)	65.0	100	μg/m³	IS 5183	IS 5182(Part-23):2006			
Sulphur Dioxide (SO ₂)	<10.0	80	µg/m3	IS 5183	IS 5182(Part -02):2001			
Nitrogen Dioxide (NO2)	12.1	80	µg/m3	IS 518:	2(Part-06):2	006		

Sampling conditions	Rain	No	Construction site near by	No
The transfer of the transfer o	Wind	No	Vehicular activity	Yes

Remark: -

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PAPL/FRM/063

CERTIFICATE OF ANALYSIS

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-367B/04-24			Rep	ort date	26/04/	2024		
Sample Ref. No	1043B/A-367B/04-24								
Work order No.									
Name of customer	M/s Vishwara	j Sugar Indu	stries Ltd.						
Address	Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum								
Sample collected by/ SOP	PAPL/SOP/1/	GEN/04							
Date of sampling	20/04/2024			Date of tes	t completi	on: 25/04/20	24		
Sampling location	Distillery Gate								
AND THE STATE OF THE SECTION OF THE	Latitude: 19° 04' 47" N Longitude: 73° 07' 10" E								
Type of sampling	AAQ	M	24 Hrs.	1	4	8 Hrs.			
	RDS ID No.		PAPL/L/	AB/016	FDS ID	No.	PAPL/LAB/097		
Instrument used	Calibration Due Date		31/08/2024		Calibrati	06/06/2024			
		POLLUTIO	N PARAM	ETERS					
Parameter	Result	Limit	Unit	Method	d				
Particulate Matter (PM _{2.5})	27.0	60	μg/m³	1000 CO	Gravimetric method (CPCB guidelines 2012, NAAQS Volume –1)				
Particulate Matter (PM ₁₀)	58.0	100	μg/m³	IS 5182	IS 5182(Part-23):2006				
Sulphur Dioxide (SO ₂)	<10.0	80	μg/m3	IS 5182	IS 5182(Part -02):2001				
Nitrogen Dioxide (NO2)	<10.0	80	µg/m3	IS 5182(Part-06):2006					

Sampling conditions	Rain	No	Construction site near by	No
	Wind	- No	Vehicular activity	Yes

Remark: --

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A1/04-24	Report Date : 2	6 April 2024		
Sample Ref No.	: 01A/EW-A1/04-24	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.			
Address : A/p. Bellad-Bagewadi – 591305, (Tq)- Hukkeri, (Dst)- Belgaun					
Name of Sample	: Distillery CPU Inlet Water Sample	Date of sample Collection : 20 April 202			
	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 21 April 2024		
Sample Submitted B		Analysis Start Date	: 22 April 2024		
		Analysis End Date	:25 April 2024		

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH @ 25 °C	7.47	1.70	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	2372	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	1045	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	290	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	37	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	70	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	29	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A2/04-24	Report Date : 2	6 April 2024		
Sample Ref No.	: 02A/EW-A2/04-24	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.			
Address	: A/p. Bellad-Bagewadi - 5	91305, (Tq)- Hukkeri, (Dst)-	- Belgaum.		
Name of Sample	: Distillery CPU Outlet Water Sample	Date of sample Collection: 20 April 2024			
Sample Quantity & C sample in sealed and in	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 21 April 2024		
Sample Submitted By	y : SFC Lab	Analysis Start Date	: 22 April 2024		
***		Analysis End Date	: 25 April 2024		

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH @ 25 °C	8.11	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	75	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	26	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	118	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	10	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

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PAPL/FRM/065

CER	TIFICATE O	OF ANALY	SIS			
STACK	EMISSION	MONITO	RING			
Report No.	PAPL/A-5	26B/04-24	Report da	te	05/04/2024	
Sample Ref. No.	1561B/A-5	526B/04-24				
Work order No.						
Name of Industry Address:	M/s Vishwaraj Sugar Industries Ltd. Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum.					
Sample collected by/SOP	PAPL/SOI	P/1/GEN/04				
Date of sampling	27/03/2024	Date o	f test comple	etion	01/04/2024	
Location of stack	Latitude: 1	The second secon	Longitude: 7		46"E	
PAF	RTICULARS	OF STAC	K			
Stack Attached to	Distillery I	Boiler (10 &	12 TPH)			
Stack Diameter (Meter)	0.9					
Stack Height (Meter)	43					
Stack Temperature (°C)	131					
Stack Velocity of Flue Gases (m/s)	7.1					
Stack Volume of Flue Gases (Nm3/hr)						
Type of Fuel	Biogas					
POL	LUTION PA	RAMETEI	RS			
Parameter	Result	Limit	Unit		Method	
Particulate Matter (PM)	27.0	100	mg/Nm ³	IS-1	1255 (Part 1) 1985	
SO ₂ conc.	<15.0		mg/Nm ³	IS-1	1255 (Part 2) 1985	
NOx Conc.	<2.0		mg/Nm3	IS-1	1255 (Part 7) 2005	
Carbon monoxide (CO)	N.D		%	Flue	Gas Analyzer	
Non Methane Hydrogen (NMHC)	N.D		ppm	GC		
			_	-		

Remark: --

Instrument used: Polltech & PEM- SMK 10 M, Instrument I.D. No. PAPL/LAB/088

Instrument calibration due date: 26/12/2024.

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PAPL/FRM/065

CER	TIFICATE	OF ANAL	YSIS				
STACI	K EMISSIO	N MONITO	DRING				
Report No.	PAPL/A-5	526B/04-24	Report da	te	05/04/2024		
Sample Ref. No.	1561B/A-	526B/04-24		NA COLUMN	1,000		
Work order No.							
Name of Industry Address:	M/s Vishwaraj Sugar Industries Ltd. Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum.						
Sample collected by/SOP	PAPL/SOP/1/GEN/04						
Date of sampling	27/03/202	4 Date of	Date of test completion 01/04/2024		01/04/2024		
Location of stack	Latitude: 1	16°16'33"N	Committee of the Commit	Action was presented as a second	46"E		
PA	A POST OFFICE AND ADDRESS OF THE PARTY OF TH	RS OF STAC					
Stack Attached to	Co-gen Boiler (70 & 80 TPH)						
Stack Diameter (Meter)	3.63						
Stack Height (Meter)	73.0						
Stack Temperature (°C)	97						
Stack Velocity of Flue Gases (m/s)	8.1						
Stack Volume of Flue Gases (Nm3/hr)							
Type of Fuel	Bagasse						
POL	LUTION P	ARAMETE	ERS				
Parameter	Result	Limit	Unit		Method		
Particulate Matter (PM)	58.0	100	mg/Nm ³	IS-1	1255 (Part 1) 1985		
SO ₂ conc.	<15.0	••	mg/Nm ³	IS-1	1255 (Part 2) 1985		
NOx Conc.	<2.0	<u> (10)</u>	mg/Nm3	IS-1	1255 (Part 7) 2005		
Carbon monoxide (CO)	N.D		%	Flue	Gas Analyzer		
Non Methane Hydrogen (NMHC)	N.D		ppm	GC			

Remark: --

Instrument used: Polltech & PEM- SMK 10 M, Instrument I.D. No. PAPL/LAB/088

Instrument calibration due date: 26/12/2024.

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PAPL/FRM/063

CERTIFICATE OF ANALYSIS

AMBIENT AIR QUALITY MONITORING

Report No.	PAPL/A-5260	2/03-24		Rep	Report date 05/04/2024		4/2024		
Sample Ref. No	1561C/A-526	C/03-24							
Work order No.									
Name of customer	M/s Vishwaraj Sugar Industries Ltd.								
Address	Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum								
Sample collected by/ SOP	PAPL/SOP/1/	GEN/04							
Date of sampling	27/03/2024			Date of test completion: 01/04/2024					
Sampling location	Co-gen Gate								
	Latitude: 16°16'33"N Longitude: 74°42'46"E								
Type of sampling	AAQ	M	24 Hrs.	V		8 Hrs.			
	RDS ID No.		PAPL/LAB/093		FDS ID No.		PAPL/LAB/013		
Instrument used	Calibration Due Date		15/04/2024		Calibration due Date		31/08/2024		
		POLLUTIO	N PARAM	ETERS					
Parameter	Result	Limit	Unit	Method	Method				
Particulate Matter (PM _{2.5})	29.0	60	μg/m³	5134678501195	Gravimetric method (CPCB guidelines 2012, NAAQS Volume –I)				
Particulate Matter (PM ₁₀)	61.0	100	μg/m³	IS 5182	IS 5182(Part-23):2006				
Sulphur Dioxide (SO ₂)	<10.01>	80	μg/m3	IS 5182	IS 5182(Part -02):2001				
Nitrogen Dioxide (NO2)	<10.0	80	µg/m3	IS 5182(Part-06):2006					

Sampling conditions	Rain	. No	Construction site near by	No
	Wind	No	Vehicular activity	Yes

Remark: --

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PAPL/FRM/063

CERTIFICATE OF ANALYSIS

AMBIENT AIR QUALITY MONITORING

PAPL/A-5261	0/04-24		Rep	ort date	05/04	/2024
1561D/A-526	D/04-24					
						,
M/s Vishwara	j Sugar Indu	stries Ltd.				
A STATE OF THE STA	All the second s					
PAPL/SOP/1/	GEN/04				1155 TO 1155	
27/03/2024	Juliya da tamana a sana a		Date of tes	t completi	on: 01/04/20	24
Distillery Gate	c	7.10				
Latitude: 19°	04' 47" N Lo	ngitude: 73°	07' 10" E			
AAQ	M	24 Hrs.	V		8 Hrs.	
RDS ID No.		PAPL/LA	B/016 FDS ID No.			PAPL/LAB/097
Calibration D	ne Date	31/08/202	4 Calibration due Date		on due Date	06/06/2024
	POLLUTIO	N PARAMI	ETERS			
Result	Limit	Unit	Method	1		
32.0	60	μg/m³	Gravimetric method (CPCB guidelines 2012, NAAQS Volume –I)			
67.0	100	μg/m³	IS 5182	IS 5182(Part-23):2006		
<10.0	80	µg/m3	IS 5182(Part -02):2001			
12.1	80	μg/m3	IS 5182	(Part-06):2	006	
	M/s Vishwara Bellad-Be (Tq) - He PAPL/SOP/1/ 27/03/2024 Distillery Gate Latitude: 19° AAQ RDS ID No. Calibration De Result 32.0 67.0 <10.0	M/s Vishwaraj Sugar Indu Bellad-Begewadi – 59 (Tq) – Hukkeri, Dist – PAPL/SOP/1/GEN/04 27/03/2024 Distillery Gate Latitude: 19° 04' 47" N Lo AAQM RDS ID No. Calibration Due Date POLLUTIO Result Limit 32.0 60 67.0 100 <10.0 80	1561D/A-526D/04-24 M/s Vishwaraj Sugar Industries Ltd. Bellad-Begewadi – 591305, (Tq) – Hukkeri, Dist – Belgaum PAPL/SOP/1/GEN/04 27/03/2024 Distillery Gate Latitude: 19° 04' 47" N Longitude: 73° AAQM 24 Hrs. RDS ID No. PAPL/LA Calibration Due Date 31/08/202 POLLUTION PARAMI Result Limit Unit 32.0 60 μg/m³ 67.0 100 μg/m³ <10.0 80 μg/m³	1561D/A-526D/04-24	1561D/A-526D/04-24	M/s Vishwaraj Sugar Industries Ltd.

Sampling conditions	Rain	No	Construction site near by	No
	Wind	- No	Vehicular activity	Yes

Remark: --

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A1/03-24	Report Date :	05 April 2024		
Sample Ref No.	: 01A/EW-A1/03-24	Sampling plan / SOP : -	!		
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.			
Address	: A/p. Bellad-Bagewadi - 5	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample	: Distillery CPU Inlet Water Sample	Date of sample Collectin : // Wat			
	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 28 March 2024		
Sample Submitted B		Analysis Start Date	:29 March2024		
		Analysis End Date	:04 April 2024		

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH @ 25 °C	7.58	4	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	2139	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	980	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	273	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	35	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	61	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	27	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ANALYSED BY
Abbreviations:

REVIEWD BY

AUTHORIZED SIGNATORY



Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto: 16.10.2024 ISO 9001: 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A2/03-24	Report Date : 0	5 April 2024		
Sample Ref No.	: 02A/EW-A2/03-24	Sampling plan / SOP : -			
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.			
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.				
Name of Sample	ole : Distillery CPU Outlet Water Sample Date of sample Collection				
Sample Quantity & C sample in sealed and i	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 28 March 2024		
Sample Submitted B	y : SFC Lab	Analysis Start Date	: 29 March 2024		
33		Analysis End Date	:04 April 2024		

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH @ 25 °C	8.07	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	72	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	25	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	105	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl	5	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	ND	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ANALYSED BY

REVIEWD BY

AUTHORIZED SIGNATORY

Abbreviations:-

Vishwaraj Sugar Industries Limited, Bellad-Bagewadi Annexure 2 Fresh Water lifting Approval

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂ: ಜಸಂಇ 77 ಎನ್ಐಎನ್ 2022

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ, ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:12-09-2022

ಇವರಿಂದ:

ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಲ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ,

ಇವರಿಗೆ:

ವೃವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕರ್ನಾಟಕ ನೀರಾವರಿ ನಿಗಮ ನಿಯಮಿತ, ಕಾಫಿ ಬೋರ್ಡ್ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು-560001.

ಮಾನ್ಗರ,

ವಿಷಯ:

ಮೆ: ವಿಶ್ವರಾಜ ಶುಗರ್ಸ್ ಇಂಡ್ಸ್ಟ್ರೀಸ್ ಲಿ. ಬೆಲ್ಲದ ಬಾಗೇವಾಡಿ, ಹುಕ್ಕೇರಿ ಬೆಳಗಾವಿ ಇವರಿಗೆ ಘಟಪ್ರಭಾ ನದಿಯಿಂದ ನೀರನ್ನು ಎತ್ತಿ ಕೈಗಾರಿಕೆಗೆ ಬಳಕೆ ಮಾಡಲು ನೀಡಿರುವ ಪರವಾನಗಿಯನ್ನು ನವೀಕರಿಸುವ ಕುರಿತು.

