SIX MONTHLY COMPLIANCE REPORT ON THE CONDITIONS STIPULATED IN THE ENVIRONMENTAL CLEARANCE

For the period
October 2025 to March 2026

PREPARED FOR

Establishment of 10,000 TCD Sugar Unit, 38 MW/hr. Co-gen unit & 90 KLD Distillery along with Incineration Boiler to generate 3 MW/hr. of Power.

A PROJECT BY

M/s.Sangamnath SugarsLtd.

Sy. No. 24,25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka.

Prepared by

Environmental Health & Safety Consultants Pvt Ltd
174/new no. 13/2, 14th E Cross, Industrial town, Agrahara Dasarahalli,
Bangalore- 560010

Six Monthly Compliance Report to the conditions stipulated in the Environmental Clearance

For the period of October 2025 to March 2026

Prepared for

M/s. Sangamnath Sugars. Ltd.,

No. SEIAA 27 IND 2019, Dated: 01.10.2019

Sl. No.	CONDITIONS	COMPLIANCE
I	**STATUTORY COMPLIANCE**	
i.	The project proponent shall obtain forest clearance under the provision of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	No forest land is required for the project, there is no any diversion of forest land involved.
ii.	The project proponent shall obtain clearance from the national Board for Wildlife, if applicable	No forest land is required for the project, there is no any diversion of forest land involved.
iii.	The project proponent shall prepare a site-specific conservation plan &wild life Management plan and approved by the Chief Wildlife Warden. The recommendation of the approved site-specification conservation plan wildlife management plan shall be implemented in construction with the state Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-1 species in the study)	Noted.
iv.	The project proponent shall obtain Consent to Establish/operate under the provision of Air (Prevention & Control) Act, 1981 and the water (prevention & Control of pollution) Act, 1974 from concerned state pollution control Board/committee.	Agreed. Industry has consent validity till **13.01.2026**; copy of the same has been attached as **Annexure-II.**
v.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	The project proponent has obtained authorization under the Hazardous and other Waste Management Rules, 2016 obtained on **5.01.2023** & is valid till **30.06. 2026. copy** of the same has been attached as **Annexure-III.**
vi.	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA).	Noted and Followed accordingly.
II.	**AIR QUALITY MONITORING AND PRESERVATION**	
i.	The proponent shall install Continuous online (24×7) monitoring system at process stack to monitor stack emission with respect to standard prescribed in Environmental (Protection) Rules 1986 and connected to SPCB and CPCB online server and calibrate these systems from time to	Continuous online monitoring system has been installed. OCEMS system will be periodically calibrated as per the specifications from the supplier.

	time according to equipment supplier specification through labs recognised under Environmental (Protection) Act, 1986 or NABL Accredited laboratories.	
ii.	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emissions, and SO2 and NOx in the reference to SO2 and NOx emissions) within outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. (case to case basis small plants: Manual; large; plants; Continuous)	The periodic monitoring of Ambient Air Quality is being carried out by MOEF & CC Recognised Laboratory on monthly basis.
iii.	The project proponent shall submit monthly summary report of continuous stack emissions and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emissions to regional Office of MOEF & CC, Zonal office of CPCB and Regional Office of SPCB along with six monthly monitoring reports.	Six monthly monitoring reports along with the compliance to the Environmental clearance conditions will be submitted to KSEIAA &IRO, MOEF&CC.
iv.	Appropriate Air Pollution Control (APC) System shall be provided for all dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emissions and fugitive emissions standards.	Electro Static Precipitator (ESP) has been provided to 120 TPH boiler with stack height of 72mt and to 35 TPH boiler with stack height of 72mt and Greenbelt development of 33% of total land will create aesthetic environment and also acts as a pollution sink for pollutants / emissions. Stacks/chimneys are provided to Boiler and D.G. Sets as per KSPCB Norms.
v.	The national Ambient Air Quality Emissions Standards Issued by the Ministry vide G.S.R. No.826 € dated 16th November, 2009 Shall be complied with.	Adhered Accordingly.
vi.	Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Noted
vii.	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard	DG Set installed on anti-vibrating pads acoustic enclosure for (1X1000KVA) and HSD (High Speed Diesel) with sulphur content of <0.05% is used. Adequate stack height is provided to DG sets as per KSPCB Norms 30 mts AGL.
viii.	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Will be followed accordingly. Raw materials are stored in storage yard.
III	**WATER QUALITY MONITORING AND PRESERVATION**	
i.	For online continuous monitoring of effluent, the	Continuous online monitoring system has been

	unit shall install web camera with night vision capacity and flow meters in the channel/drains carrying effluent within the premises (applicable in case of the project achieving ZLD) and connected to SPCB and CPCB online servers.	installed for effluent along with web camera with night vision and flow meters were provided, Photographs of the same has been attached a s **Annexure IV**.
ii.	Zero liquid discharge shall be ensured and no waste/treated water shall be discharge outside the premises (applicable in case of the project achieving the ZLD)	The process condensate is treated in CPU of capacity 1000 KLD. Treated water from CPU is recycled for process achieving ZLD concept.
iii.	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharge through a separate conveyance system.	Storm water drains have been constructed to avoid flooding in the proposed site. Storm water drain (0.8m x 0.6m) arrangements have been done all along the periphery of the site boundary including on either side of internal roads to carry surface run-off that will lead to Rainwater Harvesting cum Recharge Pond of 3x4800 m3 capacity.
iv.	The effluent discharge shall conform to the standards prescribed under the Environmental (protection) Rules, 1986, or as specified by the state pollution control board while granting consent under the air/water act, whichever is more stringent.	Agreed and Followed accordingly. A very well scientifically designed CPU is in place, entire treated water is recycled for process use achieving ZLD concept. All parameters are well within the norms.
v.	Total fresh water requirements shall not exceed the proposed quantity or as specified by the committee. Prior permission shall be obtained from the concerned regulatory authorities/CGWA in the regards	Will be followed accordingly. Prior permission has been obtained from the concerned regulatory authorities; copy of the same has been attached as **Annexure VI.**
vi.	Industrial/trade effluent shall be segregated into the high COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (Agitated thin film drier) low TDS effluent streams shall be treated in ETP and then passed through RO System.	Yes, similar methodology adopted, spent wash is concentrated using MEE and used as Fuel in incineration boiler to generate 5 MW/hr of Power. Process condensate is treated in CPU and treated water is recycled for distillation process achieving ZLD concept.
vii.	The company shall harvest rainwater from the roof tops of the building and storm water drains to recharge the ground water and utilizes the same for different industrial operations within the plant	Rainwater harvesting sump of capacity 3 X 4800KL is proposed for implementation.
IV.	**NOISE MONITORING AND PREVENTION**	
i	Acoustic enclosure shall be provided to DG sets for controlling the noise pollution.	DG set (1 X 1000 KVA) is provided within acoustics enclosures for controlling the noise pollution.
ii.	The overall noise level 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 source of noise generation	Acoustic hoods, silencers are provided for all noise generating locations and this noise generating sources are installed in an acoustic enclosure.
iii.	The ambient noise level should conform to the standards prescribed under E(P)A Rules, 1986 Viz. 75 dB(A) during day time and time 70dB(A) during night time.	Noted
V	**ENERGY CONSERVATION MEASURES**	
i	The energy source for lighting purpose shall preferably be LED based.	LED based lighting systems are being used throughout the industry.
VI	**WASTE MANAGEMENT**	

i.	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. flames arresters shall be provided on tank arm and solvent transfer through pumps.	The storage of oils and other hazardous materials is in leak proof barrels drums, carboys etc. and will be used as lubricant within the industry.
ii.	Process organic residues and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Noted and CPU, ETP and STP sludge is used as manure within the industry for greenbelt development. Process inorganic & MEE salts are disposed to the TSDF.
iii.	The company shall undertake waste minimization measures as below	Agreed and latest technology is adopted to achieve the zero-liquid discharge. The spent wash incineration boiler is a specially designed boiler which will burn the concentrated spent wash along with the bagasse as supporting fuel. The ratio of this spent wash to bagasse is 70: 30.
	• Metering and control of quantities of active ingredients to minimize waste.	It is ensured that wastage of Active ingredients is minimized by use of metering pumps/Auto dosing pumps.
	• Reuse of by products from the process as raw materials or as raw material substitutes in other processes.	All by-products from sugar manufacturing & Distillery are being used in the same unit viz. Bagasse & concentrated spent wash is used as fuel in incineration boiler. Press mud, ETP sludge, fly ash etc., are mixed in proportion and used as manure. Molasses is a raw material for distillery to produce Ethanol.
	• Use of automated filling to minimize spillage.	Automated pumps are in use to minimize spillages.
	• Use of Close Feed system into batch reactors.	Batch reactors are connected with close feed system.
	• Venting equipment through vapour recovery system.	Vapour recovery system is in place.
	• Use of high-pressure hoses for equipment clearing to reduce wastewater generation.	Water consumption & wastewater generation is optimized by use of high-pressure hoses for equipment clearing.
VII	**GREEN BELT**	
i.	The green belt shall be developed in an area equal to 33% plant area with a native species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Green belt is developed within the plant premises covering a total area of about 32 acres (33 % of total area) and also in the buffer zone. Selection of plant species will be as per CPCB guidelines.
VII I.	**SAFETY, PUBLIC HEARING AND HUMAN HEALTH ISSUES.**	
i	Emergency preparedness plan based on the Hazard identification and risk assessments (HIRA) and Disaster Management plan shall be implemented.	Emergency preparedness plan based on the Hazard identification and risk assessments (HIRA) and Disaster Management plan will be implemented
ii.	The PP shall provide personal protection Equipment (PPE) as per the norms of Factory Act,	PPE's will be provided to the workforce based on the type of work assigned during the both stages.
iii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical	Adequate training and knowledge on the properties of flammable liquids stored at site is provided in addition to its safe handling and

	examination for all employees shall be undertaken on regular basis. Training to all employees on handling of chemical shall be imparted.	the emergency procedures in the event of an incident.
iv.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructures. And facilities such as fuel for cooking, Mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The total number of manpower required during construction was 250 Nos. and during operation is 350 Nos. The First aid facilities are maintained at a readily accessible place where necessary appliances including sterilized cotton wool etc. and Sufficient supply of water fit for drinking has been provided at suitable places, and 6 No's toilets, 2 mobile toilets,10 Bathrooms and sewage treatment by Mobile STP (20 KLD capacity were provided).
v.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act,	Pre-& post medical check-up is done for all the employees. Employees will be regularly examined and the medical records will be maintained for each employee. Same has been attached as **Annexure VIII.**
vi.	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw material and furnished products, and no parking to be allowed outside on public places.	Agreed
IX.	**CORPORATE ENVIRONMENTAL RESPONSIBILITY**	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A.111 dated 1st May2018, as applicable, regarding Corporate Environment Responsibility and shall execute the action plan with a total cost not less than 750.00 Lakhs as submitted vide letter dated17th August 2019 for the purposes mentioned below: a. Free Medical check-up camps will be held at the neighbouring cane villages. b. Holding of health awareness camp-drinking water, sanitation, malaria and dengue control in all the villages of cane area. c. Providing safe drinking water treatment/ RO plant to villages/schools. d. Infrastructural support to the deserving local industrial training institutes and polytechnic institutions. e. Providingteachingaidsandbookstoprimaryandhighschoolsfallingundercane area. f. Merit Awards, Cash Prize at the rate of 5,000/-and10,000/-to highest marks scoring students at 10th and 12th standard respectively of can notified area. g. ConstructionofPrimary/ Highschoolroomsinthevillagesofthecompanies canenotifiedarea. h. Financial help to the Panchayat in companies	Noted and followed accordingly