ಉದ್ದೇಖ:

- 1. ತಮ್ಮ ಪತ್ರ ಸಂ: ಕನೀನಿ/ 37(67)/ ಟಿಜಿಸಿ/ 2017-18/2021, ದಿನಾಂಕ 11.07.2022.
- 2. ದಿನಾಂಕ: 04.08.2022ರಂದು ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಟ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ರವರ ಅಧಕ್ಷತೆಯಲ್ಲಿ ವಿಡಿಯೋ ಸಂವಾದದ ಮೂಲಕ ಜರುಗಿದ ಕೈಗಾರಿಕೆಗಳಿಗೆ ನೀರು ಹಂಚಿಕೆ ಕುರಿತು ರಚಿಸಲಾಗಿರುವ ಸಮಿತಿಯ 35ನೇ ಸಭೆಯ ನಡವಳಿಗಳು.

ಮೇಲ್ಗಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಉಲ್ಲೇಖ(1)ರ ಪತ್ರದಲ್ಲಿ ಮೆ||ವಿಶ್ವರಾಜಶುಗರ್ ಇಂಡ್ರಕ್ಷಿಸ್ ಇವರಿಗೆ ಘಟಪ್ರಭಾ ನದಿಯಿಂದ ವಾರ್ಷಿಕ 21.89 ಎಂಸಿಎಫ್ಟ್ (0.02189 ಟಿ.ಎಂ.ಸಿ .ನೀರನ್ನು ಎತ್ತಿ ಕೈಗಾರಿಕಾ ಉದ್ದೇಶಕ್ಕಾಗಿ ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲು ನೀಡಿರುವ ಪರವಾನಿಗೆಯನ್ನು ಮಾನ್ನ ಉಚ್ಚನ್ಯಾಯಾಲಯದ ತಡೆಯಾಜ್ಞೆ ಆದೇಶ ದಿನಾಂಕ: 26.09.2019ರನ್ವಯ ಶ್ರೀ ರೇಣುಕಾ ಶುಗರ್ಸ್ ಇವರಿಗೆ ನೀರಿನ ದರ ಹೆಚ್ಚಳ ಬಗ್ಗೆ ಮತ್ತು ಸೂಕ್ತ ನಿರ್ದೇಶನ / ಆದೇಶದವರೆಗೆ ವೃತ್ಯಾಸದ ದರ ಭರಿಸುವ ಮುಚ್ಚಳಿಕೆಯನ್ನು ಪಡೆದುಕೊಂಡು ದಿನಾಂಕ: 22.07.2020 ರಿಂದ ಮುಂದಿನ 4 ವರ್ಷಗಳಗೆ ಅಂದರೆ ದಿನಾಂಕ: 22.07.2020 ರಿಂದ ಮುಂದಿನ 4 ವರ್ಷಗಳಗೆ ಅಂದರೆ ದಿನಾಂಕ: 22.07.2020 ರಿಂದ ನಿನೀಕರಣಗೊಳಿಸುವ ಪ್ರಸ್ತಾವನೆಯನ್ನು ತಿಫಾರಸ್ಸಿನೊಂದಿಗೆ ಸಲ್ಲಿಸಿರುತ್ತೀರಿ.

ಈ ಕುರಿತಂತೆ ಕೈಗಾರಿಕೆಗಳಿಗೆ ನೀರಿನ ಹಂಚಿಕೆ ಕುರಿತು ಪರಿತೀಲಿಸುವ ಸಮಿತಿಯು ಉಲ್ಲೇಖ(2)ರ ನಡವಳಿಯಲ್ಲಿ ಮೆ: ವಿಶ್ವರಾಜ ಶುಗರ ಇಂಡ್ರಕ್ಟೀಸ್ ಲಿ, ಬೆಲ್ಲದ ಬಾಗೇವಾಡಿ, ಹುಕ್ಕೇರಿ, ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ ಇವರಿಗೆ ಘಟಪ್ರಭಾ ನದಿಯಿಂದ ವಾರ್ಷಿಕ 21.89 ಎಂ.ಸಿ.ಎಫ್.ಟಿ (0.02189 ಟಿ.ಎಂ.ಸಿ) ನೀರನ್ನು ಎತ್ತಿ ಕೈಗಾರಿಕಾ ಉದ್ದೇಶಕ್ಕಾಗಿ ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲು ನೀಡಿರುವ ಪರವಾನಗಿಯನ್ನು ಸರ್ಕಾರವು ವಿಧಿಸುವ ಎಲ್ಲಾ ಪರತ್ತುಗಳನ್ನು ಪಾಲಿಸುವ ನಿಬಂಧನೆಗೆ ಒಳಪಟ್ಟು ದಿನಾಂಕ: 22.07.2020 ರಿಂದ 21.07.2025 (5 ವರ್ಷಗಳ) ಅವಧಿಗೆ ನವೀಕರಿಸಲು ಸಮಿತಿಯು ಶಿಫಾರಸ್ಸು ಮಾಡಿರುತ್ತಾರೆ.

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ಉಲ್ಲೇಖಿತ (2) ರಲ್ಲಿಯ ಸಮಿತಿಯ ಶಿಫಾರಸ್ಸಿನಂತೆ ಮೆ: ವಿಶ್ವರಾಜ ಶುಗರ ಇಂಡ್ಸ್ಟ್ರೀಸ್ ಲಿ ಇವರಿಗೆ ಬೆಲ್ಲದ ಬಾಗೇವಾಡಿ, ಹುಕ್ಕೇರಿ, ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ ಇವರಿಗೆ ಘಟಪ್ರಭಾ ನದಿಯಿಂದ ವಾರ್ಷಿಕ 21.89 ಎಂ.ಸಿ.ಎಫ್.ಟಿ (0.02189 ಟಿ.ಎಂ.ಸಿ) ನೀರನ್ನು ಎತ್ತಿ ಕೈಗಾರಿಕಾ ಉದ್ದೇಶಕ್ಕಾಗಿ ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲು ನೀಡಿರುವ ಪರವಾನಗಿಯನ್ನು ಮಾನ್ಯ ಉಭ್ಬನ್ಯಾಯಾಲಯದ ತಡೆಯಾಜ್ಞೆ ಆದೇಶ ದಿನಾಂಕ: 26.09.2019ರನ್ವಯ ತ್ರೀ ರೇಣುಕಾ ಶುಗರ್ಸ್ ಇವರಿಗೆ ನೀರಿನ ದರ ಹೆಚ್ಚಳ ಬಗ್ಗೆ ಮತ್ತು ಸೂಕ್ತ ನಿರ್ದೇಶನ / ಆದೇಶದವರೆಗೆ ವೃತ್ಯಾಸದ ದರ ಭರಿಸುವ ಮುಚ್ಚಳಿಕೆಯನ್ನು ಪಡೆದುಕೊಂಡು ಈ ಕೆಳಕಂಡ ಪರತ್ತುಗಳಿಗೊಳಪಟ್ಟು 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅಂದರೆ ದಿನಾಂಕ: 22.07.2020 ರಿಂದ 21.07.2025 (5 ವರ್ಷಗಳ) ಅವಧಿಯ ನವೀಕರಿಸುವ ಪ್ರಸ್ತಾವನೆಗೆ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ ಎಂದು ತಮಗೆ ತಿಳಿಸಲು ನಿರ್ದೇಶಿತನಾಗಿದ್ದೇನೆ.

ಪರತ್ತುಗಳು

- 1) ಮೆ||ವಿಶ್ವರಾಜ ಶುಗರ್ ಇಂಡ್ರಸ್ಟ್ರೀಸ್ ಲಿ,ಬೆಲ್ಲದ ಬಾಗವಾಡಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಜೆಲ್ಲೆಇವರಿಗೆ ಘಟಪ್ರಭಾ ನದಿಯಿಂದ ವಾರ್ಷಿಕ 21.89 ಎಂಸಿಎಫ್ಟ್ (0.02189 ಟಿ.ಎಂ.ಸಿ) .ನೀರನ್ನು ಎತ್ತಿ ತಮ್ಮ ಕಾರ್ಖಾನೆಯ ಆವರಣದಲ್ಲಿ ಸ್ವಂತ ಖರ್ಚಿನಲ್ಲಿ ನೀರಿನ ಶೇಖರಣೆ ವ್ಯವಸ್ಥೆ ಮಾಡಿಕೊಂಡು ಶೇಖರಿಸಿಕೊಂಡ ನೀರನ್ನು ಬಳಸಿಕೊಳ್ಳುವುದು.
- 2) ನದಿಯಲ್ಲಿ ನೀರು ಲಭ್ಭವಿಲ್ಲದ ಸಂದರ್ಭದಲ್ಲಿ ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯು/ನಿಗಮವು ಜವಾಬ್ದಾರಿಯಾಗುವುದಿಲ್ಲ.
- 3) ಕೈಗಾರಿಕೆಯ ಉದ್ದೇಶಿತ ನೀರೆತ್ತುವ ಯೋಜನೆಯ ಮೇಲ್ಬಾಗದಲ್ಲಿ ಇನ್ನಾವುದೇ ಯೋಜನೆ/ಯೋಜನೆಗಳು ಮುಂದೆ ಅನುಷ್ಠಾನಗೊಂಡಲ್ಲಿ ಮತ್ತು ಅದರಿಂದಾಗಿ ನೀರಿನ ಲಭತೆಯು ಕಡಿಮೆಯಾದಲ್ಲಿ ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖಿ/ನಿಗಮವು ಇದಕ್ಕೆ ಜವಾಬ್ದಾರರಲ್ಲ ಮತ್ತು ಕಾರ್ಖಾನೆ/ಸಂಸ್ಥೆಗೆ ಸರ್ಕಾರ/ನಿಗಮದಿಂದ ಯಾವುದೇ ಪರಿಹಾರ ಧನ ನೀಡಲಾಗುವುದಿಲ್ಲ.
- 4) ನೀರನ್ನು ಬಳಸಿಕೊಳ್ಳುವ ಬಗ್ಗೆ ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ/ನಿಗಮದ ಅಧಿಕಾರಿಗಳಿಂದ ಸೂಕ್ತ ಮಾಪನ ಮಾಡಿಸಿಕೊಳ್ಳತಕ್ಕದ್ದು ಮತ್ತು ಬಳಸುವ ನೀರಿಗೆ ಕಾಲಕಾಲಕ್ಕೆ ನಿಗಧಿಪಡಿಸುವ ದರಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ನೀರಿನ ಕರವನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಗೆ/ನಿಗಮಕ್ಕೆ ಕಾರ್ಖಾನೆಯು ಪಾವತಿಸತಕ್ಕದ್ದು ಮತ್ತು ಸರ್ಕಾರದಿಂದ ನಿಗಧಿಪಡಿಸುವ ಸೇವಾ ಶುಲ್ಕ ಅಥವಾ ಯಾವುದೇ ಇತರೆ ಕರವನ್ನು ಕಾರ್ಖಾನೆಯು ಪಾವತಿಸತಕ್ಕದ್ದು.
- 5) ಮೆ: ವಿಶ್ವರಾಜ್ ಶುಗರ್ಸ್ ಇವರು ಮಾನ್ಯ ಉಚ್ಚನ್ನಾಯಾಲಯದ ತಡೆಯಾಜ್ಞೆ ಆದೇಶ ದಿನಾಂಕ: 26.09.2019ರನ್ಷಯ ಶ್ರೀ ರೇಣುಕಾ ಶುಗರ್ಸ್ ಇವರಿಗೆ ನೀರಿನ ದರ ಹೆಚ್ಚಳ ಬಗ್ಗೆ ಮತ್ತು ಸೂಕ್ತ ನಿರ್ದೇಶನ / ಆದೇಶದವರೆಗೆ ವೃತ್ಯಾಸದ ದರ ಭರಿಸುವ ಮುಚ್ಚಳಿಕೆಯನ್ನು ಪಡೆದುಕೊಂಡು ನಂತರ ಪರವಾನಗಿಯನ್ನು ಮುಂದುವರೆಸತಕ್ಕೆದ್ದು.
- 6) ಈ ಯೋಜನೆಯಡಿ ಬಳಸುವ ನೀರಿನ ಪ್ರಮಾಣ, ವೇಳೆ ಮತ್ತು ಅವಧಿಯನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ/ ನಿಗಮದಿಂದ ಖಚಿತಪಡಿಸಿಕೊಳ್ಳತಕ್ಕದ್ದು.
- 7) ಈ ಯೋಜನೆಯ ಕೆಳಭಾಗದಲ್ಲಿ ಬರುವ ಜಮೀನುಗಳ ನೀರಾವರಿ ಸೌಲಭಕ್ಕೆ ಕುಡಿಯುವ ನೀರಿನ ಯೋಜನೆಗಳಿಗೆ ಮತ್ತು ಇನ್ನಾವುದೇ ಚಾಲ್ತಿಯಲ್ಲಿರುವ ನೀರಿನ ಬಳಕೆಗಳಿಗೆ ಯಾವುದೇ ತೊಂದರೆಯಾಗದಂತೆ ಎಚ್ಚರವಹಿಸತಕ್ಕದ್ದು. ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ಯೋಜನೆಯ ಕೆಳಭಾಗದಲ್ಲಿ ಯಾವುದೇ ಉಪಯೋಗಕ್ಕಾಗಿ ನೀರು ಬೇಕಾದಲ್ಲಿ, ಸರ್ಕಾರವು ಅಥವಾ ಅದರ ಪ್ರತಿನಿಧಿಯು/ನಿಗಮವು ಆದೇಶಿಸುವಂತೆ ಕಾರ್ಖಾನೆ/ಸಂಸ್ಥೆಯು ನೀರೆತ್ತುವ ಸ್ಥಳದಿಂದ ಭಾಗಶ: ಅಥವಾ ಎಲ್ಲಾ ನೀರನ್ನು ಯಾವುದೇ ಪರತ್ತಿಲ್ಲದೆ ಕೆಳಗೆ ಬಿಡತಕ್ಕದ್ದು.
- 8) ಪರವಾನಗಿಯು 5 ವರ್ಷಗಳವರೆಗೆ ಚಾಲ್ತಿಯಲ್ಲಿರುತ್ತದೆ. ತದನಂತರದ ಅವಧಿಗೆ ಅವಶ್ಯವಿದ್ದಲ್ಲಿ ಪರವಾನಗಿಯನ್ನು ನವೀಕರಿಸಿಕೊಳ್ಳತಕ್ಕದ್ದು.
- 9) ಈ 5 ವರ್ಷದೊಳಗಾಗಿ ಯಾವುದೇ ಸಮಸ್ಯೆ ಉದ್ಭವಿಸಿದಲ್ಲಿ ಯಾವುದೇ ಕಾರಣಗಳನ್ನು ನೀಡದೆ,



ಸರ್ಕಾರವು ಅಥವಾ ಅದರ ಪ್ರತಿನಿಧಿಯು ಈ ಪರವಾನಗಿಯನ್ನು ರದ್ದುಪಡಿಸಬಹುದಾಗಿದೆ.

- 10) ಕೃಷ್ಣಾ ಸ್ಯಾಯಾಧಿಕರಣ- IIರ ಮುಂದುವರೆದ ಆದೇಶ ದಿನಾಂಕ: 29.11.2013ರಂತೆ, ರಾಜ್ಯವು ಬಳಸಬಹುದಾದ ಒಟ್ಟಾರೆ ನೀರಿನ ಹಂಚಿಕೆಯನ್ವಯ ಸಂಬಂಧಿತ ಕಾರ್ಯಕ್ಷೇತ್ರದ / ವಲಯದ ಮುಖ್ಯ ಇಂಜಿನಿಯರ್ ರವರು ನೀರಿನ ಹಂಚಿಕೆ ಮತ್ತು ಬಳಕೆ ಕುರಿತಂತೆ ಪ್ರಸ್ತುತ ಬಳಕೆಯಾಗುತ್ತಿರುವ/ಬಳಕೆಯಾಗದಿರುವ ನೀರಿನ ಪ್ರಮಾಣದ ಲೆಕ್ಕಚಾರವನ್ನು ಮಾಡಿಕೊಂಡು ನೀರಾವರಿ, ಕುಡಿಯುವ ನೀರು, ಕೈಗಾರಿಕೆ ಹಾಗೂ ಇತರ ವಲಯ ನೀರಿನ ಬಳಕೆಯ ಪ್ರಮಾಣವು ನ್ಯಾಯಾಧೀಕರಣವು ವಿಧಿಸಿರುವ ಮಿತಿಯೊಳಗೆ ಇರುವ ಬಗ್ಗೆ ಕಾರ್ಯಕ್ಷೇತ್ರದ ಮುಖ್ಯ ಇಂಜಿನಿಯರ್ ರವರು ಖಾತರಿಪಡಿಸಿಕೊಳ್ಳುವುದು.
- 11)ಕಾರ್ಖಾನೆಯವರು ತಮ್ಮ ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಸ್ವಾಧೀನ ಹೊಂದಿರುವ ಭೂ ಪ್ರದೇಶದಲ್ಲಿ ಸೂಕ್ತವಾದ ಸ್ಥಳಗಳಲ್ಲಿ Rainwater Harvesting Method ಮುಖಾಂತರ ಮಳಿಕೊಯ್ಲನ್ನು ಮಾಡಲು ಮತ್ತು ಇಂಗು ಗುಂಡಿಗಳನ್ನು ನಿರ್ಮಿಸಿ ಅಂತರ್ಜಲ ಮರುಪೂರಣೆ ಮಾಡುವ ಮುಖಾಂತರ Borewell ನೀರನ್ನು ಸಹ ಬಳಸುವುದು.
- 12) ಕಾರ್ಖಾನೆಯವರು ಬಳಸಿದ ನೀರನ್ನು ಸೂಕ್ತವಾದ ವಿಧಾನದಿಂದ ಮರು ಸಂಸ್ಥರಣೆ ಮಾಡಿ ಸಂಸ್ಥರಿಸಿದ ನೀರನ್ನು ಮರು ಬಳಸುವುದು.
- 13) ಸೂಕ್ತ ಆಧುನಿಕ ತಂತ್ರಜ್ಞಾನವನ್ನು ಕಾರ್ಖಾನೆಯ ಉತ್ಪಾದನೆಯಲ್ಲಿ ಅಳವಡಿಸಿಕೊಂಡು ಬಳಸುವುದರ ಮೂಲಕ ನೀರಿನ ಬಳಕೆ ಪ್ರಮಾಣವನ್ನು ಕಡಿಮೆ ಮಾಡುವುದು.
- 14) ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಅವಕ್ಷವಿರುವ ಅನುಮತಿಯನ್ನು KSPCB ಇಲಾಖೆಯಿಂದ (Karnataka State Pollution Control Board) ಪಡೆಯುವುದು.
- 15) ಕಾರ್ಖಾನೆಯವರು ಬಳಸುವ ನೀರಿನ ಪ್ರಮಾಣವನ್ನು ಲೆಕ್ಕ ಮಾಡಲು ಜಾಕ್ವೆಲ್ ಬಳಿBulkflow meter ನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಅಳವಡಿಸತಕ್ಷದ್ದು, ಸದರಿ Bulkflow meterನ್ನು ಪ್ರತಿ ವರ್ಷ calibration ಮಾಡಿಸಿ, calibration ಪ್ರಮಾಣ ಪತ್ರಗಳನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಕರಾರು ಫ್ರಾಧಿಕಾರಕ್ಕೆ ಕಡ್ಡಾಯವಾಗಿ ಒದಗಿಸತಕ್ಕದ್ದು ಮತ್ತು ಪ್ರತಿ ದಿನದ ಹಾಗೂ ತಿಂಗಳುವಾರು ನೀರಿನ ಬಳಕೆಯ ಪ್ರಮಾಣದ ವಿವರಗಳನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ಕರಾರು ಫ್ರಾಧಿಕಾರಕ್ಕೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
- 16) ಸದರಿ ನೀರಿನ ಬಳಕೆಯ ಸಂದರ್ಭದಲ್ಲಿ ಯಾವುದೇ ವಿವಾದಗಳು ಉಂಟಾದಲ್ಲಿ ಅದಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಸಂಪೂರ್ಣ ವೆಚ್ಚಗಳನ್ನು ಕಾರ್ಖಾನೆ/ಸಂಸ್ಥೆಯೇ ಭರಿಸಕ್ಕದ್ದು ಮತ್ತು ವಿವಾದದ ಕುರಿತು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯ ತೀರ್ಮಾನವೇ ಅಂತಿಮ.
- 17) ಕೋ-ಜನರೇಶನ್ ಪ್ಲಾಂಟ್ನಿನಿಂದ ಉತ್ಪತ್ತಿ ಮಾಡಲಾಗುವ ವಿದ್ಯುತ್ನನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಕೆ.ಪಿ.ಟಿ.ಸಿ.ಎಲ್ನ ಗ್ರಿಡ್ ಗೆ ನೀಡಬೇಕು.
- 18) The industry consuming water conveyed through pipe lines shall ensure drinking water to the en route villages, where ever required.
- 19) Integrated use of water in all the units of the factory should be adopted and savings should be achieved and accounted for.
- 20) Industries Department has to examine whether the demand of water made by the factory/ company/ Industry is responsible/justifiable and Commerce and Industries Department has to assess the and certify the demand in each case.
- 21) The allotted and use of water by Industries will not effect the



Irrigation.

- 22) The allotment of water would be made mainly from the run off of the river during monsoon period only, so that the Industries can make their own storage- arrangements to manage their requirement of water in the nonflow months.
- 23) The industry should have its own water re-cycling system and rain water harvesting system and thereby conserve water to the maximum possible extent so as to make use of the same, by adapting zero discharge methods as far as possible.
- 24) The proponents of the industry shall train local people and provide employment to these trained local youth and comply with the Government policy of employment to local people as per the Dr.Sarojini Mahishi report and Industrial Policy of the State.
- 25) The industry should obtain necessary clearances as per the guidelines prescribed by the Ministry of Environment and Forest and the Pollution Control Board.
- 26) The industry shall undertake re-cycling of water to minimize usage of fresh water. After usage, the water should be treated as per pollution control norms, before letting it into the main river/stream.
- 27) In view of the constant Research & Developments, the industry should regularly upgrade the industry/plant by adapting the latest technologies for economizing the use of water and reduce its utilization of water in its industry/unit as much as possible.
- 28) The Chief Engineers shall ensure that the exact utilization of water by the allotted industries is measured and accounted for.
- 29) Commerce and Industries Department examine and standardize the requirement of water of various type of Industries based on new technology, conjuction use, recycling. Also the Commerce and Industries Department / Energy Department should certify the requirement of water to the Industry/ Thermal Power Plant (coal based, gas based, Biomass based including cogeneration in sugarcane factories).
- 30) Water current meter, Water meter calibration ವಿವರ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ Water consumption Log Register ಅನ್ನು ಅಳವಡಿಸಿಕೊಂಡಿರುವ ಬಗ್ಗೆ ಮತ್ತು ಬಳಸಿದ ಪ್ರಮಾಣಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಚಾಲ್ತಿಯಲ್ಲಿರುವ ನೀರಿನ ಶುಲ್ಕವನ್ನು ಪಾವತಿಸಿರುವ ಬಗ್ಗೆ ಮಾಹಿತಿ ಒದಗಿಸುವುದು.
- 31) ಮೇಲ್ಗಂಡ ಎಲ್ಲಾ ಷರತ್ತುಗಳನ್ನು ಹಾಗೂ ಇತರೇ ಯಾವುದೇ ಅಗತ್ಯ ಷರತ್ತುಗಳನ್ನೊಳಗೊಂಡ ಒಡಂಬಡಿಕೆಯನ್ನು ಸದರಿ ಕಾರ್ಖಾನೆ/ ಸಂಸ್ಥೆಯು ಮಾಡಿಕ್ಕೊಳ್ಳತಕ್ಷದ್ದು ಮತ್ತು ಕಾರ್ಖಾನೆ/ಸಂಸ್ಥೆಯು ಅಗತ್ಯ ಮುಚ್ಚಳಿಕೆಯನ್ನು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರಿಗೆ ಬರೆದುಕೊಡಬೇಕು.

MILON

WRD/77/NIN/2022-WRD_TECH4-WATER RESOURCE SEC

1/311784/2022

32) ಮೇಲಿನ ಯಾವುದೇ ಷರತ್ತುಗಳನ್ನು ಉಲ್ಲಂಘಿಸಿದಲ್ಲಿ, ಈ ಅನುಮತಿಯನ್ನು ಯಾವುದೇ ಮುನ್ಸೂಚನೆ ನೀಡದೆ, ಯಾವುದೇ ವೇಳೆಯಲ್ಲಿ ರದ್ದುಪಡಿಸುವ ಅಧಿಕಾರವನ್ನು ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆಯು ಹೊಂದಿರುತ್ತದೆ.

> (ವೀರೇಂದ್ರ.ಕ) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ (ತಾಂತ್ರಿಕ-4) ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ

ಪ್ರತಿಯನ್ನು ಮಾಹಿತಿಗಾಗಿ:

ಮೆ.ವಿಶ್ವರಾಜ್ ಶುಗರ್ಸ್, ಬೆಲ್ಲದ ಬಾಗೇವಾಡಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಜೆಲ್ಲೆ-591305.

2. ಮುಖ್ಬ ಇಂಜಿನಿಯರ್, ಜಲಸಂಪಸನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಆನಂದರಾವ್ ವೃತ್ತ, ಬೆಂಗಳೂರು.



Government of Karnataka

No.WRD/77 NIN 2022

Karnataka Government Secretariat, Vikas Soudh, Bengaluru. Date: 12-09-2022

From:

Additional Chief Secretary to Government, Water Resources Department,

To: The Managing Director, Karnaaka Neravari Nigam Nyt., Coffee Board Building Bengaluru. 560 001.

Sir,

Regarding renewal of licence for lifting of water from Ghataprabha River for industrial purpose in respect of M/s Vishwaraj Sugar Industries Ltd., Bellad Bagewadi, Tal, Hukkeri, Dist, Belagavi.

1) your letter No. KNN/37(67)/TGC/2017-18/2021. Dated 1-1.07.2022.

 Proceedings of 35th Video conversation of supply of water to the Industries presided by the Upper Principal Secretary, Water Resources Department.

With reference to the cited subject and above reference letter (1), the licence med to lift 21.89 MCFT (0.02189 T.M.C.) annually from the Ghataprabha River for the purpose of using the same for industrial purpose M/s Vishwaraj sugar Industries, is recommended for renewal of further 4 years from 22.07.2020 onwards i.e 22.07.2020 to 21.07.2024, after obtaining the Indemnity Bond for making payment of difference amount as per the Stay Order dated 26.09.2019, by the Hon'ble High Court, Government of Karnataka: in respect of Shri Renuka Sugars, about the increase in the rate of water and till the appropriate direction / order to them; is submitted.

In this regard, the committee has recommended to renew the licence for lifting of 21.89 MCFT (0.02189 T.M.C.) water annually for the use of industrial purpose from Ghataprabha river, to M/s Vishwaraj Sugar Industries Ltd., Bellad Bagewadi, Tal. Hukkeri, Dist. Belagavi, from 22.07.2020 to 21.07.2025 (5 years) subject to condition that they would abide by all the terms and conditions vide the proceeding of the water distribution committee referred at (2) above.