	can notified area. i. Development of Rural Roads, construction of toilets. j. Financial help to the deserving vocational training centres for woman folk run by NGOs in the cane notified area of the factory. k. Infrastructural support to the NGO's which are successful in organizing self-help groups (micro-finance) in the can notified area of the factory. l. Aids and appliances to the differently– able persons in the cane notified area.	
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balance and to bring into focus any infringements/ deviations/violations of the environmental / forest/ wildlife norms/conditions. The company shall have system of reporting infringements/ deviations/violations of the environmental / forest/ wildlife norms/conditions and / or shareholders / stack holders. The copy board resolutions in this regard shall be submitted to the MoEF & CC as a part of six-monthly report.	Agreed will be followed accordingly. Environment Management Cell is in place. Proper SOPs have been prepared. There is proper reporting system. Periodic trainings about Environmental Policy are being arranged. As a part of continual improvement refresher trainings will be conducted for the policy implementation and safety awareness. Documents will be maintained for all such activities.
iii.	A separate Environmental Cell both at the project and company headquarters level. With qualified personal shall be set up under the control of senior executive, who will directly to the head of the organization.	Environmental Management Cell will be set up for effective management of environment and pollution control etc. same is enclosed as **Annexure-1.**
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate accounts and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to Ministry/regional Office along with the Six-monthly Compliance report.	Will be followed. EMC is in place to take care of all EMP & EC compliances related issues. Head of the EMC & other EMC members will keep all the records up to date. Action plan for implementation of EMP & compliance to EC conditions will be submitted to IRO, MOEF & CC along with Six monthly compliance reports.
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed will be followed accordingly.
X	**MISCELLANEOUS**	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by proximately advertising it at least in two local newspaper of the district or state, of which one shall be in the vernacular language within seven days and in additions this shall also be displayed in the project proponent website permanently.	Paper advertisement is given in local newspaper in Kannada and English and copy of the same enclosed as **Annexure-V.**
ii.	The copies of the environmental clearance shall be	Noted.

	submitted by the project proponent to the Head of local bodies, panchayats and municipal Bodies in additions to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of motored data on their website and update the same on half yearly basis	Six monthly monitoring reports along with the compliance to the Environmental clearance conditions are being submitted to IRO & MoEF & CC.
iv.	The project proponent shall monitor the criteria pollutants level name PM10, SO2, NOx or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	The environmental monitoring is being carried out at 4 locations within the industry
v.	The project proponent shall submit six monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, forest and Climate Change at environment clearance portal.	Six Monthly Monitoring reports along with the Compliance to Environmental Clearance Conditions are being uploaded in PARIVESH Portal. Same has been enclosed as **Annexure-IX.**
vi.	The project proponent shall submit the environmental statement for each financial year in Form–V to the concerned State Pollution Control Board as prescribed under the Environmental (Protection)rules,1986, as amended subsequently and put on the Website of the company.	Environmental statement for each financial year in Form-V is being submitted to the concerned KSPCB.
vii.	The project proponent shall in form the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, Commencing the land development work and start of production operation by the project.	Noted and will be followed accordingly.
viii.	The project authorities must strictly adhere to the stipulations made by the state pollution Control Board and State Government.	Agreed.
ix.	The project proponent shall abide by all the commitments and recommendation made in the EIA/EMP report, commitment made during public hearing and also that during the representation to the Expert Appraisal Committee.	Agreed.
x.	No further expansion or modification in the plant shall be carried out without prior approval of this Authority or the ministry of Environment, Forest and Climate Change (MoEF & CC)	Any changes in the scope of the project in the near future, a fresh appraisal will be obtained accordingly.
xi.	Concealing factual data or submission of false/fabrication dada may result in revocation of this environmental clearance and attract action under the provision of Environment (Protection) Act, 1986.	Agreed.
xii.	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xiii.	The SEIAA reserve the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these	Agreed and any additional safeguard measures if instructed / directed by the Department (KSEIAA / MOEF) will be implemented and

	conditions.	complied.
xiv.	The Regional office of MoEF & CC shall monitor compliance of the stipulated conditions, the project authorities should extend full cooperation to the officers of the regional Office by the furnishing the requisite data/information/monitoring reports.	Monitoring reports along with the compliance to Environmental Clearance Conditions will be submitted to SEIAA and Integrated Regional Office, MoEF & CC, Bangalore Same has been enclosed as **Annexure-IX.**
xv.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) act, 1974. The Air (Prevention & Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the public liability Insurance Act, 1991 along with their amendments and rules and any other orders passed by the Hon'ble supreme court of India/ High Courts and any other Courts of law relating to the subject matter.	Noted.
xvi.	Any appeal against this EC shall lie with the National Green tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act,2010	Noted.
xv ii.	Concerns/suggestions expressed by the public during the public consultation process and the commitment made by the proponent in that regard shall be complied with the time bound manner.	Noted.
xv iii.	The project authorities shall strictly comply with the observations, suggestions and conditions imposed by the Integrated Regional Office byMoEF&CCinthereportofcomplianceontheconditionsoftheearlierECwithintime.	Noted.
XI	**ADDITIONALCONDITIONS**	
1.	Scheme to provide minimum basic amenities to the truck drivers and attendants in the adjacent project area may be detailed and submitted,	Agreed.
2.	Scheme to have a separate parking area for the loaded and unloaded trucks in order to avoid traffic and environment hazards to the local public as well as road users may be detailed and submitted.	Agreed separate parking area has been kept for loaded vehicle & Unloading vehicle, photographs for the same has been attached as **Annexure No IV.**
3.	Scheme to convert press mud into compost may be worked out and submitted.	Press mud and yeast sludge will be mixed and used as manure.
4.	Details of MOU with the nearby brick manufacturers to use the entire fly-ash Generated in the unit may be worked out and submitted.	Agreed. MOU has been done & same has been attached as **Annexure VII.**

Compliance Report to the conditions stipulated in the Authorization under Hazardous & Other Wastes [Management & Transboundary Movement] Rules,2016 Authorization No: 335371

Valid up to: 30/06/2026

Prepared for

M/s. Sangamnath Sugars. Ltd.,

A	General Conditions for Authorizations	
01	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.	Noted.
02	The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by the Karnataka State Pollution Control Board.	Noted & Adhered accordingly.
03	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.	Without obtaining prior permission of the KSPCB, there is no any such type transportation of Hazardous Waste.
04	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.	Noted & Adhered accordingly.
05	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.	Noted.
06	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".	Noted.
07	It is the duty of the authorized person to take prior permission of the Karnataka State Pollution ControlBoard to close down the facility.	Noted.
08	The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.	Noted.
09	The importer or exporter shall bear the cost of import or export and mitigation of damages if any.	Noted.
10	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.	Noted.

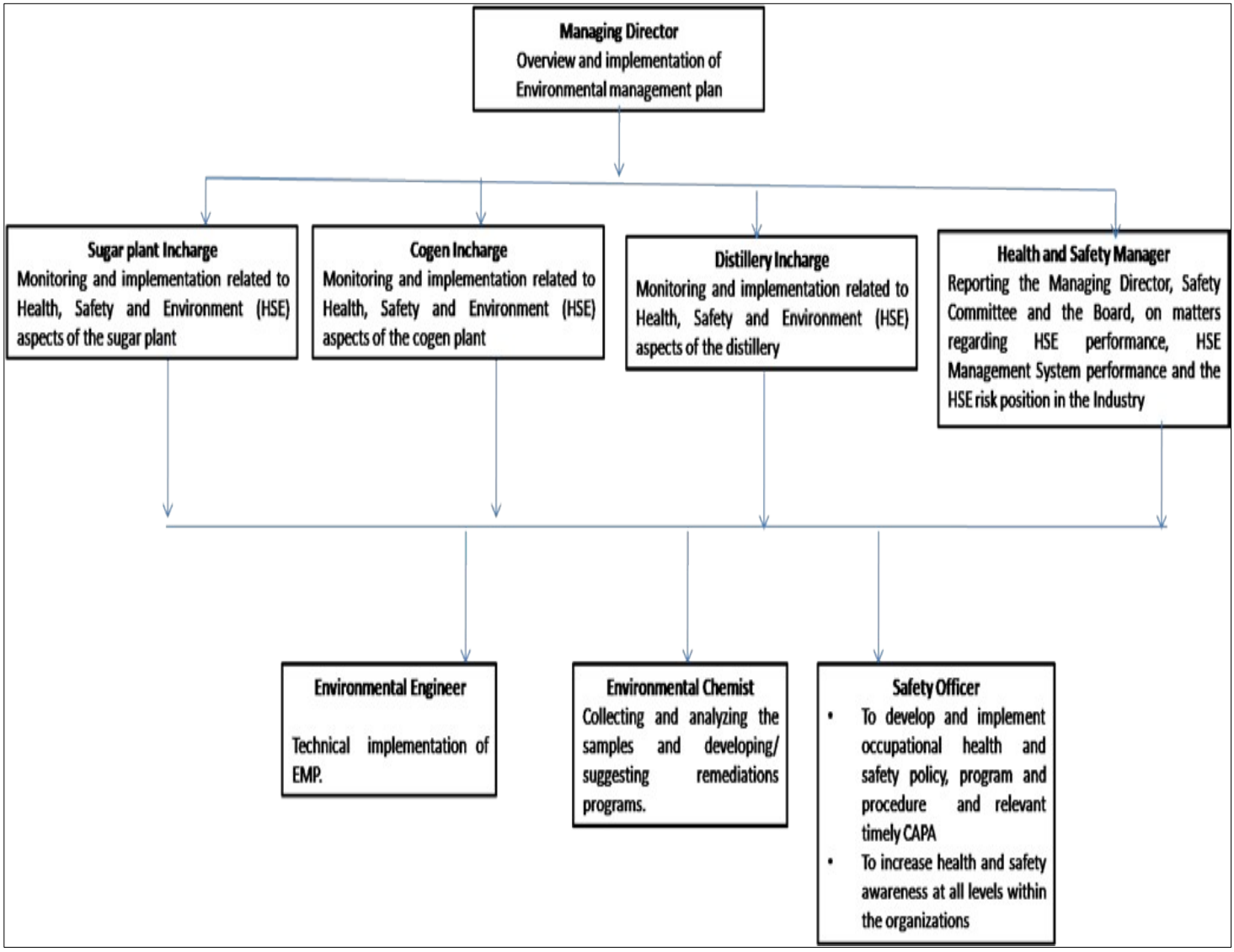
11	An application for the renewal of an authorization shall be made **'3' months** before the date of expiry.	Noted.
12	The Person authorized shall bring to the notice of the Board, if any increase in quantity, change in category and handling operation. In such cases, the authorized Person has to obtain fresh authorization.	Noted.
13	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.	Noted.
14	The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.	Noted.
15	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.	Noted.
16	The record of consumption and fate of the imported hazardous and other wastes shall be maintained.	Noted.
17	The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.	Noted, generated hazardous waste has been given to authorised Vendor for further disposal, the supporting document has been attached as a separate.
18	The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.	Noted.
19	The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).	Noted.
20	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.	There are no any damages/harms to environment or any life & property due to transportation, storage of raw material.
21	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	Display Boards has been provided at hazardous waste storage area, photographs of the same has been attached as **Annexure IV.**

	preventive measures.	