I am directed to inform you that as per the recommendations of committee referred at (2) above, the proposal for renewal of licence for lifting of 21.89 MCFT (0.02189 T.M.C.) water annually for the use of industrial purpose from Ghataprabha river by M/s Vishwaraj Sugar Industries Ltd.. Bellad Bagewadi, Tal. Hukkeri, Dist. Belagavi, for the period of 5 years i.e. from 22.07.2020 to 21.07.2025 (5 years), after obtaining the Indemnity Bond for making payment of difference amount as per the Stay Order dated 26.09.2019, by the Hon ble High Court, Government of Karnataka; in respect of Shri Renuka Sugars, and subject to following conditions is approved.

No. of Correction

CONDITIONS

- M/s Vishwaraj Sugar Industries Ltd., Bellad Bagewadi, Tal. Hukkeri, Dist. Belagavi, shall lift 21.89 MCFT (0.02189 T.M.C.) water annually from Ghataprabha river and shall store the water at their own cost and use it.
- If no water is available in the river, the Water Resources Department / Corporation cannot be held responsible.
- 3) In the upper side of the proposed water lifting source on account of establishment of other project/s causing scarcity of water, in such cases, the Water Resources Department / Corporation cannot be held responsible and the factory/institution shall not get any relief funds from the Government/Corporation.
- The usage of water be should be got measured appropriately through the officers of the department / corporation and karkhane shall pay the water tax against the rates fixed for the water from time to time, to the Water Resources Department/Corporation and the karkhane shall bear the service charges fixed by the government or any other tax levied.

M/s Vishwaraj Sugars, after obtaining the Indemnity Bond for making payment of difference amount as per the Stay Order dated 26.09.2019, by the Hon'ble High Court, Government of Karnataka; till the appropriate directions/ order in respect of Shri Renuka Sugars, and continue their licence.

The quantity of usage of water, time to lift and the period for lifting of water be got confirmed from the Water Resources Department/Corporation.

Karkhane should be cautious that no disturbance / hindrance will be caused to the usage of water by the irrigation of lands coming downwards of this project. To drinking water projects and to any other presently water using projects etc. At any time for any use if the water is required at the downward projects, the karkhane shall let the water to these projects partially or fully unconditionally, in compliance of the order of Government or its representative/Corporation.

- The licence is valid for 5 years. Therefore, if need be the licence should be got renewed.
- 9) If any problem occurs within a period of 5 years, without assigning any reasons the Government or it's representative may cancel this licence.
- In continuation of the order of Krishna Tribunal II dated 29.11.2013. The Chief Engineer of the concerned area of operation/circle, in respect of total consumption of water distribution, shall calculate the distribution of water and consumption and current quantity of consumption/non consumption of the water shall get ascertained that the usage quantity for the purpose of irrigation, drinking water, industries and for other zones, is within the limits prescribed by the Tribunal.
- 11) The karkhane shall make use of water by constructing Rainwater Harvesting Method ponds, developing pot holes as to revive the ground water and use borewell water also in their own land for their proposed project.



Notary Notary

- Karkhane shall reprocess the used water trough appropriate method and reuse such processed water.
- 13) By imbibing the appropriate modern technology in production of karkhane, it can reduce the quantity of water usage.
- 14) To obtain the necessary permission from KSPCB (Karnataka State Pollution Control Board) for the proposed project.
- 15) The Bulkflow meter should be installed to measure the quantity of water used by the karkhane. The said Bulkflow meter should be got calibrated every year and shall submit the calibration certificate to the Contract Authority of Water Resources Department without fail and shall submit daily and monthly consumption quantity of water to the Water Resources Department's Contract Authority.
- 16) Any disputes arising out of usage of water the karkhane/institution shall bear it's entire expenses and the decision of Water Resources Department shall be final.
- The power generated from the Co-generation plant, should be supplied to K.P.T.C.L. grid without fail.
 - The industry consuming water conveyed through pipe lines shall ensure drinking water to the en route villages, wherever required.
 - Integrated use of water in all the units of the factory should be adopted and savings should be achieved and accounted for.
 - Industries Department has to examine whether the demand of water made by the factory/company/industry is responsible/justifiable and Commerce and Industries Department has to assess and certify the demand in each case.
- The allotted and use of water by Industries will not effect the irrigation.
- 22) The allotment of water would be made mainly from the run off of the river during monsoon period only, so that the Industries can make their own storage arrangements to manage their requirement of water in the non-flow months.
- 23) The industry should have its own water re-cycling system and rain water harvesting system and thereby conserve water to the maximum possible extent so as to make use of the same, by adapting zero discharge methods as far as possible.
- 24) The proponents of the industry shall train local people and provide employment to these trained local youth and comply with the Government Policy of employment to local people as per the Dr. Sarojini Mahishi report and Industrial Policy of the State.
- 25) The industry should obtain necessary clearances as per the guidelines prescribed by the Ministry of Environment and Forest and the Pollution Control Board.

No. of Gorrection (1)



- 26) The industry shall undertake re-cycling of water to minimize usage of fresh water, After usage, the water should be treated as per pollution control norms. before letting it into the main river/stream.
- 27) In view of the constant Research & Developments, the industry should regularly upgrade the industry/plant by adapting the latest technologies for economizing the use of water and reduce its utilization of water in its industry/unit as much as possible.
- The Chief Engineers shall ensure that the exact utilization of water by the 28) allotted industries is measured and accounted for.
- 29) Commerce and Industries Department examine and standardize the requirement of water of various type of Industries based on new technology. conjunction use, recycling. Also the Commerce and Industries Department/Energy Department should certify the requirement of water to the Industry/Thermal Power Plant (coal based, gas based, biomass based including co-generation in sugarcane factories).

It should be got ascertained that the Water current meter. Water meter calibration details and concerned Water consumption Log Register, are mbibed and quantity wise information be furnished against the present water consumption for having paid the water charges.

The karkhane/Institution should execute the agreement duly incorporating all the above terms and conditions and shall execute and furnish the necessary Undertaking Bond to the Executive Engineer.

Violation of any of the above terms and condition the Water Resources Department has the right to rescind this permission without giving any prior intimation, at any time without assigning any reasons.

> Yours faithfully. Sd/-xx (Veerendra K.) Under Secretary to the Government (Technical -4) Water Resources Department

Copy for information.:

1) M/s Vishwaraj Sugars, Bellad Bagewadi, Tal. Hukkeri, Dist. Belagavi, 591 305.

Chief Engineer, Water Resources Development Organization, 2) Anandrao Circle, Bengaluru.

lo. of Correction

S. NAGANUR

Belagavi Dist.

(Kamataka) Rego No Law 2625/2022

32)

[TRANSLATED FROM KANNADA TO ENGLISH]

GOVERNMENT OF

Vishwaraj Sugar Industries Limited, Bellad-Bagewadi Annexure 3 Piezo Well Monitoring Reports



CIN: L85110KA1995PLC017730

VSL/ENV/Monitoring Reports/2023-24/30/1931

11 Oct 2023

To
The Environmental Officer
Regional Office: Belagavi-2
Karnataka State Pollution Control Board
Plot No-3224/3, "Hanu
1st Floor, B K Collage Road, Chikkodi,
Belagavi District-591201,

Sir,
Subject: - Submission of Piezo well monitor reports of the month August 2023
Reg..

Our Industry is regularly monitoring the environmental activities and accordingly taken measures to protect the ecosystem. Please find attached monitoring reports from MoEFCC approved laboratory of our Industries.

Attached Reports.

August 2023

- 1) Piezo well Monitor reports (8 Nos)
- 2) Boilers Stack Emission Monitor report (1 No)

Thanking You, Your's faithfully,

Mukesh Kumar

(Executive Director)





Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto: 16:10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Donaut No.	: PAPL/EW-A1/08-23	Report Date : 05.09.2023
Report No. Sample Ref No.	: 01A/EW-A1/08-23	Sampling plan / SOP : -
Name of Industry	· Vishwarai Sugar Ind	ustries Ltd.
Address		- 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Piezometer No. 1 ction of the Compost Yard]	Sample Collected by : Client
Date of test completion		Date of sample Collection: 28August 2023
Sample Quantity & condi	tion: 1 lit	Date of sample receipt : 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	7.91	77.0	6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.6	NTU		IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	270	mg/l	22	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	28	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
8	Total Dissolved Solids	762	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	179	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	544	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	138	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	49	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	124.7	mg/l	-	IS:3025 (P-45) 1993
14	Potassium (as K)	3.5	mg/l		IS:3025 (P-45) 1993
15	% Na (Max)	33	%	60	By Calculation
16	Sodium Absorption Ratio	2.32		26	By Calculation
17	Residual Sodium Carbonate	-5.58	meq/l	2.5	By Calculation
18	Electrical Conductivity	1381	μmhos/ cm	2250	IS:3025 (P-14) 1984

Note: This test report may not be produced in part or full, without the permission of this laboratory. This test report refers only to the sample submitted for the testing.

AUTHORIZED SIGNATORY

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A2/08-23	Report Date : 05.09.2023
Sample Ref No.	: 02A/EW-A2/08-23	Sampling plan / SOP : -
Name of industry	: Vishwaraj Sugar Ind	ustries Ltd.
Address		- 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Piezometer No. 2 tion of the Compost Yard]	Sample Collected by : Client
Date of test completion		Date of sample Collection: 28 August 2023
Sample Quantity & conditi	on: 1 lit	Date of sample receipt : 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	7.90		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.4	NTU		IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	259	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	25	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
8	Total Dissolved Solids	723	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	174	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	528	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	122	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	54	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	121.4	mg/l		IS:3025 (P-45) 1993
14	Potassium (as K)	3.3	mg/l		IS:3025 (P-45) 1993
15	% Na (Max)	33.21	%	60	By Calculation
16	Sodium Absorption Ratio	2.3		26	By Calculation
	Residual Sodium Carbonate	-5.42	meq/l	2.5	By Calculation
17	Electrical Conductivity	1295	μmhos/ cm	2250	IS:3025 (P-14) 1984

Note: This test report may not be produced in part or full, without the permission of this laboratory. This test report refers only to the sample submitted for the testing.

ANALYSED BY Abbreviations:-

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

'PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A3/08-23	Report Date : 05.09.2023
Sample Ref No.	: 03A/EW-A3/08-23	Sampling plan / SOP : -
Name of Industry	· Vishwarai Sugar Indu	stries Ltd.
Address	: A/p. Bellad-Bagewadi	- 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample : Pic	ezometer No. 3 ection of the Compost Yard]	Sample Collected by : Client
Date of test completi		Date of sample Collection: 28 August 2023
Sample Quantity & cond	ition: 1 lit	Date of sample receipt : 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	7.93		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.8	NTU	-	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	285	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	30	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	155	IS:3025 (P-44) 1993
8	Total Dissolved Solids	835	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	210	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	590	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	156	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	48	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	132.3	mg/l		IS:3025 (P-45) 1993
-	Potassium (as K)	3.7	mg/l		IS:3025 (P-45) 1993
14	% Na (Max)	32.72	%	60	By Calculation
15	Sodium Absorption Ratio	2.37		26	By Calculation
16	Residual Sodium Carbonate	-6.1	meq/l	2.5	By Calculation
17	Electrical Conductivity	1430	μmhos/cm	2250	IS:3025 (P-14) 1984

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This test report refers only to the sample submitted for the testing.

YSED BY Abbreviations:-

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A4/08-23	Tropics -	5.09.2023
Sample Ref No.	: 04A/EW-A4/08-23	Sampling plan / SOP : -	
Name of Industry	· Vishwarai Sugar Indi	istries Ltd.	2 2 D I
Address		– 591305, (Tq)- Hukkeri, (I	Ost)- Belgaum.
Name of Sample : Pie	ezometer No. 4 ection of the Compost Yard]	Sample Collected by	: Client
Date of test completi		Date of sample Collection	on: 28 August 2023
Sample Quantity & cond	ition: 1 lit	Date of sample receipt	: 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	7.57		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.1	NTU		IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	254	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	23	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
8	Total Dissolved Solids	668	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	165	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	490	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	146	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	31	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	115.6	mg/l		IS:3025 (P-45) 1993
14	Potassium (as K)	2.7	mg/l		IS:3025 (P-45) 1993
15	% Na (Max)	33.66	%	60	By Calculation
16	Sodium Absorption Ratio	2.26		26	By Calculation
	Residual Sodium Carbonate	-4.8	meq/l	2.5	By Calculation
17	Electrical Conductivity	1240	μmhos/cm	2250	IS:3025 (P-14) 1984

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ALYSED BY Abbreviations:-

ZED SIGNATORY



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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

	1 20 1 112		
Report No.		report 2	05.09.2023
Sample Ref No.	: 05A/EW-A5/08-23	Sampling plan / SOP:	
Name of Industry	: Vishwaraj Sugar Indu	stries Ltd.	D.A. Dalassess
Address		- 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Piezometer No. 5 [Near Compost Yard Canal]	Sample Collected by	: Client
Date of test comple		Date of sample Collecti	on: 28 August 2023
Sample Quantity & con	ndition : 1 lit	Date of sample receipt	: 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
	pH @ 25 °C	8.05		6.5 - 8.5	IS:3025 (P-11) 1983
3		2.4	NTU		IS:3025 (P-10) 1984
4	Turbidity Total Alkalinity (as CaCO ₃)	190	mg/l		IS:3025 (P-23) 1986
5		18	mg/l		IS:3025 (P-58) 2006
6	Chemical Oxygen Demand	< 4	mg/l		IS:3025 (P-44) 1993
7	B.O.D. (3day's at 27°C)	435	mg/l	2100	IS:3025 (P-16) 1984
8	Total Dissolved Solids	104	mg/l	600	IS:3025 (P-32) 1988
9	Chlorides (as Cl)	294	mg/l		IS:3025 (P-21) 1983
10	Hardness (as CaCO ₃)	76	mg/l		IS:3025 (P-40) 1991
11	Calcium (as Ca)				IS:3025 (P-46) 1994
12	Magnesium (as Mg)	25	mg/l		IS:3025 (P-45) 1993
13	Sodium (as Na)	67.3	mg/l		IS:3025 (P-45) 1993
14	Potassium (as K)	4.2	mg/l		
15	% Na (Max)	32.94	%	60	By Calculation
16	Sodium Absorption Ratio	1.71		26	By Calculation
17	Residual Sodium Carbonate	-2.08	meq/l	2.5	By Calculation
18	Electrical Conductivity	738	μmhos/cm	2250	IS:3025 (P-14) 1984

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2023

PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A6/08-23	Report Date : 0)5.09.2023
Sample Ref No.	: 06A/EW-A6/08-23	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Indu	istries Ltd.	
Address	: A/p. Bellad-Bagewadi -	- 591305, (Tg)- Hukkeri, (Dst)- Belgaum.
Name of Sample Near Dis	: Piezometer No. 6 tillery Spentwash Lagoon 1]	Sample Collected by	: Client
Date of test completi		Date of sample Collection	on: 28 August 2023
Sample Quantity & cond		Date of sample receipt	: 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	8.03		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.7	NTU	×	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	295	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	33	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
8	Total Dissolved Solids	941	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	284	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	718	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	204	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	51	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	141.3	mg/l		IS:3025 (P-45) 1993
14	Potassium (as K)	4.5	mg/l		IS:3025 (P-45) 1993
15	% Na (Max)	29.77	%	60	By Calculation
16	Sodium Absorption Ratio	2.29		26	By Calculation
17	Residual Sodium Carbonate	-8.55	meq/l	2.5	By Calculation
18	Electrical Conductivity	1560	μmhos/cm	2250	IS:3025 (P-14) 1984

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CIN: U73100MH1995PTC092502

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PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A7/08-23	Report Date :	05.09.2023
Sample Ref No.	: 07A/EW-A7/08-23	Sampling plan / SOP : -	•
Name of Industry	: Vishwaraj Sugar Indu	istries Ltd.	n 1 n 1
Address	: A/p. Bellad-Bagewadi -	– 591305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample	: Piezometer No. 7 wash Lagoon Down Stream]	Sample Collected by	: Client
Date of test completi		Date of sample Collecti	on: 28 August 2023
Sample Quantity & cond	lition: 1 lit	Date of sample receipt	: 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	8.18		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.9	NTU		IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	325	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	34	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l		IS:3025 (P-44) 1993
8	Total Dissolved Solids	923	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	306	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	762	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	206	.mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	60	mg/l		IS:3025 (P-46) 1994
13	Sodium (as Na)	147.3	mg/l	(1200)	IS:3025 (P-45) 1993
14	Potassium (as K)	4.8	mg/l		IS:3025 (P-45) 1993
15	% Ha (Max)	29.45	%	60	By Calculation
16	Sodium Absorption Ratio	2.32		26	By Calculation
17	Residual Sodium Carbonate	-8.8	meq/l	2.5	By Calculation
18	Electrical Conductivity	1594	μmhos/cm	2250	IS:3025 (P-14) 1984

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PAPL/FRM/064

TEST REPORT

Report No.	: PAPL/EW-A8/08-23	Report Date :	05.09.2023
	: 08A/EW-A8/08-23	Sampling plan / SOP:	-
Name of Industry	: Vishwaraj Sugar Ind	ustries Ltd.	
Address	: A/p. Bellad-Bagewadi	- 591305, (Tq)- Hukkeri,	(Dst)- Belgaum.
Name of Sample	: Piezometer No. 8 [Near Cane yard side]	Sample Collected by	: Client
Date of test completion		Date of sample Collecti	ion: 28 August 2023
Sample Quantity & conditio		Date of sample receipt	: 29 August 2023

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	IS:2296 Standards	Test Method
1	Color	< 5	Hazen		IS:3025 (P-4) 1983
2	Odor	Agreeable			IS:3025 (P-5) 1983
3	pH @ 25 °C	7.97		6.5 - 8.5	IS:3025 (P-11) 1983
4	Turbidity	2.4	NTU		IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	255	mg/l		IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	30	mg/l		IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	177	IS:3025 (P-44) 1993
8	Total Dissolved Solids	769	mg/l	2100	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	190	mg/l	600	IS:3025 (P-32) 1988
10	Hardness (as CaCO ₃)	570	mg/l		IS:3025 (P-21) 1983
11	Calcium (as Ca)	165	mg/l		IS:3025 (P-40) 1991
12	Magnesium (as Mg)	38	mg/l		IS:3025 (P-46) 1994
13 .	Sodium (as Na)	119.3	ıng/l		IS:3025 (P-45) 1993
14	Potassium (as K)	3.8	mg/l		IS:3025 (P-45) 1993
15	% Na (Max)	31.16	%	60	By Calculation
16	Sodium Absorption Ratio	2.17		26	By Calculation
17	Residual Sodium Carbonate	-6.31	meq/l	2.5	By Calculation
18	Electrical Conductivity	1405	μmhos/cm	2250	IS:3025 (P-14) 1984

Note: This test report may not be produced in part or full, without the permission of this laboratory.

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CIN U73100MH1995PTC092502

NASL Accreditation Certificate No. TC-5088 Watel (etc.) 31 12:2023

AIR-F-005

CERTIFICATE OF ANALYSIS

ANALYSIS REPORT FOR STACK EMISSION

Sample / Report Ref. No.	1269A/A-493A/07-23
Work Order No.	
Report Date	08/08/2023
Name of Industry Address;	M/s. Vishwaraj Sugar Industries Ltd. Bellad-Begewadi -591305, (Tq) – Hukkeri, Dist – Belgaum.
Sample Collected by	PADMAJA AEROBIOLOGICALS PVT. LTD.
Date of Sampling	31/07/2023

PARTICULARS OF STACK

Stack Attached to	Boiler (10 & 12 TPH)
Stack Diameter (Meter)	0.90
Stack Height (Meter)	43.0
Stack Temperature (°C)	132
Stack Velocity of Flue Gases (m/s)	77
Stack Volume of Flue Gases (Nm 1/hr)	12947
Type of Fuel	Biogas

POLLUTION	PARAM	ETERS	
Result	Limit	Unit	Method used
25.7	100.0	mg/Nm ³	IS-11255 (Part 1) 1985
	Result	Result Limit	26.7

Instrument used: - Polltech make Model PEM - SMK 10B, ID. No. PAPL/LAB/076 Instrument Calibration Due date: - 20/04/2024.

NS:-Not Specified

Analyst

MILL Reviewed by

Authorized Signatory



CIN: L85110KA1995PLC017730

VSIL/Env/Piezo Report/2024-25/03/ H 6H

Date:-27 May 2024

To
The Regional Officer
MOEF & CC
Regional Office (Southern Zone)
Kendriya Sadan, IV Floor, E&F Wing
17th Main Road,
II Block Koramangala,
Bengaluru – 560034

Sir,
Subject: Submission of Piezo Reports Reg...

For your kind perusal please find attached Piezo Well sampling reports and trend analysis as per our Environmental Clearance specific condition #16, of March and April 2024.

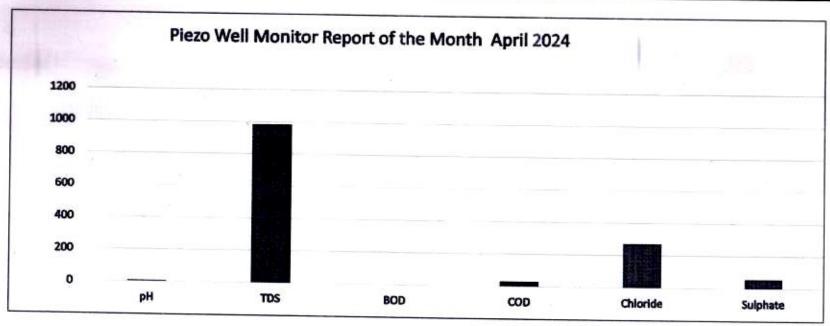
Copy To: Regional Office KSPCB Chikkodi.

> Thanking You, Your's faithfully,

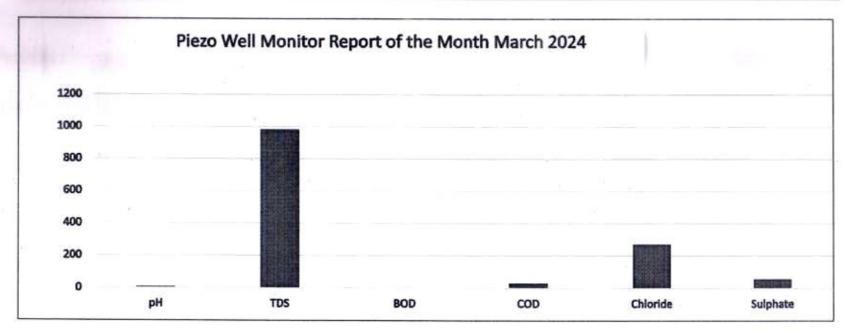
Mukesh Kumar (Executive Director)



		vishwaraj Suj	gar Industries L	imited, pizo we	II Monitoring r	eport April 202	24	
Parameters	Piezo Well 1	Piezo Well 2	Piezo Well 3			Piezo Well 6	Piezo Well 7	Piezo Well 8
pH	7.93	7.87	7.8	7.63	7.91	7.47	8.12	7.93
TDS	910	984	1136	940	734	1291	1320	992
BOD	<4	<4	<4	<4	<4	<4	<4	<4
COD	34	29	35	28	23	34	37	
Chloride	260	231	315	216	181	466	-	29
Sulphate	54	57	61	48	39	72	491 67	285 48



	Vishwaraj Sugar Industries Limited, pizo well Monitoring report March 2024							
Parameters	Piezo Well 1	Piezo Well 2	Piezo Well 3	Piezo Well 4	Piezo Well 5	Piezo Well 6	Piezo Well 7	Piezo Well 8
рН	7.95	7.88	7.81	7.6	7.97	7.43	8.1	7.95
TDS	984	962	1075	905	712	1278	1295	1045
BOD	<4	<4	<4	<4	<4	<4	<4	<4
COD	31	28	32	25	21	38	39	32
Chloride	271	215	290	226	176	460	476	305
Sulphate	58	49	53	42	37	67	60	52





VSIL/Env/Piezo Report/2024-25/03/14614

Date:-27 May 2024

To,
The Environmental Officer
Regional Office: Belagavi-2
Karnataka State Pollution Control Board
No 6816/1/P-5 "Hari Nagar"
Near PWD office
Nippani Road, Chikkodi,
Belagavi District-591201,

Sir,
Sub :- Submission of Piezo and Effluent Monitoring Reports and Reg...

For your kind perusal please find attached Piezo Well sampling reports and trend report as per our environmental clearance specific condition # 16, of the month March and April 2024

MailedTo: RO Office MoEFCC Bengaluru.

> Thanking You, Your's faithfully,

Mukesh Kumar (Executive Director)





Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto: 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A3/03-24	Report Date : (05 April 2024	
Sample Ref No.	: 03A/EW-A3/03-24	Sampling plan / SOP : -		
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.		
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)	- Belgaum.	
Name of Sample Piezometer No. 1 - Ea	: LJ-3- ast direction of the Compost Yard	Date of sample Collection :27 March 202		
	ondition: Received 1000ml	Date of sample receipt	: 28 March 2024	
Sample Submitted By	: SFC Lab	Analysis Start Date	: 29 March 2024	
		Analysis End Date	: 04 April 2024	

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-3	Piezometer No. 1 - East direction of the Compost Yard	16°16'47''N	74°42'26"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	2.00	IS:3025 (P-5) 1983
3	pH @ 25 °C	7.95		IS:3025 (P-11) 1983
4	Turbidity	2.9	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	295	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	31	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	984	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	271	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	58	mg/l	IS:3025 (P-24) 1986

Remark:

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A4/03-24	Report Date :	05 April 2024
Sample Ref No.	: 04A/EW-A4/03-24	Sampling plan / SOP :	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No.2 - We	: LJ-4 - est direction of the Compost Yard	Date of sample Collecti	on :27 March 2024
Sample Quantity & Co sample in sealed and into	ondition: Received 1000ml tact plastic container	Date of sample receipt	: 28 March 2024
Sample Submitted By	: SFC Lab	Analysis Start Date	: 29 March 2024
		Analysis End Date	: 04 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-4	Piezometer No. 2 - West direction of the Compost Yard	16°16'48''N	74°42'21"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	pH @ 25 °C	7.88		IS:3025 (P-11) 1983
4	Turbidity	2:7	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	270	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	28	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	962	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	215	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	49	mg/l	IS:3025 (P-24) 1986

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A5/03-24		05 April 2024
Sample Ref No.	: 05A/EW-A5/03-24	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Industr	ries Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	91305, (Tq)- Hukkeri, (Dst)	- Belgaum.
Name of Sample	: LJ-5 - outh direction of the Compost Yard	Date of sample Collection	on:27 March 2024
Sample Quantity & (Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 28 March 2024
Sample Submitted B		Analysis Start Date	: 29 March 2024
		Analysis End Date	: 04 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-5	Piezometer No. 3 - South direction of the Compost Yard	16°16'43''N	74°42'24"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	-	IS:3025 (P-5) 1983
3	pH @ 25 °C	7.81		IS:3025 (P-11) 1983
4	Turbidity	3.2	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	305	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	32	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1075	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	290	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	53	mg/l	IS:3025 (P-24) 1986