Annexure-I

ANNEXURE-1

ENVIRONMENTAL MANAGEMENT CELL



Annexure-II

सत्यमेव जयते

State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 27 IND 2019 Date: 01-10-2019

To,

Mr. Manjunath R Kabadi,
Director,
M/s Sangamnath Sugars Ltd,
1st Gate, KSSIDC, 3rd Cross,
Industrial Estate, Gokul Road,
Hubballi – 580 030

Sir,

Sub: Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power at Sy. Nos. 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka By M/s Sangamnath Sugars Ltd. – Issue of Environmental Clearance – Reg.

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This has reference to your online application dated 12th September 2018 bearing proposal No. SIA/KA/IND2/22040/2018 addressed to Ministry of Environment, Forest and Climate Change (MoEF&CC), on the subject mentioned above. It has been noted that the proposal is for grant of environmental clearance under EIA Notification, 2006.

2. It is a proposal seeking Environmental clearance for the proposed Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power at Sy. Nos. 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka By M/s. Sangamnath Sugars Ltd. The total land area of the project is 97.20 Acres. Out of 97.20 Acres, 59 Acres is for Factory area, 32 Acres is for Landscape/Garden, One Acre is for Office & workers colony and 5.20 Acres is for future development. The water requirement for the Sugar and Co-generation unit is 784 KLD during crushing season and 1353 KLD during of-season and 540 KLD for distillery. The fresh water requirement will be met from River Bhima. The maximum effluent generated from industry is 898 KLD during season and wastewater generated from Domestic usage is 19 KLD. The industrial effluent and domestic sewage shall be treated in the ETP and STP respectively. The solid waste generated are 90000 MT/Month of Bagasse will be used as fuel to Boilers, 12,000 MT/Month of Press Mud will be used as manure, 10800 MT/ month of Molasses

Room No. 706, 7th Floor, 4th Gate, M.S. Building, Bangalore - 560 001 Phone : 080-22032497 Fax : 080-22254377
Website : http://environmentclearance.nic.in e-mail : msseiaakarnataka@gmail.com

will be used as raw material for Distillery, 990 MT/ month boiler ash will be sent to brick manufacturing units, 1.5 MT/Month of ETP sludge will be used as manure, 216 MT/Month of Yeast sludge will be used as manure and 50 LPA of Used oil shall be disposed to KSPCB authorized recyclers. DG set of 1000 KVA x 1 No. for emergency power back-up will be used in industry and 140 TPH bagasse fired and 32 TPH capacity incineration boiler fuelled by concentrated spent wash and bagasse / coal will be installed. Total cost of the project is 500.00 Crores. This is a project covered under Sl.No. 5(j), 5(g) and 1(d) of the Schedule Under EIA Notification 2006 and amendments made there on.

3. It is inter-alia noted that the MoEF&CC vide letter No.IA-J-11011/278/2018-IA-II(I) dated 14th October 2018 had accorded Standard Terms of Reference for the purpose of preparing Environment Impact Assessment Report and Environment Management Plan with Public Consultation.

4. The EIA has been conducted by EIA Consultant M/s. Environmental Health and Safety Consultants Pvt Ltd. #173/New No. 13/2, 14th E Cross, Industrial Town, Agrahara Dasarahalli, Bangalore who have accredited by NABET/QCI, GoI vide certificate no. NABET/EIA/1821/RA 0107. The public consultation was held on 12th June 2019. The proponents have submitted the Final EIA Report to SEIAA Karnataka vide letter received on 16th July 2019 Consequent to Issue of an Amendment to the EIA Notification 2006 vide Notification No. S.O.1960(E) dated 13th June 2019.

5. The State Expert Appraisal Committee (SEAC), Karnataka has considered the proposal during its meeting held on 8th August 2019. Based on the consideration of the documents submitted and the presentation made by you and the environment consultant M/s. Environmental Health and Safety Consultants Pvt Ltd. #173/New No. 13/2, 14th E Cross, Industrial Town, Agrahara Dasarahalli, Bangalore who have accredited by QCI-NABET, GoI vide certificate no. NABET/EIA/1821/RA 0107, the Committee has recommended for issue of Environmental Clearance.

6. The SEIAA Karnataka after due consideration of the relevant documents submitted by the project proponent, additional clarifications furnished in response to its observations and the recommendation of the SEAC have in its meeting held on 5th September 2019 in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments and decided to accord Environmental Clearance under the provisions thereof to the above mentioned M/s. Sangamnath Sugars Ltd for Establishment of 10,000 TCD Sugar Unit, 38 MW Co-generation unit and 90 KLPD distillery along with Incineration boiler to generate 3 MW power subject to implementation of the following conditions and environmental safeguards:

I. Statutory compliance

i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for

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non-forest purpose is involved in the project.

ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)

iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MS1HC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA).

II.Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous)

iii. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.

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v. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.

vi. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

viii. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation

i. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.

ii. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD)

iii. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

iv. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.

v. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

vi. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.

vii. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

ii. 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.

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iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

V. Energy Conservation measures

i. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

iii. The company shall undertake waste minimization measures as below:-
   a. Metering and control of quantities of active ingredients to minimize waste.
   b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
   c. Use of automated filling to minimize spillage.
   d. Use of Close Feed system into batch reactors.
   e. Venting equipment through vapour recovery system.
   f. Use of high pressure hoses for equipment clearing to reduce wastewater generation.

VII. Green Belt

i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant

VIII. Safety, Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. 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.

iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

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vi. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

IX. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-1A.111 dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility and shall execute the action plan with a total cost not less than 750.00 Lakhs as submitted vide letter dated 17th August 2019 for the purposes mentioned below:-

a. Free Medical check-up camps will be held at the neighbouring cane villages.
b. Holding of health awareness camp - drinking water, sanitation, malaria and dengue control in all the villages of cane area.
c. Providing safe drinking water treatment/RO plant to villages/schools.
d. Infrastructural support to the deserving local industrial training institutes and polytechnic institutions.
e. Providing teaching aids and books to primary and high schools falling under cane area.
f. Merit Awards, Cash Prize at the rate of Rs. 5,000/- and 10,000/- to highest marks scoring students at 10th and 12th standard respectively of cane notified area.
g. Construction of Primary/High school rooms in the villages of companies cane notified area.
h. Financial help to the Panchayat in companies cane notified area.
i. Development of Rural Roads, construction of toilets.
j. Financial help to the deserving vocational training centres for woman folk run by NGOs in the cane notified area of the factory.
k. Infrastructural support to the NGO's which are successful in organizing self-help groups (micro-finance) in the cane notified area of factory.
l. Aids and appliances to the differently - able persons in the cane notified area.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or

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shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

vii. The project proponent shall inform the Regional Office as well as the MoEF&CC, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

x. No further expansion or modifications in the plant shall be carried out without prior approval of this Authority or the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xiv. The Regional Office of MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

xvii. Concerns / suggestions expressed by the public during the public consultation process and the commitment made by the proponent in that regard shall be complied with the time bound manner.

xviii. The project authorities shall strictly comply with the observations, suggestions and conditions imposed by The Regional Office of MoEF&CC in the report of compliance on the conditions of the earlier EC within time.

XI. Additional Conditions

1. Scheme to provide minimum basic amenities to the truck drivers and attendants in the adjacent project area may be detailed and submitted.
2. Scheme to have a separate parking area for the loaded and unloaded trucks in order to avoid traffic and environment hazards to the local public as well as road users may be detailed and submitted.
3. Scheme to convert press mud into compost may be worked out and submitted.

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4. Details of MOU with the nearby brick manufacturers to use entire fly ash generated in the unit may be worked out and submitted.

Yours Faithfully,

(Vijaykumar Gogi)
Member Secretary,
SEIAA.

Copy to:

1) The Secretary, Ministry of Environment & Forests, Government of India, Paryavaran Bhavan, CGO Complex, Lodi Road, New Delhi-110003.
2) The Special Secretary, Department of Environment and Ecology, Government of Karnataka, Bangalore.
3) The Member Secretary, Karnataka State Pollution Control Board, Bangalore.
4) The CCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, 5th Floor, E & F wings, 17th Main Road, Koramangala II Block, Bangalore-560 034, Bangalore.
5) Guard File.

Consent For Establishment (CFEs)

Consent No. CTE-319266 Valid upto: 13/01/2027

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

Consent Order No. CTE-319266 **PCB ID:** 83089 **Date.** 27/07/2020

To,

The Applicant

M/s Sangamnath Sugars Ltd
1st Gate, KSSIDC, 3rd Cross,
Industrial Estate, Gokul Road,
Hubballi- 580 030

Sir,

Sub: Consent to Establish under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981-reg.,

Ref: 1. CFE application submitted by the industry/organization on 13/12/2019 at Regional Office

2. Inspection of the project site by Regional Officer Bijapura on 14/01/2020

3. Proceedings of the CCM dated 06/07/2020 ,held on 01/07/2020

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Establishment** for new Activity under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the following terms & conditions.

Location:

Name of the Applicant: M/s Sangamnath Sugars Ltd

Address: Sy No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village, Byalihal Village, Sindagi Taluk, Vijapura District, Karnatak

Industrial Area: Not In I.A, Byalihal,

Taluk: Sindgi, District: Bijapur

Conditions:

1. This consent for establishment is valid up to 13/01/2027 from the date of issue.
2. The applicant shall not undertake expansion/diversification without the prior consent of the Board.
3. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.
4. This consent is granted considering the following activities:

Sr	Product Name	Applied Qty/Month	Unit
1	Co-generation Unit	27360.0000	MWH
2	Distillery Unit	2700.0000	KLT
3	Installation of Incineration Boiler	2160.0000	MWH
4	Sugar Cane Crushing	300000.0000	TON

I. WATER CONSUMPTION:

1. The source of water shall be from Bhima River - 784 KLD Sugar,Cogen , 540 KLD Dist and total water consumption shall be as below.

Particulars	Water consumption(KLD)
Boiler Feed	504.0
Cooling Water	700.0
D.M Water Plant	121.0
Domestic Purpose	21.0
Manufacturing Processes	4423.0
Others	340.0
Others	4.0
Others	55.0
Others	1080.0

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II. WATER POLLUTION CONTROL:

1. The discharge from the premises of the applicant shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act or Rules made there under.

2. The applicant shall treat the domestic wastewater from the factory in septic tank with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be designed as per IS 2470 Part - I andPart- II

3. The applicant shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted.It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.

4. The quantity of domestic waste water and trade effluent generated from the proposed industry shall not exceed the permitted quantity as indicated below

Discharge of effluents under the Water Act:

Sl. No.	Description	Permitted Quantity of discharge in KLD	Mode/Place of disposal
7	Boiler Feed	50.000	Condensate Water
6	Cooling Water	500.000	Source - Condensate Water, Cooling Tower make up - 700 KLD
1	D.M Water Plant	18.000	DM Plant + Boiler Feed, Source - Fresh Water
3	Domestic Purpose	19.000	-
9	Manufacturing Processes	0.000	Fresh Water + Condensate Water
8	Others	289.000	Source - Condensate Water, Washing - 340 KLD
4	Others	55.000	WTP regeneration - 55 KLD, Source - Condensate Water
5	Others	4.000	Condensate Water
2	Others	540.000	Process + Cooling Tower + Washing , Source - Fresh Water + Recycled Water

5. The applicant shall treat the trade effluent in proposed ETP which consists of the following;

STP & ETP details

SlNo	ETP/STP NO	ETP Code	Category Name	Capacity (Meter Cubic)	Units	Remarks
1	ETP1	BS-	Bar Screen	4.00	1	Inlet Chamber - 2m x 2m x 1m
2	ETP1	GC-	Grit Chamber	0.00	0	
3	ETP1	C+E	P-Collection cum Equalization	484.00	1	11m x 11m x 4m
4	ETP1	DEC	P-Decanter	105.00	1	6m x 5m x 3.5m - Buffer Tank
5	ETP1	HOL	P-HOLDING TANK	22.50	1	Clarified Water Tank - 7m x 3m x 2.5m SWD
6	ETP1	NUE	P-Nuetralization	22.50	1	3m x 3m x 2.5m SWD
7	ETP1	OGT	P-Oil-Grease Trap	12.00	1	4m x 2m x 1.5m SWD
8	ETP1	AER	S-AERATION TANK	1024.00	1	16 m x 16m x 4m
9	ETP1	ANA	S-Anaerobic Digestor	1536.00	1	UASB - 16m x 16m x 6m SWD
10	ETP1	CLS	S-Sec Clarifier	35.00	1	10m x 3.5m SWD
11	ETP1	SDB	S-Sludge Dry Beds	240.00	1	6m x 4m x 1.5m

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6. The applicant shall ensure that the ETP will treat the effluent to the stipulated standards as indicated in Annexure-I

7. The applicant shall not discharge any effluent outside the industry premises.

8. The applicant shall provide separate flow meter for inflow & outflow of effluents through ETP and separate energy meter and shall maintain a logbook for hourly record of meter reading for the verification of inspecting officers
9. The applicant shall discharge the effluents only to the place mentioned in the Consent order.

III. AIR POLLUTION CONTROL:

1. The Source of emission, Stack height & Air Pollution Control (APC) measures shall be as specified in ANNEXURE-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

IV. NOISE POLLUTION CONTROL:

1. The applicant shall ensure that the ambient noise levels within its premises shall not exceed the limits i.e. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time as specified in the Environment (Protection) Rules.

V. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall collect, treat and dispose off all solid waste generated from the process other than wastes covered under the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016, in such manner so as not to cause environmental pollution.

2. The details of solid waste generated from the proposed plant and mode of disposal shall be as below.

Sr	Solid Waste Name/Type	Qty-Unit	Mode of Disposal
1	Press mud	12000.0000 - M.T	OTH
2	Sludge from ETP	1.5000 - M.T	OTH
3	Yeast sludge	216.0000 - M.T	OTH
4	Domestic solid waste	2.7000 - M.T	OTH
5	Bagasse	90000.0000 - M.T	OTH
6	Boiler Ash	300.0000 - M.T	OTH
7	Incineration Boiler Ash	690.0000 - M.T	OTH

VI. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The applicat shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundry Movement) Rules 2016, and comply with the provisions of the said Rules.

VII. GENERAL:

1. The applicant 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.

2. The applicant shall not commission the proposed plant for trial or regular production unless necessary Water & air pollution control equipments are installed as specified in the Consent Order.

3. The applicant shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.

4. The applicant shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.

5. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation to the Board.

6. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.

7. This CFE does not give any right to the Party/Project Authority/Industry to forego any other legal requirement, that is necessary for setting/operation of the plant.

8. The applicant shall furnish pointwise compliance to the conditions given under this consent for establishment along with the application for Consent to operate.

Karnataka State Pollution Control Board
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9. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.

10. The applicant shall comply with all the Conditions and guidelines issued from time to time.

11. The applicant must create structure/facility for rain water harvesting and ground water recharge.

12. The applicant shall develop extensive green belt within the periphery of the plant.

13. This consent is issued without prejudice to Court Cases pending in any Hon'ble Court.

Please note that this is only consent for establishment issued to you to proceed with the formalities for establishment of the industry and does not give any right to proceed with trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance of commissioning for trial production of the plant.

The receipt of this letter may please be acknowledged.

Consent Fee paid	: Rs. 100000

Note:

The Conditions II (2) mentioned in the schedule are not applicable.

Additional Conditions:

Additional conditions as per Annexure-III.

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office, Bijapura for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

ANNEXURE- II

Chim.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	DG set - 1000 KVA	30	PM(mg/NM3),SO2 (PPM),NOx(PPM)	100,80,80	DIE	AEC	Before commissioning.

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email id: ho@kspcb.gov.in

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2	Boiler	Boiler - 32 TPH	75	PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,150,0	BLK	ESP	Before commissioning.
3	Boiler	Boiler - 140 TPH	70	PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,150,0	BAG	ESP	Before commissioning.

Note:

AEC Accoustic Enclosures

ESP E.S.P

LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

   Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points.The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame or rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

FOR AND ON BEHALF OF KARNATAKA POLLUTION CONTROLBOARD

Signature Not Verified
Digitally signed by
Date: 2020.07.27 12:07:00 +05:30

Consent For Operation (CFO-Air,Water)

Consent No. AW-329274
Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

Combined Consent Order No. AW-329274 **PCB ID:** 83089 **Date:** 19/01/2022

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981

Ref: 1. Application filed by the applicant/organization on 04/12/2021

2. Inspection of the Industry/organization/by RO, on 04/12/2021

3. Proceedings of the ECM dated 29/12/2021 ,held on 29/12/2021

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: M/s Sangamnath Sugars Ltd

Address: Sy No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village, Byalihal Village, Sindagi Taluk, Vijapura District, Karnatak

Industrial Area: Not In I.A, Byalihal,

Taluk: Sindgi, District: Bijapur

CONDITIONS:

a) Discharge of effluents under the Water Act:

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Boiler Feed	504.000	50.000	Condensate Water
2	Cooling Water	700.000	500.000	Source - Condensate Water, Cooling Tower make up - 700 KLD
3	D.M Water Plant	121.000	18.000	DM Plant + Boiler Feed, Source - Fresh Water
4	Domestic Purpose	21.000	19.000	
5	Manufacturing Processes	4423.000	0.000	Fresh Water + Condensate Water
6	Others	340.000	289.000	Source - Condensate Water, Washing - 340 KLD
7	Others	4.000	4.000	Condensate Water
8	Others	55.000	55.000	WTP regeneration - 55 KLD, Source - Condensate Water
9	Others	1080.000	540.000	Process + Cooling Tower + Washing , Source - Fresh Water + Recycled Water

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel,constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty/Month	Unit
1	Co-generation Unit	27360.0000	MWH
2	Distillery Unit	2700.0000	KLT
3	Installation of Incineration Boiler	2160.0000	MWH
4	Sugar Cane Crushing	300000.0000	TON

This consent is valid for the period from 01/07/2021 **to** 30/06/2026

To,

M/s Sangamnath Sugars Ltd

1st Gate, KSSIDC, 3rd Cross,
Industrial Estate, Gokul Road,
Hubballi- 580 030

Consent For Operation (CFO-Air,Water)

Consent No. AW-329274
Valid upto: 30/06/2026

Karnataka State Pollution Control Board
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Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

COPY TO:

The Environmental Officer, KSPCB, Regional Office Bijapura for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid	: Rs. 2500000

SCHEDULE

TERMS AND CONDITIONS

A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.

2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.

2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.

3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I

3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.

4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.

5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.

6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.

7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:

8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

B. EMISSIONS:

1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.

2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.

3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

C. MONITORING & REPORTING:

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.

2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

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D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.

2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.

b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.

c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.

d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - * Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

* A “decibel” is a unit in which noise is measured.

* “A”, in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

* Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT)Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.

2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.

3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.

4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.

5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.

6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.

8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.

9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.

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10. The applicant shall make an application for consent for subsequent period at least 45 days before expiry of this consent.

11. The applicant shall develop and maintain adequate green belt all around the periphery.

12. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.

13. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court

14. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.

15. The applicant shall display flow diagram of the pollution control system near the pollution contol system/s.

NOTE:

The Conditions A(2b)(3b) mentioned in the schedule are not applicable.

Additional Conditions:

1. The occupier shall comply with all the additional terms and conditions stipulated in Annexures -I,A,B attached here.
2. This consent order contains 13 pages including Annexures.

Chim.No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed,in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	D.G. Sets	DG set - 1000 KVA	30	PM(mg/NM3),SO2 (PPM),NOx(PPM)	100,80,80	DIE	AEC	Before commissioning.
2	Boiler	Boiler - 32 TPH	75	PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,150,0	BLK	ESP	Before commissioning.
3	Boiler	Boiler - 140 TPH	70	PM(mg/NM3),SO2 (PPM),NOx(PPM)	0,150,0	BAG	ESP	Before commissioning.

Note:

AEC Accoustic Enclosures

ESP E.S.P

Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.
3. There shall be no smell or odour nuisance from the industry.

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LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

   Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2\,(\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period

3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.

4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

For and on behalf of the
Karnataka State Pollution Control Board

Annexure-I
Additional Conditions

1. **This first Consent for Operation is issued for the Period from 01.07.2021 to 30.06.2026.**
2. **This CFO is issued for carrying out Sugar Cane crushing of capacity 10,000 TCD, Co-Generation Power plant of capacity 38 MW + 3 MW incineration boiler and Distillery of capacity 90 KLD.**
3. **Industry shall comply with the commitment submitted through their letter dated : 17.12.2021 and adhere to the time bound commitment made in respect of compliance with the directions given in the SCN issued on 16.12.2021**
4. The authorities have paid Rs.25,00,000/- as Consent fee for 5 years based on the CI of Rs. 182,86,25,411/-. The applicant shall pay the balance fee, if any, after the final notification of revised consent fee and as per the affidavit submitted by the industry.
5. The applicant shall comply with the quantity of water consumption, waste water generation and treatment and disposal of treated water for Sugar & Co generation plant as per the following table:

Sl. No.	Sources	Water consumption in KLD	Waste water generation in KLD	Mode of Treatment and Disposal
1	Domestic	21	19	Shall be disposed to Septic Tank and Soak Pit.
2	Boiler Feed	504	50	Shall be treated in ETP and treated water shall be used for on land irrigation along with the treated sugar and co generation effluent.
3	Cooling Water	700	500	
4	D.M. Water Plant	121	18	
5	Process	4423	0	
6	Others (Process and Washing)	340	289	
7	Others (Lab purpose)	4	4	
8	Others (WTP Make up)	55	55	
9	Distillery (Process+ Cooling Tower +Washing)	1080	-	The spent wash generated from the distillery shall be stored in the impervious storage tank and the same shall be concentrated in the MEE and the reduced volume of a spent wash shall be used as fuel in the slop fired boiler. The Spent lees along with condensate from MEE, boiler blow down, cooling tower blow down, DM regeneration and washing shall be treated in the CPU of capacity 1000 KLD and recycled back in the process.
Total in KLD		**7343**	**916**	

6. The applicant shall comply with the quantity of water consumption, waste water generation and treatment and disposal of trade effluent generated from Distillery Plant as per the following table:

Name of the effluent	**Generation Quantity (KLD)**	**Mode of treatment**
Raw Spent wash	540	Spent wash shall be stored in the impervious storage tank and shall be concentrated in MEE and reduced volume of spent wash shall be used as fuel in the slop fired boiler.
Spent lees	2	Spent lees along with condensate from MEE, boiler blow down, cooling tower blow down, DM regeneration and washing shall be treated in the CPU of 1000 KLD capacity and the treated water shall be recycled back.