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A6/03-24	Report Date :	05 April 2024
Sample Ref No.	: 06A/EW-A6/03-24	Sampling plan / SOP:	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 4 - No	: LJ-6 - rth direction of the Compost Yard	Date of sample Collecti	on :27 March 2024
	ondition: Received 1000ml	Date of sample receipt	: 28 March 2024
Sample Submitted By		Analysis Start Date	: 29 March 2024
		Analysis End Date	: 04 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-6	Piezometer No. 4 - North direction of the Compost Yard	16°16'51''N	74°42'24"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	-	IS:3025 (P-5) 1983
3	pH @ 25 °C	7.60		IS:3025 (P-11) 1983
4	Turbidity	2.5	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	260	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	25	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	905	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	226	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	42	mg/l	IS:3025 (P-24) 1986

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CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A11/03-24	Report Date :	05 April 2024
Sample Ref No.	: 11A/EW-A11/03-24	Sampling plan / SOP:	-
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.	
Address	: A/p. Bellad-Bagewadi - 5	91305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 5 - Nea	: LJ-7 - ar Compost Yard Canal	Date of sample Collecti	on :27 March 2024
	ndition: Received 1000ml	Date of sample receipt	: 28 March 2024
Sample Submitted By	: SFC Lab	Analysis Start Date	: 29 March 2024
		Analysis End Date	: 04 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-7	Piezometer No. 5 - Near Compost Yard Canal	16°16'39"N	74°42'23"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	227	IS:3025 (P-5) 1983
3	pH @ 25 °C	7.97		IS:3025 (P-11) 1983
4	Turbidity	2.3	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	205	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	21	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	712	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	176	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	37	mg/l	IS:3025 (P-24) 1986

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A12/03-24	210	05 April 2024	
Sample Ref No.	: 12A/EW-A12/03-24	Sampling plan / SOP : -		
Name of Industry	: Vishwarai Sugar Indust	ries Ltd.		
Address	: A/p. Bellad-Bagewadi - 5	591305, (Tq)- Hukkeri, (Dst)- Belgaum.		
Name of Sample	: LJ-8 - ear Distillery Spentwash Lagoon 1	Date of sample Collection :27 March 202		
Sample Quantity & C sample in sealed and in	Condition: Received 1000ml	Date of sample receipt	: 28 March 2024	
Sample Submitted By		Analysis Start Date	: 29 March 2024	
Dampie Davintee D		Analysis End Date	: 04 April 2024	

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref.	Description	Latitude	Longitude
1	LJ-8	Piezometer No. 6 - Near Distillery Spentwash Lagoon 1	16°16'36''N	74°42'27"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	pH @ 25 °C	7.43	-	IS:3025 (P-11) 1983
4	Turbidity	2.1	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	310	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	38	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1278	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	460	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	67	mg/l	IS:3025 (P-24) 1986

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CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A13/03-24	Report Date :	05 April 2024
Sample Ref No.	: 13A/EW-A13/03-24	Sampling plan / SOP:	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 7 - Nea	: LJ-9 - r Spentwash Lagoon Down Stream	Date of sample Collect	ion:27 March 2024
Sample Quantity & C sample in sealed and in	Condition: Received 1000ml	Date of sample receipt	: 28 March 2024
Sample Submitted By		Analysis Start Date	: 29 March 2024
		Analysis End Date	: 04 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-9	Piezometer No. 7 - Near Spentwash Lagoon Down Stream	16°16'38''N	74°42'27"E

TEST RESULT

Test Parameter	Result	Unit	Test Method
Color	< 5	Hazen	IS:3025 (P-4) 1983
Odor	Agreeable	1	IS:3025 (P-5) 1983
pH @ 25 °C	8.10		IS:3025 (P-11) 1983
Turbidity	3.2	NTU	IS:3025 (P-10) 1984
Total Alkalinity (as CaCO ₃)	330	mg/l	IS:3025 (P-23) 1986
Chemical Oxygen Demand	39	mg/l	IS:3025 (P-58) 2006
B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
Total Dissolved Solids	1295	mg/l	IS:3025 (P-16) 1984
Chlorides (as Cl)	476	mg/l	IS:3025 (P-32) 1988
Sulphate (as SO ₄)	60	mg/l	IS:3025 (P-24) 1986
	Color Odor pH @ 25 °C Turbidity Total Alkalinity (as CaCO ₃) Chemical Oxygen Demand B.O.D. (3day's at 27°C) Total Dissolved Solids Chlorides (as Cl)	Color < 5 Odor Agreeable pH @ 25 °C 8.10 Turbidity 3.2 Total Alkalinity (as CaCO3) 330 Chemical Oxygen Demand 39 B.O.D. (3day's at 27°C) < 4	Color < 5 Hazen Odor Agreeable pH @ 25 °C 8.10 Turbidity 3.2 NTU Total Alkalinity (as CaCO3) 330 mg/l Chemical Oxygen Demand 39 mg/l B.O.D. (3day's at 27°C) < 4

Remark:

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NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A14/03-24	Report Date :	05 April 2024	
Sample Ref No.	: 14A/EW-A14/03-24	Sampling plan / SOP : -		
Name of Industry	: Vishwaraj Sugar Industries Ltd.			
Address	: A/p. Bellad-Bagewadi - 591305, (Tq)- Hukkeri, (Dst)- Belgaum.			
Name of Sample Piezon	: LJ-10 - neter No. 8 - Near Cane yard side	Date of sample Collection :27 March 2024		
	Condition: Received 1000ml	Date of sample receipt	: 28 March 2024	
Sample Submitted B	y : SFC Lab	Analysis Start Date	: 29 March 2024	
		Analysis End Date	: 04 April 2024	

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LJ-10	Piezometer No. 8 - Near Cane yard side	16°16'47''N	74°42'27"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	pH @ 25 °C	7.95		IS:3025 (P-11) 1983
4	Turbidity	2.3	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	270	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	32	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1045	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	305	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	52	mg/l	IS:3025 (P-24) 1986

Remark:

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CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A3/04-24	Report Date :	26 April 2024
Sample Ref No.	: 03A/EW-A3/04-24	Sampling plan / SOP:	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 1 - E	: LP-3 – East direction of the Compost Yard	Date of sample Collecti	on :20 April 2024
Sample Quantity & O	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 21 April 2024
Sample Submitted B	y : SFC Lab	Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-3	Piezometer No. 1 - East direction of the Compost Yard	16°16'47"N	74°42'26"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method	
1	Color	< 5	Hazen	IS:3025 (P-4) 1983	
2	Odor	Agreeable		IS:3025 (P-5) 1983	
3	pH @ 25 °C	7.93		IS:3025 (P-11) 1983	
4	Turbidity	2.8	NTU	IS:3025 (P-10) 1984	
5	Total Alkalinity (as CaCO ₃)	290	mg/l	IS:3025 (P-23) 1986	
6	Chemical Oxygen Demand	34	mg/l	IS:3025 (P-58) 2006	
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993	
8	Total Dissolved Solids	910	mg/l	IS:3025 (P-16) 1984	
9	Chlorides (as Cl)	260	mg/I	IS:3025 (P-32) 1988	
10	Sulphate (as SO ₄)	54	mg/l	IS:3025 (P-24) 1986	

Remark:

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PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A4/04-24	Report Date :	26 April 2024
Sample Ref No.	: 04A/EW-A4/04-24	Sampling plan / SOP :	
Name of Industry	: Vishwaraj Sugar Industri	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 2 - W	: LP-4 – lest direction of the Compost Yard	Date of sample Collecti	e bankaran merenakanan
Sample Quantity & C sample in sealed and in	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 21 April 2024
Sample Submitted By	: SFC Lab	Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-4	Piezometer No. 2 - West direction of the Compost Yard	16°16'48"N	74°42'21"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	pH @ 25 °C	7.87		IS:3025 (P-11) 1983
4	Turbidity	3.2	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	285	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	29	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	984	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	231	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	57	mg/l	IS:3025 (P-24) 1986

Remark:

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CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A5/04-24	Report Date ::	26 April 2024
Sample Ref No.	: 05A/EW-A5/04-24	Sampling plan / SOP : -	
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)	- Belgaum.
Name of Sample Piezometer No. 3 - So	: LP-5 – uth direction of the Compost Yard	Date of sample Collection	on: 20 April 2024
	Condition: Received 1000ml ntact plastic container	Date of sample receipt	: 21 April 2024
Sample Submitted By	y : SFC Lab	Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-5	Piezometer No. 3 - South direction of the Compost Yard	16°16'43''N	74°42'24"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	pH @ 25 °C	7.80		IS:3025 (P-11) 1983
4	Turbidity	3.1	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	310	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	35	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1136	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as CI)	315	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	61	mg/l	IS:3025 (P-24) 1986

Remark:

Note: This test report may not be produced in part or full, without the permission of this laboratory.

This test report refers only to the sample submitted for the testing.

ANALYSED BY
Abbreviations:-

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Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A6/04-24	Report Date : 2	26 April 2024
Sample Ref No.	: 06A/EW-A6/04-24	Sampling plan / SOP : -	•
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	01305, (Tq)- Hukkeri, (Dst))- Belgaum.
Name of Sample Piezometer No. 4 - No	: LP-6 – rth direction of the Compost Yard	Date of sample Collection	on: 20 April 2024
	Condition: Received 1000ml	Date of sample receipt	: 21 April 2024
Sample Submitted By		Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-6	Piezometer No. 4 - North direction of the Compost Yard	16°16'51"N	74°42'24"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method	
1	Color	< 5	Hazen	IS:3025 (P-4) 1983	
2	Odor	Agreeable		IS:3025 (P-5) 1983	
3	pH @ 25 °C	7.63		IS:3025 (P-11) 1983	
4	Turbidity	2.7	NTU	IS:3025 (P-10) 1984	
5	Total Alkalinity (as CaCO ₃)	275	mg/l	IS:3025 (P-23) 1986	
6	Chemical Oxygen Demand	28	mg/l	IS:3025 (P-58) 2006	
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993	
8	Total Dissolved Solids	940	mg/l	IS:3025 (P-16) 1984	
9	Chlorides (as Cl)	216	mg/l	IS:3025 (P-32) 1988	
10	Sulphate (as SO ₄)	48	mg/l	IS:3025 (P-24) 1986	

Remark:

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Abbreviations:-



Public Testing Laboratory

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Gazette Notification No. S.O.3744(E) Valid upto: 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A11/04-24	Report Date ::	26 April 2024
Sample Ref No.	: 11A/EW-A11/04-24	Sampling plan / SOP : -	1
Name of Industry	: Vishwaraj Sugar Indust	ries Ltd.	
Address	: A/p. Bellad-Bagewadi - 5	91305, (Tq)- Hukkeri, (Dst))- Belgaum.
Name of Sample Piezometer No. 5 - N	: LP-7 - lear Compost Yard Canal	Date of sample Collection :20 April 202	
	Condition: Received 1000ml	Date of sample receipt	: 21 April 2024
Sample Submitted By		Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-7	Piezometer No. 5 - Near Compost Yard Canal	16°16'39''N	74°42'23"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method		
1	Color	< 5	Hazen	IS:3025 (P-4) 1983		
2	Odor	Agreeable	1022	IS:3025 (P-5) 1983		
3	pH @ 25 °C	7.91		IS:3025 (P-11) 1983		
4	Turbidity	2.5	NTU	IS:3025 (P-10) 1984		
5	Total Alkalinity (as CaCO ₃)	210	mg/l	IS:3025 (P-23) 1986		
6	Chemical Oxygen Demand	23	mg/l	IS:3025 (P-58) 2006		
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993		
8	Total Dissolved Solids	734	mg/l	IS:3025 (P-16) 1984		
9	Chlorides (as Cl)	181	mg/l	IS:3025 (P-32) 1988		
10	Sulphate (as SO ₄)	39	mg/l	IS:3025 (P-24) 1986		

Remark:

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Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A12/04-24	Report Date :	26 April 2024
Sample Ref No.	: 12A/EW-A12/04-24	Sampling plan / SOP :	•
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 6 - N	: LP-8 – ear Distillery Spentwash Lagoon 1	Date of sample Collection :20 April 2024	
	Condition: Received 1000ml	Date of sample receipt	: 21 April 2024
Sample Submitted By		Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-8	Piezometer No. 6 - Near Distillery Spentwash Lagoon 1	16°16'36''N	74°42'27"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	200	IS:3025 (P-5) 1983
3	pH @ 25 °C	7.47		IS:3025 (P-11) 1983
4	Turbidity	2.2	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	325	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	34	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1291	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	466	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	72	mg/l	IS:3025 (P-24) 1986

Remark:

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Abbreviations:-



Public Testing Laboratory

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Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A13/04-24	Report Date :	26 April 2024
Sample Ref No.	: 13A/EW-A13/04-24	Sampling plan / SOP:	-
Name of Industry	: Vishwaraj Sugar Industr	ies Ltd.	
Address	: A/p. Bellad-Bagewadi - 59	1305, (Tq)- Hukkeri, (Dst)- Belgaum.
Name of Sample Piezometer No. 7 - Near	: LP-9 - Spentwash Lagoon Down Stream	Date of sample Collecti	ion :20 April 2024
Sample Quantity & C sample in sealed and in	ondition: Received 1000ml stact plastic container	Date of sample receipt	: 21 April 2024
Sample Submitted By	: SFC Lab	Analysis Start Date	: 22 April 2024
91 0		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-9	Piezometer No. 7 - Near Spentwash Lagoon Down Stream	16°16'38''N	74°42'27"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable	2.	IS:3025 (P-5) 1983
3	pH @ 25 °C	8.12		IS:3025 (P-11) 1983
4	Turbidity	3.4	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	340	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	37	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	1320	mg/I	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	491	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	67	mg/l	IS:3025 (P-24) 1986

Remark:

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Public Testing Laboratory

Recognised by Ministry of Environment Forest & Climate Change (MoEFCC)

Gazette Notification No. S.O.3744(E) Valid upto : 16.10.2024 ISO 9001 : 2015, ISO 45001:2018 Certified

CIN: U73100MH1995PTC092502

NABL Accreditation Certificate No. TC-5088 Valid upto 31.12.2025

PAPL/FRM/064

CERTIFICATE OF ANALYSIS

Report No.	: PAPL/EW-A14/04-24	Report Date :	26 April 2024
Sample Ref No.	: 14A/EW-A14/04-24	Sampling plan / SOP : -	•
Name of Industry	: Vishwaraj Sugar Industr		
Address	: A/p. Bellad-Bagewadi - 59	91305, (Tq)- Hukkeri, (Dst))- Belgaum.
Name of Sample	: LP-10 - leter No. 8 - Near Cane yard side	Date of sample Collection: 20 April 2024	
	Condition: Received 1000ml	Date of sample receipt	: 21 April 2024
Sample Submitted By		Analysis Start Date	: 22 April 2024
		Analysis End Date	: 25 April 2024

Name of Sample: Details of Piezometer monitoring location

Sr. No.	Sample Ref. No.	Description	Latitude	Longitude
1	LP-10	Piezometer No. 8 - Near Cane yard side	16°16'47''N	74°42'27"E

TEST RESULT

Sr. No.	Test Parameter	Result	Unit	Test Method
1	Color	< 5	Hazen	IS:3025 (P-4) 1983
2	Odor	Agreeable		IS:3025 (P-5) 1983
3	рН @ 25 °C	7.93	-	IS:3025 (P-11) 1983
4	Turbidity	2.1	NTU	IS:3025 (P-10) 1984
5	Total Alkalinity (as CaCO ₃)	265	mg/l	IS:3025 (P-23) 1986
6	Chemical Oxygen Demand	29	mg/l	IS:3025 (P-58) 2006
7	B.O.D. (3day's at 27°C)	< 4	mg/l	IS:3025 (P-44) 1993
8	Total Dissolved Solids	992	mg/l	IS:3025 (P-16) 1984
9	Chlorides (as Cl)	285	mg/l	IS:3025 (P-32) 1988
10	Sulphate (as SO ₄)	48	mg/l	IS:3025 (P-24) 1986

Remark:

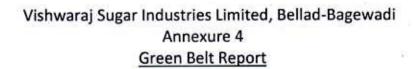
Note: This test report may not be produced in part or full, without the permission of this laboratory.