7. The applicant shall treat the domestic sewage in Septic tank followed by soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470, Part –I & Part – II.
8. The applicant shall treat the waste water generated from Sugar and Co generation Plant along with spent lees, boiler blow down, cooling tower, D.M plant and others in the ETP and the treated trade effluent shall be used for on land for irrigation in green belt areas and R&D Farm owned by the industry after conforming to the Standards as stipulated in **Annexure –A** attached with this Consent.
9. The industry shall treat the trade effluent generated from Sugar and Co-generation plant in the ETP of capacity 1000 KLD and the ETP shall consists of Inlet Chamber, Collection Cum Equalization Tank, Buffer Tank, Clarified water Tank, Neutralization Tank, Oil Grease Trap, Aeration Tank, UASB, Secondary Clarifier and Sludge Dry Beds. The treated trade effluent shall be used for irrigation in the agriculture lands owned by the industry.
10. The industry shall provide permanent pipeline arrangement to utilize treated trade effluent in the agriculture lands.
11. **The treated effluent shall be disposed on land for irrigation after complying with the following guidelines. The industry shall submit the point wise action taken report on all the conditions stipulated below:**
    - The industry shall adopt "Controlled Land application of treated effluent, while utilizing the treated water for irrigation.
    - The industry shall engage an agricultural scientist or tie-up with an agricultural university or institute for advice on the utilization or the rate of application of the treated effluent for irrigation considering the agro-climatic conditions.
    - As seasons and the sowing periods of the crops put restrictions on the utilization of treated effluent for irrigation, the industry shall prepare a comprehensive Irrigation Management Plan (IMP), in consultation with the agricultural scientist or agriculture university/institute and submit to SPCBs/PCCs which should verify the same while issuing Consent to the industry.
    - The industry shall prepare Comprehensive Irrigation Management Plan including following:
        - Areas to be covered under irrigation by using treated water.
        - Details like Survey numbers of land and their area to be covered in the treated water utilization.
        - Written agreement with the farmers to use the treated water in their land for irrigation scheme.
        - The quantity of treated effluent to be used in different periods of the year and crop wise utilization.

- The treated effluent distribution system and arrangement for low/no demand period.
- Agronomic plan for effective utilization of land.

- The command area used for utilization of treated effluent shall be as near as possible to the industry in order to facilitate easy monitoring and effective control on the application of treated effluent.
- The industry shall construct a distribution network of impervious conduits to cover the irrigated area.
- The industry shall construct impervious lined storage tank of minimum 15 days capacity for storage of treated effluent during low/no demand, based on the Irrigation Management Plan.
- The treated effluent used for Irrigation shall be analyzed regularly, i.e after every Month. The consolidated analysis results shall be submitted to the Board regularly.
- The treated effluent samples shall be collected at the point from where the effluent is discharged for irrigation.
- The physico-chemical characteristics of the soil under irrigation with treated effluent, should be monitored twice in a year to assess conditions in summer and post monsoon seasons, in order to determine the deterioration of soil quality. The consolidated analysis results shall be submitted to the Board regularly.
- The industry shall monitor the groundwater quality twice in a year.
- The ground water Samples shall be collected from the monitoring well established for sampling purpose only.
- The sampling points should be uniformly spread in the command area and near effluent storage area.
- The industry should carry out the analysis of various prescribed effluent/soil/ground water quality parameters from the NABL/EPA/ SPCBs/PCCs recognized/accredited laboratories.
- Analysis reports regarding compliance of effluent quality standards and status of soil and ground water quality shall be submitted to SPCBs/PCCs twice in a year, in first week of January and July.
- In case of observation of any deterioration in the soil and groundwater quality parameters during the assessment by agricultural scientist or agricultural university/institute, the application of treated effluent shall be stopped immediately and the industry should inform the SPCB, accordingly.
- The industry shall be solely responsible for reclaiming the soil and water quality at their cost in the affected area.

12. The Effluent Treatment Plant shall be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
13. The treated waste water generated from Sugar and Co generation Plant along with spent lees, boiler blow down, cooling tower, D.M plant and others, which is used on land for irrigation in the agricultural land owned by the industry
14. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order.
15. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises in not permitted.
16. Analysis reports regarding compliance of effluent quality standards and status of soil and ground water quality shall be submitted to SPCBs/PCCs twice in a year, in first week of January and July.
17. In case of observation of any deterioration in the soil and groundwater quality parameters during the assessment by agricultural scientist or agricultural university/institute, the application of

treated effluent shall be stopped immediately and the industry should inform the SPCB, accordingly.

18. The industry shall comply with all the conditions stipulated in the EC issued for sugar cane crushing; Co-generation of power plant and Molasses based Distillery.
19. **Spent wash management:**

- The raw Spent wash shall be stored in the impervious storage tank and shall be concentrated in MEE and reduced volume of spent wash shall be used as fuel in the slop fired boiler.
- The Spent lees along with condensate from MEE, boiler blow down, cooling tower blow down, DM regeneration and washing shall be treated in the CPU of 1000 KLD capacity and the treated water shall be recycled back.
- There shall not be any leakages, stagnation of trade effluent in the nearby water body existing to the lagoons.
- All the lagoons shall be made impervious.
- The applicant shall store in the impervious collection sump to collect the molasses spillages.
- The applicant shall not store spent wash in unlined lagoons to avoid surface or sub-surface water pollution.
- The applicant shall ensure that no raw spent wash /effluent shall be by- passed on land or into water body (stream, lake, nala etc) so as to avoid surface or subsurface water pollution.
- The applicant shall record the quantity of spent wash and other effluents generated and maintain a record. The recorded data shall be sent to the jurisdictional Regional Officer on monthly basis.
- The applicant shall improve the house keeping within the industrial area.
- The Baggasse shall be used as fuel in the boiler.
- The applicant shall take all necessary measures to avoid odour nuisance both from the process and from the effluent handling.
- Piezometers shall be installed to study the long-term impact on ground water quality around the compost yard.
- The applicant shall store the molasses in covered steel tanks only with proper safety measures.
- The applicant shall obtain permission from the Board to dispose-off the spoiled molasses and shall be disposed-off in the manner as specified by the Board in the permission letter.

20. The applicant shall take suitable steps so that there will be reduction of the fresh water consumption as well as waste water generation from the industry.
21. The applicant shall use the entire bagasse generated from the sugar mill for co-generation boiler during the season and the fly ash shall be used for composting as filler material.
22. The applicant should use the existing closed conveyor system for transfer of bagasse to prevent the spread the fugitive emission.
23. The applicant shall not store untreated/partially treated effluents in the unlined lagoons.
24. Industry shall metal all the internal roads to control the fugitive emissions due to vehicular movement.
25. The applicant shall regularly monitor the ground water of the wells situated in agricultural where treated trade effluent is used for irrigation for water quality parameters and submit report.

26. The analysis of treated trade effluent shall never exceed the stipulated standard and in any case the treated effluent is exceeding the standard the applicant shall take appropriate step to maintain the ETP units to ensure treated water always complies with the stipulated standard.
27. Industry shall provide dyke wall of sufficient height for molasses storage tank.

B. DISCHARGE OF EMISSIONS UNDER THE AIR ACT:-

1 The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-B** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
2 Fugitive emission near manufacturing area has to be controlled by adopting advance technology.
3 If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
4 The applicant shall carryout the ambient air quality monitoring and submits the report to the Regional Office of the Board. The AAQM stations shall be carried out in all the established stations as per the requirement under the National Ambient Air Quality Monitoring Standards stipulated in Environmental (Protection) Rules, 1986. The industry shall furnish statistical analysis for annual average of pollutants at all the locations as per Ambient Air Quality standards Notification once in a year.
5 The analysis of stack monitoring shall never exceed the stipulated standard and in any case the stack analysis is exceeding the standard the applicant shall take appropriate step to maintain the air pollution control equipment to ensure stack emission always complies with the stipulated standard.
6 The applicant shall treat and dispose any liquid effluents produced in the course of control of air pollution by scrubbing, conditioning etc., of flue gases in accordance with the provisions of the Water (Prevention and Control of Pollution) Act, 1974. The details of such discharges shall be quantified and monitored immediately after commissioning and details of collection, treatment and disposal shall be furnished to the Board.

C. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES 2016:

1. The industry shall apply and obtain authorization under Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2016, and comply with the conditions of the authorization.
2. The applicant shall comply with the terms and conditions stipulated in authorization.

D. GENERAL CONDITIONS

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
3. The Noise generated in the factory shall be within the prescribed limits of 75 dB (A) leq. During day time and 70 dB (A) leq during night time.
4. The applicant shall comply with the noise standards for work zone exposure for industrial workers as per the Factories Act/Noise Pollution (Regulation and Control) Rules, 2000.

5. There shall not be any complaint against the industry on water, air, noise pollution from the surrounding general public.
6. The applicant shall carryout intensive plantation/ thick vegetation all round to minimize air & noise pollution. The action taken report shall be submitted to the Board immediately.
7. The applicant shall not discharge treated water/untreated water in to the water body at any point of time.
8. The industry shall provide rain water harvesting system within the premises to conserve the Water Source.
9. The industry shall provide 15 days storage tank for storing treated trade effluent.
10. The applicant shall always ensure that the bagasse & boiler ash shall be stored in covered area which will avoid dust nuisance in the surrounding area during wind blow.
11. The applicant shall store the metal scrap, plastic waste, glass wool and other solid waste scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
12. The applicant shall store the used containers scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
13. The industry shall provide online emission monitoring system, effluent monitoring system and the data shall be connected to CPCB and SPCB server as per CPCB directions.
14. The industry shall provide separate energy meter to the ETP and flow meter to inlet and outlet of ETP.
15. The applicant shall conduct intensive awareness programs on e- waste management, plastic Waste management program to public including nearby school children.
16. The applicant shall conduct Environmental audit of different Environmental attributes for conservation of resources.

For and on behalf of the KSPCB

SENIOR ENVIRONMENTAL OFFICER

ANNEXURE -A

Standards for using the treated trade effluent on land for irrigation/green belt development:

Sl. No.	Characteristics	Standards
1	pH	5.5 to 8.5
2	BOD, mg/l , (3 days at 270 C)	100
3	TSS, mg/l	100
4	Oil and Grease-mg/l	10
5	Total Dissolved Solids-mg/l	2100
6	Colour and odour	See Note

Note: All efforts should be made to remove colour and unpleasant odour as far as practicable.

TABLE
HYDRAULIC LOADING APPLICABLE FOR DIFERENT SOILS

Sl. No.	Soil Texture	Loading rate in M^3 /Hec/day
1	Sandy	225 to 280
2	Sandy Loam	170 to 225
3	Loam	110 to 170
4	Clay Loam	055 to 110
5	Clayey	035 to 055

SENIOR ENVIRONMENTAL OFFICER

The Air pollution sources, Chimney height and the control equipments provided by the industry shall be as below and the Air pollution sources mentioned in the main consent at Page No: 5 shall be replaced with this **Annexure-B**

Sl. No.	Chimney Attached to	Minimum Chimney Height to be Provided	Constituents to be controlled in the emission.	Tolerance limits Mg/NM3	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)	Date of which air pollution Control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.	Remarks
1	100 TPH Boiler	72 m AGL	PM	150	With ESP	At All Times	1. The emission rate of all chimneys shall be reported within 30 days. 2. Details of D.G. Sets if any like KVA rating fuel consumption in Kg/hr., Chimney height above roof level and dia to be furnished within 30 days. D.G. Sets and other noise generating machinery to be provided with Silencers /Mufflers to reduce the noise pollution. 3. There shall be no smell or odour nuisance from the industry. 4. There shall be no other sources of air pollution.
2	32 TPH Boiler	75 m AGL	PM	150	With ESP	At All Times	
3	1000 KVA DG Set	30 m ARL	NO_x NHMC PM CO	710 ppmv 100 75 150	With acoustic enclosure	At All Times	

SENIOR ENVIRONMENTAL OFFICER

ANNEXURE-III

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 335371

Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

(This document contains 4 pages excluding annexure)

Authorization No: 335371 **PCB ID:** 83089 **Date:** 05/01/2023

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

Ref: 1. Authorization application submitted by the industry/organization on 07/12/2022 at Regional Office.

2. Inspection of the project site/organization by Regional Officer , Bijapura on 07/12/2022
3. Proceedings of CCM dated: , held on:

1. Number of authorization 335371 and date of issue 05/01/2023

2. Reference of application No. 162856 Inward Date 07/12/2022

3. Chairman & Manging Director of M/s Sangamnath Sugars Ltd is hereby granted an authorization based on the enclosed signed inspection report for Generation,Collection,Reception or any other use of hazardous or other wastes or both on the premises situated at the location **Address**: Sy No‘s 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village , Byalihal Village, Sindagi Taluk, Vijapura District, Karnatak **Industrial Area** : Byalihal , **Taluk** : Sindgi , **District** : Bijapur

Details of Authorization:

Category of Hazardous waste as per the Schedule I,II,III & IV of these rules	Description of Hazardous Waste	Quantity/Annum	Unit	Authorized Mode of Disposal or recycling or utilization or co-processing, etc.,
I	5.1~Used Spent Oil	0.837	MTA	As Per Annexure
I	5.2~Wastes Residues Containing Oil	0.400	MTA	As Per Annexure
I	33.1~Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	3.000	MTA	As Per Annexure

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

A. General Conditions of authorization:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.

2. The authorization or its renewal shall be produced for inspection at the request of an Officer authorized by

Karnataka State Pollution Control Board
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the Karnataka State Pollution Control Board.

3. 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.

4. 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.

5. 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.

6. 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”.

7. It is the duty of the authorized person to take prior permission of the Karnataka State Pollution Control Board to close down the facility.

8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

9. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.

10. 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.

11. An application for the renewal of an authorization shall be made **'3' months** before the date of expiry.

12. 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.

13. 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.

14. The Person authorized shall take steps for reduction and prevention of the waste generated or for recycling or reuse.

15. 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.

16. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

17. The hazardous and other waste which gets generated during recycling or reuse or recovery or per-

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processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.

18. The transportation of hazardous waste shall have to be carried out only through registered/authorized vehicles meant for transportation of hazardous waste.

19. The Person Authorized shall not store the Hazardous Waste more than ninety days as per Rule 8 (1).

20. 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.

21. 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:

1)This authorisation is issued for the period upto 30.06.2026 with conditions. 2)The Occupier of the industry shall comply with all the conditions prescribed in the Annexure attached herewith and submit compliance.

For and on behalf of the
Karnataka State Pollution Control Board

CHIEF/ SENIOR ENVIRONMENTAL OFFICER

COPY TO:

1. The Environmental Officer, KSPCB, Regional Office,for information and to inspect the industry during your next visit to the area.
2. Master copy (Dispatch).
3. Office copy.

Form 2 -[Rule 6(2)] Authorization under Hazardous & Other Wastes [Management & Transboundary Movement]Rules,2016

Authorization No: 335371

Valid upto: 30/06/2026

(This document contains 4 pages excluding annexure)

Karnataka State Pollution Control Board
Parisara Bhavana,No.49, Church Street,Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax:080-25586321
email id: ho@kspcb.gov.in

Signature Not Verified
Digitally signed by
Date: 2023.01.06 17:28:39 +05:30

PCB ID: 83089

ANNEXURE-I

ADDITIONAL CONDITIONS TO ACCOMPANY AUTHORISATION OF M/S SANGAMNATH SUGARS LTD SY NO'S 24, 25/4, 25/5, 25/6, 32/1, 32/2 OF BYALIHAL VILLAGE, SINDAGI TALUK, VIJAYAPURA DISTRICT ISSUED UNDER THE PROVISIONS OF THE HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES. 2016.

****

Preamble: M/s Sangamnath Sugars Ltd., is an existing Large Red category industry located at Sy. No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village, Sindagi Taluk, Vijayapura District. The industry authorities have obtained Consent for Operation issued under the provisions of the Water (Prevention and Control of Pollution) Act 1974, and Air (Prevention and Control of Pollution) Act, 1981 upto 30/06/2026 vide Consent Order No. AW-329274 dated: 19/01/2022 for production of capacity I)10,000 TCD ii)Co-gen plant of 38 MW iii)Distillery- 90 KLPD with CO-gen unit from incineration boiler of 3 MW and to make discharge of effluents and air emissions. Industry has applied for authorization under the Provisions of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 on 07/12/2022. The industry was inspected by Environmental Officer, Regional Office- Vijayapura and has recommended to issue authorization upto 30/06/2026 (Co-terminus with CFO). Accordingly, first authorization under H & OW (M & TM) Rules, 2016 is hereby issued upto 30/06/2026 with following terms and conditions;

1. **This authorization shall be valid for a period from the date of issue to 30/06/2026.**
2. **Industry is authorized to generate, storage, dispose the following Hazardous and Other wastes in accordance with the method authorized in Column no. (4)**

Category of Hazardous Waste as HWM Rules	Description of the Hazardous / Other Waste	Authorized Quantity In MT/A	Mode of disposal or recycling or utilization Authorized by the Board
5.1	Used Oil	0.837 MT/A	Shall be stored in secured manner and handed over to KSPCB Authorized re-processor / recyclers.
5.2	Wastes Residues Containing Oil	0.40 MT/A	Shall be Stored in secured manner and handed over to KSPCB Authorized cement kiln for co-processing/ Alternate Fuel and raw material processing unit / incinerator.
33.1	Empty barrels/ containers/ liners contaminated with hazardous chemicals /wastes	3.0 MT/A	Shall be stored in secured manner and handed over to authorized recyclers.

SENIOR ENVIRONMENTAL OFFICER
Waste Management Cell-2

2. The Occupier of the facility (Generator) shall use e-manifest system (Web Portal) for generation of manifest as per Rule 18 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016, while disposing the Hazardous /Other Waste authorized facility. **The Occupier shall register to e-manifest Portal within 7 days time.**
3. The generator shall hand over the Hazardous Waste and Other Waste only to the authorized recycler /actual user of the waste after making appropriate entries in the Passbook issued by the Board to respective actual user as per Rule 6 (8) of H & OW(M & TM) Rules, 2016.
4. The Generator shall not generate and dispose any other Hazardous /Other Waste to any transporter/waste facilitator/TSDF/Incinerator/Co-processing without obtaining prior authorization of the Board under H & OW(M & TM) Rules, 2016
5. The Generator shall dispose off the "PVC and FRP waste, RO membrane etc., to authorized Cement Unit for co-processing/AFR in accordance with Guidelines prescribed by Central Pollution Control Board for *"Disposal of Thermoset Plastic Waste including Sheet Molding Compound (SMC)/ Fiber Reinforced Plastic (FRP)" available in CPCB web site.*
6. The priority for mode of disposal in case of incinerable waste shall be in the following order namely i) Co-processing in Cement Kiln ii) handing over to Alternate Fuels and Raw materials processing unit and iii) incineration and in case of land fillable waste, the priority shall be i) handing over to authorized cement kiln to use as alternate fuels and raw materials (AFR) or ii) handing over authorized TSDF.
7. The Occupier of the facility shall dispose off "Use lead Acid Batteries" by depositing /returning / handing over KSPCB authorized dealer, manufacturer, registered recycler as per the Batteries (Management and Handling) Rules, 2022.
8. The Occupier shall install display Board within 30 days. In front of the industry at prominent location easily accessible to general Public. The Board shall be as per the specification of CPCB for depicting the information regarding activity and waste management and information shall be regularly updated.
9. <u>The industry shall submit point wise compliance within 30 days.</u>

4/11/23

SENIOR ENVIRONMENTAL OFFICER
Waste Management Cell-2

Annexure-IV




Boiler with stack




ETP




ETP




ETP




ETP




ETP





ETP





Fire Extinguisher





OCEMS Connected to kspcb server



Safety awareness & Health checkup Camps






Health Checkup Camps




Plantation Photographs



Green belt photographs

Annexure V

ANNEXURE-4

PAPER ADVERTISEMENT

ಸಾರ್ವಜನಿಕ ಪ್ರಕಟಣೆ	PUBLIC NOTICE
ಪರಿಣಾಮ ಅಂದಾಜೀಕರಣ ಪ್ರಾಧಿಕಾರ, ಕರ್ನಾಟಕ [ಭಾರತ ಸರ್ಕಾರದ ಪರಿಸರ ಮತ್ತು ಅರಣ್ಯ ಸಚಿವಾಲಯದವರು ರಚಿಸಲ್ಪಟ್ಟಿದೆ] ಇವರು ಮೆ॥ ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿಮಿಟೆಡ್ ರವರ ಕಾರ್ಖಾನೆಯು 10,000 ಟಿಪಿಡಿ ಕಬ್ಬು ನುರಿಸುವ ಘಟಕ, 38 ಮೆಗಾವ್ಯಾಟ್/ಘಂಟೆಗೆ ಸಹವಿದ್ಯುತ್ ಘಟಕ, 90 ಕೆಎಲ್‌ಪಿಡಿ ಡಿಸ್ಟಿಲರಿ ಮತ್ತು 3 ಮೆಗಾವ್ಯಾಟ್/ಘಂಟೆಗೆ ಇನ್ಸಿನೆರೇಷನ್ ಬಾಯ್ಲರ್‌ನ ಸ್ಥಾಪನೆಯನ್ನು ಸರ್ವೇ ನಂ 24, 25/4, 25/5, 25/6, 32/1, 32/2 ಬ್ಯಾಲಿಹಾಳ್ ಗ್ರಾಮ 219, 221, 222/1ಎ, 222/1ಬಿ 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 ಬಿ ಕೆ ಯೆರಗಲ್, ಸಿಂದಗಿ ತಾಲ್ಲೂಕು, ವಿಜಯಪುರ ಜಿಲ್ಲೆ, ಕರ್ನಾಟಕ ರಾಜ್ಯ ಇಲ್ಲಿ ನಿರ್ಮಿಸಲು ದಿನಾಂಕ 01.10.2019ರ ಪತ್ರ ಸಂಖ್ಯೆ ಎಸ್‌ಇಐಎಎ:27:ಐಎನ್‌ಡಿ:2019ರಲ್ಲಿ ಪರಿಸರ ವಿಮೋಚನಾ ಪತ್ರವನ್ನು ನೀಡಿರುತ್ತಾರೆ. ಈ ಪರಿಸರ ವಿಮೋಚನಾ ಪತ್ರವನ್ನು ರಾಜ್ಯ ಮಟ್ಟದ ಪರಿಸರ ಪರಿಣಾಮ ಅಂದಾಜೀಕರಣ ಪ್ರಾಧಿಕಾರ, ಕರ್ನಾಟಕ ರವರ ವೆಬ್‌ಸೈಟ್ http://www.seiaa.kar.nic.in ಅಥವಾ http://www.seiaa.karnataka.gov.in ಇಲ್ಲಿ ನೋಡಬಹುದಾಗಿದೆ ಹಾಗೂ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಲ್ಲಿಯೂ ಸಹ ಲಭ್ಯವಿರುತ್ತದೆ.	This is to inform the public that **STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, KARNATAKA** (Constituted by Ministry of Environment & Forests, Government of India) has issued the Environmental Clearance to **M/s Sangamnath Sugars Ltd** vide letter **No. SEIAA: 27: IND: 2019** dated 01.10.2019 for **"Establishment of 10,000 TCD Sugar Unit, 38 MW/Hr & Cogeneration Unit and 90 KLPD Distillery along with Incineration Boiler to Generate 3MW/Hr Power at Sy No's 24, 25/4, 25/5, 25/6, 32/1, 32/2 of Byalihal Village 219, 221, 222/1A, 222/1B, 223/1, 223/2, 224/1, 224/2, 224/3, 224/4, 224/5 of B K Yeragal, Sindagi Taluk, Vijapura District, Karnataka State.** **The Environmental Clearance issued by the State Level Environment Impact Assessment Authority, Karnataka** can be accessed at the web site http://www.seiaa.kar.nic.in or http://www.seiaa.karnataka.gov.in.
Prajavaani, dated:18.10.2019	Deccan Herald, dated:18.10.2019

Annexure -VI

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನಡವಳಿಗಳು

ವಿಷಯ:- ಶ್ರೀ ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿಮಿಟೆಡ್ ಇವರು ಸ್ಥಾಪಿಸಲು ಉದ್ದೇಶಿಸಿರುವ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆಗೆ ಭೀಮಾ ನದಿಯ ಫತ್ತರಗಾ ಬ್ಯಾರೇಜ್‌ನಿಂದ ನೀರು ಎತ್ತಿ ಉಪಯೋಗಿಸಲು ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

***

ಓದಲಾಗಿದೆ :- (1) ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಭಾಜನಿನಿ ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ: ವ್ಯನಿ/ತಾಂಸ- 2/139/1/2022-23/660, ದಿನಾಂಕ:24/05/2022.