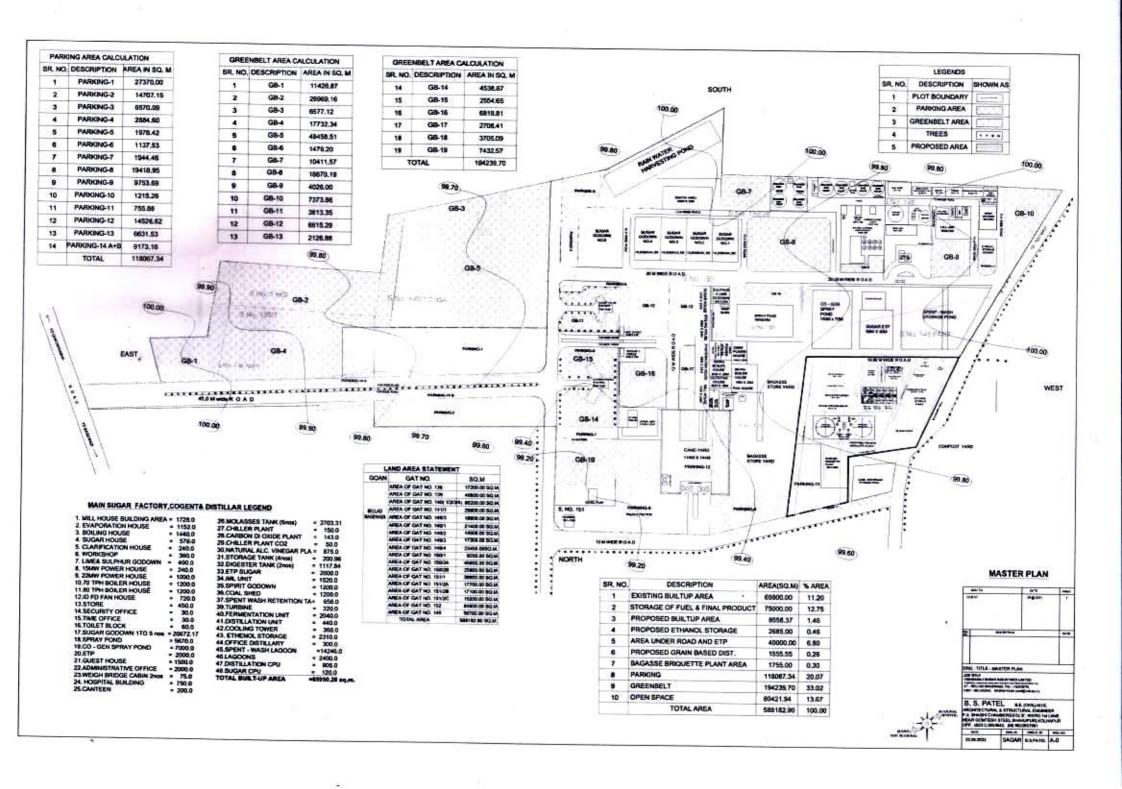
This test report refers only to the sample submitted for the testing.

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Abbreviations:-

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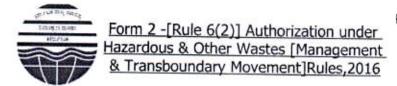
pse Ldl AUTHORIZED SIGNATORY





Code	Landmark	Total plantation of the season 2023-24
GB1	Down Tamarind Plot	20
GB2	Tamarind plot beside GB1	10
GB3	Ash Yard	165
GB4	Tamarind plot beside GB2	22
GB5	Factory farm (Opposite to Guest House)	1339
GB6	Vinegar area	40
G87	Between switch yard and molasses tanks	135
GB8	Old compost yard/scrap yard	70
GB9	JDPL yard	4
GB10	VSIL Mango farm	110
GB11	Guest house	25
GB12	Guest house backside	996
GB13	Sugar house beside open area	10
G814	Admin right side	10
GB15	Admin left side	10
GB16	Admin backside	80
GB17	Mill house beside open area	25
GB18	Old Switch yard	30
GB19	Beside Diesel Pump	116
1	Diesel pump backside	70
2	Cane yard	90
3	Godown front	30
4	Sparypond left side	60
5	Distillery gate right side	45
6	Compound Distillery to lagoon #3	98
7	Compost yard	233
8	Lagoon #2	6
9	ETP	6
10	Lagoon #3	93
11	Old Switch yard backside	30
12	waste lime area	40
13	Distillery Compound Laxmi Hill	85
	TOTAL	3948





KARNATAKA STATE POLLUTION CONTROL BOARDPlot No-3224/3, "Hanuman Nivas", 1st Floor, B.K.College Road,Chikkodi-591201Tele No:08338-275112

Authorization No: H-121963 Valid upto: 30/06/2026

(This document contains 3 pages excluding annexure)

Authorization No: H-121963

PCB ID: 10661

Date: 06/01/2023

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Authorization application submitted by the industry/organization on 06/01/2023 at Regional Office.

Profile approved by Regional Office Belgaum (Chikkodi)

 Proprietor of Vishwaraj Sugar Industries Ltd. is hereby granted an authorization for Generation, Selection, Reception, Storage, Transport or any other use of hazardous or other wastes or both on the premises situated at the location address: Sy no 136, 139, 140:1, 140:2, 140:3,140:4,141:1, 148:3, 149
 Industrial Area: Not In I.A Taluk: Hukkeri District: Chikkodi

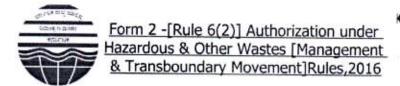
Details of Authorization:

Category of Hazardous waste as per the Schedule I,II & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
	5.1~Used Spent Oil	0.523	KLT	Shall be collected in leak proof containers and disposed to KSPCB authorized Re-processors/ Incinerator.
1	5.2~Wastes Residues Containing Oil	0.800	MTA	Shall be collected in leak proof containers and disposed to KSPCB authorized Re-processors/ Incinerator.

The authorization shall be valid for a period upto 30/06/2026

A. General Conditions of authorization:

- The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.
- The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.
- The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes and other wastes except what is permitted through this authorization and without obtaining prior permission of the KSPCB.
- Any unauthorized change in personnel, equipment or working conditions as mentioned in the application
 by the person authorized shall constitute a breach of this authorization.
- The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization
 is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and
 their possible impacts and also carry out mock drill in this regard at regular interval of time.
- The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".



KARNATAKA STATE POLLUTION CONTROL BOARDPlot No-3224/3, "Hanuman Nivas", 1st Floor, B.K.College Road, Chikkodi-591201Tele No:08338-275112

Authorization No: H-121963 Valid upto: 30/06/2026

(This document contains 3 pages excluding annexure)

- It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.
- The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental
 occurrence and its clean-up operation.
- · The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- An application for the renewal of an authorization shall be made '3' months before the date of expiry.
- The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.
- Karnataka State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this authorization or to suspend or cancel this authorization.
- The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.
- The authorized person shall maintain the records at site in Form-3 and shall submit the annual returns in Form-4 within 30th June every year for the Period April to March and manifest in Form-10.
- The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- The hazardous and other waste which gets generated during recycling or reuse or recovery or perprocessing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.
- The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).
- The Person Authorized shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
- Display Boards: The person authorized shall display sign boards at the storage site as "Hazardous Waste Storage Site" and "Danger" and the site shall be provided with accident preventive measures.

Additional Conditions:

General Conditions - are not applicable.

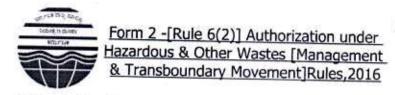
Regional Officer For and on behalf of the Karnataka State Pollution Control Board

This is Computer generated Authorization Order.

To The Occupier, Vishwaraj Sugar Industries Ltd. Sy no 136, 139, 140:1, 140:2, 140:3,140:4,141:1, 148:3, 149:1, 149:2, 149:3,149

COPY TO:

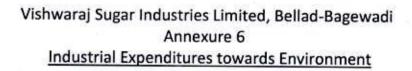
- The Environmental Officer, KSPCB, Regional Office, for information and to inspect the industry within 15 days of time.
- 2. Master copy (Dispatch).
- 3. Office copy.



KARNATAKA STATE POLLUTION CONTROL BOARDPlot No-3224/3, "Hanuman Nivas", 1st Floor, B.K.College Road,Chikkodi-591201Tele No:08338-275112

Authorization No: H-121963 Valid upto: 30/06/2026

(This document contains 3 pages excluding annexure)



Vishwaraj Sugar Industries Limited Bellad-Bagewadi Environmental Monitoring / Protection 2023

Details of the Year wise expenditure incurred for environmental safeguard and the activities undertaken.

Year	Fund Allocated in Rs.Crore	Actual Expenditure in Rs. Crore	Item equipped as per EMP	
2000-01	1.50	1.50	Anaerobic Digester	
2001-02	1.00	1.20	Construction of compost yard (Now it is in use)	
2005-06	4.00	3.50	Sugar Factory Effluent Treatment Plant	
2005-06	1.00	0.80	Concrete chimney of 73m length	
2005-06	0.80	0.60	For the installation of wet scrubber for fly ash control	
2009-10	1.20	1.10	For the installation of ESP	
2011-12	4.50	4.50	For the construction of concrete compost yard and renovation of the anaerobic digester	
2012-13	1.00	1.00	For the construction of lined lagoon1	
2013-14	1.20	1.20	For the construction of lined lagoon2	
2014-15	1.00	0.95	For the construction of excess Condensate Polishing unit	
2015-16	0.10	0.15	For the installation of online monitoring system for Sugar factory effluent	
2016-17	0.05	0.05	For the installation of Online monitoring system for stack emission in distillery boiler	
2016-17	0.03	0.03	For the installation of IP camera and flow meter in compost yard	
2017-18	0.15	0.15	Repair work of compost yard (Patch work)	
2018-19	4.5	4.30	Installation of New Bio digester(CSTR)	
2018-19	1.30	1.10	Erection of Distillery CPU Plant	
2018-19	4.50	4.20	Modification of MEE Plant	
2019-20	1.0	0.96	Modification of Old Bio digester into CSTR	
2019-20	0.20	0.19	Repairing and metalled roads to avoid dust emission.	
2020-21	0.50	0.40	Construction of Dyke wall towards spentwash lagoons as a safeguard. The work is still in progress.	
	Till Now	27.88 Crores		

- As an environmental protection Every year we are spending about 10-15 lakhs rupees (Water dispensing through vehicles) for the greenery development towards surrounding factory and hill plantation.
- Every year we are spending about 5-10 lakhs rupees to service and maintain the ESP (Electro Static Precipitator) and Wet scrubbers to further control emission and avoid pollution.
- For the shifting of solid waste such as Pressmud, Compost and Boiler ash we are utilising covered vehicles to avoid dust nuisance and for which are spending about 15 to 20 lakhs every season.
- To build a healthier working environment and hence workplace our Industry is conducting health camps for its employees and spending towards their treatments and PPE's

Vishwaraj Sugar Industries Limited, Bellad-Bagewadi
Annexure 7
Environmental Statement



CIN: L85110KA1995PLC017730

VSL/ENV/Form V/2022-23/27/1799

25 Sep 2023

To
The Environmental Officer
Regional Office: Belagavi-2
Karnataka State Pollution Control Board,
Plot No-3224/3, "Hanuman Nivas",
1st Floor, B K Collage Road, Chikkodi,
Belagavi District-591201,

Sir,

Subject: - Submission of the Environmental statement in Form V of the year 2022-23 Reg...

Please find attached environmental statement in the prescribed format of Form V of our Industry "Vishwaraj Sugar Industries Limited" Bellad –Bagewadi of the season 2022-23.