(2) ದಿನಾಂಕ:04/08/2022 ರಂದು ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ರವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಜರುಗಿದ ಸಭೆಯ ನಡವಳಿ.

ಪ್ರಸ್ತಾವನೆ:

ಮೇಲೆ ಓದಲಾದ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಷ್ಣಾ ಭಾಗ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ ರವರ ಪತ್ರದಲ್ಲಿ ಮೆ:ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ, ಹುಬ್ಬಳ್ಳಿ ಇವರು ಸಿಂದಗಿ ತಾಲ್ಲೂಕಿನ, ಯರಗಲ್ (ಬಿಕೆ) ಗ್ರಾಮದ ಹತ್ತಿರ ಸ್ಥಾಪಿಸಲು ಉದ್ದೇಶಿಸಿರುವ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆಗೆ ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆಯ ಆದೇಶ ದಿನಾಂಕ:18/08/2011 ಮತ್ತು 08/07/2019 ರಲ್ಲಿ ಅನುಮೋದನೆ ದೊರಕಿರುತ್ತದೆ ಎಂದು ತಿಳಿಸಲಾಗಿದೆ.

ಮುಂದುವರೆದು, ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ರಾಂಪೂರ ರವರು ಮೆ: ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ, ಯರಗಲ್ (ಬಿಕೆ) ಕಾರ್ಖಾನೆಯ ನೀರನ್ನು ಸಂಗ್ರಹಿಸುವ ಸ್ಥಳ ಹಾಗೂ ನೀರು ಎತ್ತುವ ಸ್ಥಳ ಪರಿಶೀಲಿಸಲಾಗಿ ನೀರನ್ನು ಸರಿ ಸುಮಾರು 75 ಲಕ್ಷ ಲೀಟರ್ ಸಂಗ್ರಹಿಸುವ ವ್ಯವಸ್ಥೆ ಕಲ್ಪಿಸಲು ಯೋಜನೆ ಇದ್ದು ಹಾಗೂ ನೀರು ಎತ್ತುವ ಸ್ಥಳದಲ್ಲಿ 50 ಹೆಚ್.ಪಿ. ಮೋಟಾರ್ ನಿಂದ ಗಂಟೆಗೆ 125 ಕ್ಯೂಬಿಕ್ ಮೀಟರ್ ನೀರನ್ನು ಎತ್ತಲು, ಅಂದರೆ ದಿನಕ್ಕೆ 2000 ಕ್ಯೂಬಿಕ್ ಮೀಟರ್ ನೀರನ್ನು ದಿನದ 16 ಗಂಟೆ ನೀರನ್ನೆತ್ತಿ ಸಂಗ್ರಹಿಸಬಹುದಾಗಿದೆ. ಭೀಮಾ ನದಿ ಪಾತ್ರದಲ್ಲಿ ಮುಂಗಾರು ಋತುವಿಗೆ ಅಂದರೆ ಮಳೆಗಾಲದ ಸಮಯದಲ್ಲಿ ಜುಲೈ ತಿಂಗಳಿನಿಂದ ಸೆಪ್ಟೆಂಬರ್ ತಿಂಗಳವರೆಗೆ (90 ದಿವಸ) ಅವಧಿಯವರೆಗೆ ಫತ್ತರಗಾ ಬ್ಯಾರೇಜಿನ FRL ಮಟ್ಟದಿಂದ ಮೇಲೆ ನೀರು ಹರಿಯುತ್ತಿರುವಾಗ ಮಾತ್ರ ದಿನ:ಪ್ರತಿ 2000 ಕ್ಯೂಬಿಕ್ ಮೀಟರ್ ನೀರಿನ ಪ್ರಮಾಣದಂತೆ 90 ದಿನ ಒಟ್ಟಾರೆ 0.0063 ಟಿ.ಎಂ.ಸಿ. surface run off ನೀರನ್ನು ಮಾತ್ರ ಬಳಸಲು ಅನುಮತಿ ನೀಡಬಹುದಾಗಿರುತ್ತದೆ ಎಂದು ಶಿಫಾರಸ್ಸಿನೊಂದಿಗೆ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಸಲ್ಲಿಸಿರುತ್ತಾರೆ ಎಂದು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಷ್ಣಾ ಭಾಗ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ ರವರ ವರದಿ ಮಾಡಿರುತ್ತಾರೆ.

ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ರಾಂಪೂರ ರವರ ಶಿಫಾರಸ್ಸಿನಂತೆ ಮೆ: ಸಂಗಮನಾಥ, ಶುಗರ್, ಲಿಮಿಟೆಡ್, ಯರಗಲ್ ಇವರಿಗೆ ಯರಗಲ್ ಬಿ. ಕೆ. ಕಾರ್ಖಾನೆಗೆ ಫತ್ತರಗಾ ಬ್ಯಾರೇಜಿನಿಂದ (ಭೀಮಾ ನದಿ) ಪ್ರತಿದಿನ 2 ದಶಲಕ್ಷಗಳಾಗಿದ್ದು, ಅಂದರೆ 0.015 ಟಿಎಂಸಿ ನೀರನ್ನು ಎತ್ತಿ 210 ದಿನಗಳವರೆಗೆ ಉಪಯೋಗಿಸಿಕೊಳ್ಳಲು ಹಾಗೂ ಸರ್ಕಾರವು ಕಾಲದಿಂದ ಕಾಲಕ್ಕೆ ಪರಿಷ್ಕರಿಸುವ ನೀರಿನ ಕರವನ್ನು ಭರಿಸುವ ಷರತ್ತಿನೊಂದಿಗೆ ಅನುಮತಿಗಾಗಿ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಷ್ಣಾ ಭಾಗ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ ರವರು ಪ್ರಸ್ತಾವನೆಯನ್ನು ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ.

ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲಸಂಪನ್ಮೂಲ ಇಲಾಖೆ ಇವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ದಿನಾಂಕ:04/08/2.2022 ರಂದು ಜರುಗಿದ ಕೈಗಾರಿಕೆಗಳಿಗೆ ನೀರು ಹಂಚಿಕೆ ಕುರಿತು ರಚಿಸಲಾಗಿರುವ ಸಮಿತಿಯು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಭಾಜನಿನಿ ಇವರು ನೀಡಿರುವ ಅಭಿಪ್ರಾಯದ ವರದಿ ಪರಿಶೀಲಿಸಿ, ಚರ್ಚೆಯ ನಂತರ ಮೆ:ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿಮಿಟೆಡ್, ಯರಗಲ್ ಕಾರ್ಖಾನೆಗೆ ಘತ್ತರಗಾ ಬ್ಯಾರೇಜಿನಿಂದ (ಭೀಮಾ ನದಿ) ಪ್ರತಿದಿನ 2 MLD ನೀರನ್ನು ಎತ್ತಿ 210 ದಿನಗಳವರೆಗೆ (ವಾರ್ಷಿಕ 0.015 ಟಿ.ಎಂ.ಸಿ), ಸದರಿ ಕಾರ್ಖಾನೆಯ ಅವರಣದ ಶೇಖರಣಾ ವ್ಯವಸ್ಥೆ ನಿರ್ಮಿಸಿ ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿಕೊಂಡು ಉಪಯೋಗಿಸಲು ಸರ್ಕಾರವು ವಿಧಿಸುವ ಎಲ್ಲಾ ಷರತ್ತುಗಳನ್ನು ಪಾಲಿಸುವ ನಿಬಂಧನೆಗೆ ಒಳಪಟ್ಟು 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅನುಮತಿ ನೀಡಲು ಸಮಿತಿಯು ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿನ ಅಂಶಗಳನ್ನು ಕೂಲಕಂಷವಾಗಿ ಪರಿಶೀಲಿಸಿ, ಈ ಕೆಳಗಿನಂತೆ ಆದೇಶಿಸಿದೆ.

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ:ಜಸಂಇ 208 ಕೆಬಿಎನ್ 2022, ಬೆಂಗಳೂರು,
ದಿನಾಂಕ:14/09/2022.

ಮೆ:ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ ಇವರ ಸಿಂದಗಿ ತಾಲೂಕಿನ ಯರಗಲ್ (ಬಿಕೆ) ಗ್ರಾಮದ ಹತ್ತಿರ ಸ್ಥಾಪಿಸಲು ಉದ್ದೇಶಿಸಿರುವ ಕಾರ್ಖಾನೆಗೆ ಘತ್ತರಗಾ ಬ್ಯಾರೇಜಿನಿಂದ (ಭೀಮಾ ನದಿ) ಪ್ರತಿದಿನ 2 MLD ನೀರನ್ನು ಎತ್ತಿ 210 ದಿನಗಳವರೆಗೆ (ವಾರ್ಷಿಕ 0.015 ಟಿ.ಎಂ.ಸಿ), ಸದರಿ ಕಾರ್ಖಾನೆಯ ಅವರಣದ ಶೇಖರಣಾ ವ್ಯವಸ್ಥೆ ನಿರ್ಮಿಸಿ, ನೀರನ್ನು ಸಂಗ್ರಹಿಸಿಕೊಂಡು ಉಪಯೋಗಿಸಲು ಅನುಬಂಧದಲ್ಲಿ ಲಗತ್ತಿಸಿರುವ ಸರ್ಕಾರವು ವಿಧಿಸುವ ಎಲ್ಲಾ ಷರತ್ತುಗಳನ್ನು ಪಾಲಿಸುವ ನಿಬಂಧನೆಗೆ ಒಳಪಟ್ಟು 5 ವರ್ಷಗಳ ಅವಧಿಗೆ ಅನುಮತಿ ನೀಡಿ ಆದೇಶಿಸಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆಜ್ಞಾನುಸಾರ
ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ರವೀಂದ್ರ ಕೊಂಡ) 14/9/2022
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ (ತಾಂತ್ರಿಕ-5)
ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ

1. ಮಹಾಲೇಖಪಾಲರು (ಲೆಕ್ಕಪತ್ರ ಮತ್ತು ಆಡಿಟ್), ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು.
2. ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
3. ಸರ್ಕಾರದ ಕಾರ್ಯದರ್ಶಿಗಳು, ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು.
4. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೃಷ್ಣಾ ಭಾಗ್ಯ ಜಲ ನಿಗಮ ನಿಯಮಿತ, ಬೆಂಗಳೂರು.
5. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಜಲ ಸಂಪನ್ಮೂಲ ಅಭಿವೃದ್ಧಿ ಸಂಸ್ಥೆ, ಬೆಂಗಳೂರು.
6. ಮುಖ್ಯ ಇಂಜಿನಿಯರ್, ಕೃಭಾಜನಿನಿ, ಕಾಲುವೆ ವಲಯ-2, ರಾಂಪುರ.
7. ಸರ್ಕಾರದ ಉಪ ಕಾರ್ಯದರ್ಶಿ (ಕೃಭಾಜನಿ), ಜಲ ಸಂಪನ್ಮೂಲ ಇಲಾಖೆ, ಬೆಂಗಳೂರು.
8. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಮೆ:ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ, ಯರಗಲ್ (ಬಿಕೆ) ಸಿಂದಗಿ ತಾಲ್ಲೂಕು, ವಿಜಯಪುರ ಜಿಲ್ಲೆ.
9. ಶಾಖಾ ರಕ್ಷಕ ಕಡತ / ಹೆಚ್ಚುವರಿ ಪ್ರತಿಗಳು.