Thanking You, Your's Faithfully,

(Chief Operating Officer)



Environmental Statement Form -V

(See rule 14)

Environmental Statement for the financial year ending on 31st March 2023

Part - A

01	Name and address of the Owner / Occupier of the Industry. Operation or Process	Mr. Mukesh Kumar Executive Director Vishwaraj Sugar Industries Limited., Bellad-Bagewadi – 591 305 Tal: Hukkeri Dist: Belgaum		
02	Industry Category Primary (STC code) Secondary (STC code)		Red	
03	Production Category – Units.	Production Sugar Cane Crushing Co-Generation Distillery R S ENA Anhydrous Ethanol IML Bottling Natural Alcohol Vinegar Carbon di Oxide Plant	Units TCD MWhr KLPD KLPD KLPD Boxes/Day KLPD MTPD	Capacity 11000 .39 100 30 96 5000 75 15
04	Year of Establishment	Distillery Sugar Unit Co-Generation Plant IML Bottling Natural Alcohol Vineg Carbon di Oxide Plant		
05	Date of last Environmental Statement submitted	Septe	mber 2022	

Part - B

Water and Raw Material Consumption

1. Water consumption in cum/day

Sr No	Operation	During the previous year 2021-22	During the current Financial year 2022-23
Sugar			
01	Process	190	250
02	Domestic	20	40
Co-Generation			
01	Cooling and Boiler feed	250	400
Distillery			
01	Process	370	400
02	Cooling	70	200
03	Domestic	10.0	20

IML Bottling (Lea	ise)		
01	Process	43	43
Natural Alcohol	Vinegar		
01	Process	210	210
03	Domestic	0.5	0.5

2. Process Water Consumption per product output

SR	Name of Bandons	Unit		ter consumption per unit o product	
No N	Name of Product	Unit	During previous F/Y 2021-22	During current F/Y 2022-23	
01	Sugar	m3/Ton	0.28	0.38	
02	Power	m3/MW	0.34	0.51	
0.3	Distillery	m3/KL	4.10	5.2	
0.4	IML Bottling	m3/Box	0.00863	0.086	
05	Vinegar	m3/KL	4.13	6.25	

Raw Material Consumption

Sr No	Name of Raw Material	Units	Consumption of Raw Material Pe Unit of output		
			2021-22	2022-23	
		Sugar			
01	Sugar cane	MT/MT	10.93	11.82	
02	Lime	MT/MT	0.00129	0.00075	
03	Sulphur	MT/MT	0.00017	0.00014	
04	Mill Sanitation	MT/MT	0.0000103	0.0000114	
05	Magnaflock	MT/MT	0.00004160	0.0000043	
06	Turkey red oil	MT/MT	0.00000914	0.000017	
07	Viscosity reducer	MT/MT	0.0000190	0.0000015	
08	Color Coagulant	MT/MT	0.0000534	0.0000034	
09	Bleaching Powder	MT/MT	0.0000594	0.0000200	
10	Caustic Soda	MT/MT	0.0001288	0.0001772	
		Cogen power/u	init		
01	Bagasse	MT/Mwh	2.60	2.80	
02	Coal	MT/Mwh	Nit	Nil	
		Distillery			
01	Molasses B Heavy	MT/KL	3.17	3.16	
	Syrup	MT/KL	3.30	3.34	
02	Coal	MT/KL	0.6049	0.5203	
		IML Bottling			
01	Rectified Spirit	KL/Box	Nil	Nil	
	Maria de la constitución de la c	Natural Alcohol Vi	negar		
01	Spirit	KL/KL	0.122	0.119	

Note:

The IMFL unit is given on lease basis. ENA is purchased by the lessee from outside. The leaser gives only DM water.

Pollution discharged to Environment/unit of output

SI No	Pollutants	Quantity of pollutants Discharged	Concentration Discharged (mass/volume)	Percent of variation prescribed standard with reasons
		Sug	gar	
01	Sugar ETP outlet Wastewater(COD) Wastewater(BOD)	61.2 kg of COD/Day 24.5 kg of BOD/Day	85 mg/lit 34 mg/lit	Below Standard norms.(250 mg/l for COD & 100 mg/l for BOD)
02	Sugar CPU Outlet Wastewater(COD) Wastewater(BOD)	96kg of COD/Day 43 kg of BOD/Day	40 mg/lit 18 mg/lit	Below Standard norms.(250 mg/l for COD & 100 mg/l for BOD)
03	Air mg/Nm³ (PM)	531.3 Kg/day	70 mg/Nm3	Below Standard norms(< 100 mg/Nm3)
		Disti	llery	
01	Distillery CPU Outlet Wastewater(COD) Wastewater(BOD)	30.0 kg of COD/Day 12.6 kg of BOD/Day	50 mg/lit	Below Standard norms.(250 mg/l for COD & 100 mg/l for BOD)
02	Air mg/Nm³ (PM)	20.65 kg/ day	50 mg/Nm3	Below Standard norms(< 100 mg/Nm3)
-			ottling	
01	Waste Water	**	-	No Production

Part - D

HAZARDOUS WASTES

As specified under Hazardous wastes

(Management and Handling Rules, 1989)

		Total Quantity (Tones)		
SI No	Hazardous Wastes	During the previous year 2021-22	During the current Financial year 2022-23	
01	From Process		0.02	
02	From Pollution Control Facilities	(5.1 spent oil) =0.4 MT	0.28	

Part - E

SOLID WASTES

		Total Qua	intity in MT
SI No	Solid wastes	During the previous Financial year 2021-22	During the current Financial year 2022-23
	From	Process (By-Products)	
01	Bagasse	311120.69	297791.5

	Press mud	31449.26	31675.4
	Ash	4666.81	4466.0
		n Control Facilitie	
02	Biological Shidge (MT)	115	95
	Oil and Grease (MT)	0.4	0.3
	Quantity recycled or	reutilized within	the unit
	Bagasse as Fuel (MT)	254342	297791.5
	Press mud for compost (MT)	31405.2	31675.4
02:	Spent wash for compost (KL)	69100	69685.8
03	Ash for compost (MT)	3815	4466.0
	Biological sludge as seed in composting (MT)	115	95
	Waste oil & Grease-(Qty in MT) Supplied to the recycler	Nil	Nil

Part - F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Wastes: The Spent oil of 0.3 MT is sold to recycler. The ash is used in compost manufacturing.

Solid waste Characteristics: By-Products (Solid waste) Bagasse and Pressmud

SI No	Parameters	Press mud
01	рН	6.6 - 7.6
02	Nitrogen %	1.1 - 1.3
03	Phosphorous %	2.1 - 2.3
04	Potassium %	0.5 - 0.7
05	Organic Carbon	31 - 44

Part - G

Impact of the pollution control measure taken on conservation of natural resources and consequently on the cost of production

Emission Control Measures---15 Lakhs
Water and Waste water management----12 lakhs
Solid Waste management--- 17 Lakhs
Green House Drive ----10 Lakhs
Monitoring Aspects----08 Lakhs
Environment Cell & PR---7 Lakhs

About 69.0 Lakhs of rupees being spent on environmental safeguard in the year 2022-23

Part - H

Additional measures / investment proposal for environmental protection including abatement of pollution 100 KLPD Distillery productions started and CPU is commissioned along with Sugar Process CPU has been modified. The treated condensates are used as makeup water for cooling towers and process.

Part - I

Miscellaneous:

Any other particulars in respect of environmental protection and abatement of pollution, the Condensate Polishing Unit (CPU) for recycling the excess vapor condensate generated from sugar unit is reused in sugar and distillery process which reduce the raw water consumption in sugar unit.

Plantation (Plantation Details during the year 2022-23)

SI No	Name of the trees	Number planted
1	Bougainvillea	58
2	Coconut	30
3	Kanagale	30
4	Teak	45
5	Akesia	78
6	Daswal	14
7	Simorobha	44
8	Custard Apple	36
9	Peru	45
10	Lemon	33
11	Hibiscus	94
12	Bottle Brush	47
13	Sandal	74
14	Mango	31
15	Neem	47
16	Tamarind	61
17	Pongamia	108
18	Chikku	24
19	Koliyas	55
20	Almond	52
21	Hebbat	27
22	Sivani	36
23	Honni	65
24	Sisavi	74
25	Casuarina	81
26	Silver Oak	44
27	Sisama	74
28	Hameliya	91
29	Jakrapa -	44
TOTAL		1542

The plantation work is continued.

Vishwaraj Sugar Industries Limited, Bellad-Bagewadi Annexure 8 <u>EC Paper Advertisements</u>



CIN: L85110KA1995PLC017730

VSIL/GramPanchayat/2023-24/51/30\$7

Date: 13 Sep 2023

To

Panchayat Development Officer Gram Panchayat Bellad-Bagewadi-591305 Tal-Hukkeri Dist-Belagavi

Sir,

Subject: - Submission of Amended Environmental Clearance copy granted to our Distillery Expansion Dated 12 Sep 2023 Reg

Please find attached copy of amended environmental clearance granted by MoEFCC to our distillery expansion from 100 KLPD to 250 KLPD vide No IA-J-11011/465/2022-IA-II (I) Dated 12 Sep 2023, this is for your record and kindly acknowledge the receipt of the same.

Enclosure

1) EC Copy (Amended)

Regards,

Executive Director

(Mukesh Kumar)



VSIL/GramPanchayat/2023-24/46/3086

Date: 13 Jan 2023

To

Panchayat Development Officer Gram Panchayat Bellad-Bagewadi-591305 Tal-Hukkeri Dist-Belagavi

Sir,

Subject: - Submission of Environmental Clearance copy granted to our Distillery Expansion Dated 9 Jan 2023 Reg

Please find attached copy of environmental clearance granted by MoEFCC to our distillery expansion from 100 KLPD to 250 KLPD vide No IA-J-11011/465/2022-IA-II (I) Dated 9 Jan 2023, this is for your record and kindly acknowledge the receipt of the same.

Enclosure.

1) EC Copy

Regards,

Executive Birector (Mukesh Kumar)

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Vishwaraj Sugar Industries Limited, Bellad-Bagewadi Paper advertisement on EC Amendment EC No IA-J-11011/465/2022-IA-II(I)

Name of English News Paper: The New Sunday Express.

Name of Kannada News Paper : Vijayvani

 PUBLIC NOTICE

Wishwaraj Sugar Industries Limited, Bellad Vishwaraj Sugar Bagewadi, Tal Hukkeri, Dist Belagavi was granted Environment Clearance for the Expansion of Distillery capacity from 100 KLPD to 750 KLPD based on Sugarcane Syrup/°C" molasses; "B" Heavy Molasses as raw material and proposed 120 KLPD grain based distillery to produce ethanor vide File No. IA-I-1011/465/2022-IA-II(I). EC Identification No. EC23A022KA170830 dated 09/01/2023 and further the Industry was granted the Environment Clearance for Amendment vide F. No. IA-I-1011/465/2022-IA-II (I) dated 12/09/2023. The details of the Environment Clearance is available on www.parivesh.nic.in

Sd/- Executive Director, Vishwaraj Sugar Industries Limited

Vishwaraj Sugar Industries Limited, Bellad-Bagewadi Paper advertisement on EC grant EC No IA-J-11011/465/2022-IA-II(I)

Name of English News Paper: The New Indian Express.

Name of Kannada News Paper :Vijayvani

ಶಾಲುಕ್ ವಿಶ್ವರಿಂಬ್ ಜನರ ಇಂಡಕ್ಟೀಬ್ ಲಿಮಿಟೆಡ್ಡ್ ಮುಗುವಾಡಿ, ಶಾಲುಕ ಹುಕ್ಟೇರಿ, ಜಿಲ್ಲೆ ಬೆಳಗಾವಿ ಇವರಿಗೆ ಕಚ್ಚಿನ ರಸ್ಗ್'ಸಿ' ಕಾಕಂದ್ರಿ'ದಿ' ಭಾರೀ ಶಾಕಂಪ ಅನ್ನು ಕೆಚ್ಚಾ ವಸ್ತುವಾಗಿಸಿದ ಆಧಾರದ ಮೇಲೆ ಡಿಸ್ಟಿಲರಿ ಸಾಮರ್ಥ್ಯವನ್ನು 160 ಕೆಎಲ್ ಪಿಡಿಯಿಂದ 150 ಕಿಎಲ್ ಪಿಡಿಗೆ ವಿಸ್ತರಿಸಲು ಪರಿಸರ ಅನುಮತಿ ನೀಡಲಾಗಿದೆ ಮತ್ತು 69/81/2023 ದಿನಾಂಕದ ಫೈಲ್ ಸಂಖ್ಯೆ IA-ಎ-11011/465/1922-IA-H(1). EC ಗುರ್ಪತಿಗೆ ಪಂಖ್ಯೆ EC23&922KA19831 ಮೂಲಕ ಎಫ್ಎಎರ್ ಉತ್ಪಾದಿಸಲು 120 ಕೆಎಲ್ ಪಿಡಿ ಧಾನ್ಯ ಆಧಾರಿತ ವಿಶ್ವಲನಿಯನ್ನು ಪ್ರಸ್ತಾಪಿಸಿದೆ, ಪರಿಸರ ಅನುಮತಿ ವಿವರಗಣ www.panyesh.nic.in ನಲ್ಲಿ ಲಭ್ಯವಿದೆ

ಕಾರ್ಯನಿರ್ಬಾಹಕ ನಿರ್ದೇಶಕ, ವಿಶ್ವರಾಜ್ ಶಾಗರ್ ಇಂಡಪ್ರೀಸ್ ಲಿಮಿಟೆಡ್ **PUBLIC NOTICE**

Bagewadi, Tai Hukkeri, Dist Belagavi has been granted Environment Clearance for the Expansion of Distillery capacity from 100 KLPD to 250 KLPD based on Sugarcane Syrup/"C" molasses/"B" Heavy Molasses as raw material and proposed 120 KLPD grain based distillery to produce ethanol vide File No.IA-J-11011/465/2022-IA-II(I), EC Identification No.- EC23A022KA170830 Dated 09/01/2023. The details of the Environment Clearance is available on www.parivesh.nic.in Sd/- Executive Director, Vishwaraj Sugar Industries Limited