CONDITIONS

ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ:ಜಸಂಇ 208 ಕೆಬಿಎನ್ 2022, ದಿನಾಂಕ: 14/09/2022 ಕ್ಕೆ ಪರತ್ತುಗಳು.

1. This permission is valid for 5 years & further renewal shall be subject to availability of water.
2. Company should make its own arrangements for lifting water from Ghattargha Barrage (Bhima river) required for the industry.
3. Measuring devices should be installed both at the entrance and the exit of the factory premises and the readings should be recorded in separate registers. These devices should always be in working condition.
4. Approval of the Water Resources Department should be obtained before locating the lifting point and also for other lifting arrangements.
5. Factory should pay the prevailing water charges fixed for the industrial use to the Nigam/Government.
6. Permission now accorded is based on the availability of water in Ghathargha Barrage (Bhima river). Therefore the Government/Nigam is not responsible for the loss incurred by the factory on account of non-availability of water in course of time.
7. Factory should seek permission/clearance from the Pollution Control Board before lifting the water.
8. Water should be lifted and used in such away that the drinking water schemes, irrigation systems or any other such facility just below the lifting point, is not affected.
9. Water should be utilized only for the purpose for which the permission is now given.
10. The quantity of water to be utilized by the factory and the time of drawal is for all 12 months in a year.
11. The company should bear the entire cost for any damages caused, if any during the execution of work by the concerned factory.
12. If for any reason, any dispute arises at the time of construction/operation of the factory, the company should settle such disputes at its own cost. In case Government has to bear any such expenditure, the company should reimburse all such expenditure to the Government.
13. Prior permission of Officers of the Water Resources Department/Nigam should be taken before construction of building or fixing of pumps by the company in the Government land.
14. Prior to using the water, the company should install the measuring devices and the approval of the officers of the WRD/Nigam should be obtained.
15. For any reason the permission now given can be withdrawn with one month prior notice and for any reason what-so- ever permission could also be cancelled.
16. The company should enter into an agreement, incorporating all the terms and conditions and an undertaking should be given to the Executive Engineer of the Government/Nigama before commencement of any work.

14/9/2022

17. The company should make its own storage facility for yearly requirement & should fill up the same during the months of July and August of every year.

18. In case of scarcity of water the company should stop lifting water. For this, the concerned Chief Engineer is empowered to take suitable action.

19. The Industry shall discharge the used water well treated to (CPHEEO/BIS/KPSCB) standards and in case of failure for not treating the water, the permission given will be un-conditionally withdrawn.

20. In case of any disputes (Administrative or Legal or Combination of both) the Industry shall settle the matter at its own cost.

21. The industry should enter into an agreement with an Officer as indicated by the Chief Engineer, KBJNL, Canal Zone, Rampur, incorporating all above conditions.

22. The Industry shall be well informed that in case of failure to comply to any of the above conditions, the permission accorded to the Industry for the drawal of water either from the Water Resources Department or nigama will be withdrawn with one month prior notice.

23. As there is constant research and development in technology the company should adopt new technologies in near future to reduce the consumption of the water.

24. The industry should explore the conjunctive use of water from the bore wells and bring down surface water requirement.

25. Integrated use of water in all the units of the factory should be adopted and savings should be achieved and accounted for.

26. In case of violation of any of the above conditions the permission now given could be withdrawn without assigning any reason thereof with one prior notice.

14/9/2022

Annexure-VII

Office : Yergal B.K. & Byallihal Village,
Sindagi Tq, Vijayapura – 586123.KARNATAKA.
M : 8147043444, **Email :** sales@sangamnathsugars.com
GST No. 29AAQCS9800F1ZW **PAN No :** AAQCS9800F

SANGAMNATH SUGARS LTD

Duplicate For Supplier

TAX INVOICE

(Issue of Invoice Under section 31 of GST ACT, 2017)

Invoice No.	: A00009	Range	: Bijapur-C
Invoice Date	: 11/04/2024	Division	: Bijapur
E-Way Bill No.	:	Commissionarate	: Belagavi
E-Way Bill Date	:	Mode of Transport	: By Road
E-Way Bill Valid Date	:	Vehicle No.	: KA525534

Details of Receiver (Bill To) :		**Details of Consignee (Shipped To)**	
BASANAGOUDA SHANTHAGOUDA BIRADAR		**BASANAGOUDA SHANTHAGOUDA BIRADAR**	
AT POST YARAGALLA TQ MUDDEBHIHAL VIJAYPUR, KARNATAKA		AT POST YARAGALLA TQ MUDDEBHIHAL VIJAYPUR	
GSTIN	: 0	GSTIN	: 0
State	: KARNATAKA	State	: KARNATAKA
PAN NO	: GHPPB3772L	PAN NO	: GHPPB3772L
PIN CODE	: 586129	PIN CODE	: 586129

Ref. No :

Sr.No	Description & Specification OF Goods	HSN Code	Unit OF Quantity.	Quantity	Rate	Discount	Amount(Rs)
1	ASH 11:-11/04/2024	2620	MT	8.86	350.00	0.00	3101.00
				Assessable Value			3101.00
				S.G.S.T. @		2.5 %	77.53
				C.G.S.T. @		2.5 %	77.53
				I.G.S.T. @			0.00
				Total GST Amount			**155.06**
				ROUND UP			-0.06
				Total Tax			**155.00**
				Total Invoice Value			**3256.00**

Grand Total In Words :- Three Thousand Two Hundred Fifty Six Only.

Commercial Terms & Conditions :-

1. All disputes are subject to Vijayapura Dist. jurisdiction.
2. Our responsibility ceases once goods are removed from the factory & no claim of shortage or loss etc. on any account will be entertained

Declaration :-

Certified that the particulars given above are true & correct and the price actually charged & that there is no flow additional consideration directly or indirectly from the buyer

For Sangamnath Sugars Limited

SANGAMNATH SUGARS LTD * YARGAL (B K) 586123 TQ: SINDAGI * DIST: VIJAYAPURA

Authorized Signatory

Prepared By

CamScanner

Cash

Office : Yergal B.K. & Byallihal Village,
Sindagi Tq, Vijayapura – 586123.KARNATAKA.
M : 8147043444, **Email :** sales@sangamnathsugars.com
GST No . 29AAQCS9800F1ZW **PAN No :** AAQCS9800F

SANGAMNATH SUGARS LTD

Triplicate For Supplier

TAX INVOICE

(Issue of Invoice Under section 31 of GST ACT, 2017)

Invoice No.	: P00277	Range	: Bijapur-C
Invoice Date	: 13/05/2024	Division	: Bijapur
E-Way Bill No.	:	Commissionarate	: Belagavi
E-Way Bill Date	:	Mode of Transport	: By Road
E-Way Bill Valid Date	:	Vehicle No.	: KA28TD2250

Details of Receiver (Bill To) :	**Details of Consignee (Shipped To)**
SHAMASHADABEGAM BASKAR BALIKAYI	**SHAMASHADABEGAM BASKAR BALIKAYI**
YANKANCHI	YANKANCHI
GSTIN :	GSTIN :
State : KARNATAKA	State : KARNATAKA
PAN NO :	PAN NO :
PIN CODE :	PIN CODE :

Ref. No :

Sr.No	Description & Specification OF Goods	HSN Code	Unit OF Quantity.	Quantity	Rate	Discount	Amount(Rs)
1	PRESS MUD 283:-13/05/2024	23032000	MT	7.69	700.00	0.00	5383.00
				Assessable Value			5383.00
				S.G.S.T. @		2.5 %	134.57
				C.G.S.T. @		2.5 %	134.57
				I.G.S.T. @			0.00
				Total GST Amount			**269.14**
				ROUND UP			-0.14
				Total Tax			**269.00**
				Total Invoice Value			**5652.00**

Grand Total In Words :- Five Thousand Six Hundred Fifty Two Only.

Commercial Terms & Conditions :-

1. All disputes are subject to Vijayapura Dist. jurisdiction.
2. Our responsibility ceases once goods are removed from the factory & no claim of shortage or loss etc. on any account will be entertained

Declaration :-

Certified that the particulars given above are true & correct and the price actually charged & that there is no flow additional consideration directly or indirectly from the buyer

For Sangamnath Sugars Limited

SANGAMNATH SUGARS LTD * YARGAL (B K) 586123 TQ: SINDAGI * Dist: VIJAYAPUR

Authorized Signatory

Prepared By

CamScanner

Annexure-VIII

Glimpse of Medical Health Checkup Camp




ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ




ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ


ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ. ಯರಗಲ್.ಜಿ.ಕ
ತಾ॥ ಸಿಂದಗಿ ಜಿ॥ ವಿಜಯಪುರ
ಕಾರ್ಖಾನೆಯ ಎಲ್ಲಾ ಕಾರ್ಮಿಕರು ಹಾಗೂ ಸಿಬ್ಬಂದಿಗಳಿಗೆ
ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ
ದಿನಾಂಕ: 26-08-2023


ಸಂಗಮನಾಥ ಶುಗರ್ಸ್ ಲಿ. ಯರಗಲ್.ಜಿ.ಕ
ತಾ॥ ಸಿಂದಗಿ ಜಿ॥ ವಿಜಯಪುರ
ಕಾರ್ಖಾನೆಯ ಎಲ್ಲಾ ಕಾರ್ಮಿಕರು ಹಾಗೂ ಸಿಬ್ಬಂದಿಗಳಿಗೆ




OPPO Reno8 Pro 5G
ORP PA | Yargal, Belgaum Division | 2023.08.26 17:28






2023.08.26 12:27
GREAT WHITE


OPPO Reno8 Pro 5G
ORP PA | Yargal, Belgaum Division | 2023.08.26 13:29


ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ

ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ

ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ





ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ






2023










ಸಂಗಮನಾಥ ನಗರ್ಲ ಮತ್ತು ಯುವಜನಜಾತ್ರ
ತಾಲೂ ಸಿಂದಗಿ
ಜಿ ವಿಜಯಪುರ
ಆರೋಗ್ಯ ತಪಾಸಣಾ ಶಿಬಿರ
26-08-2023













FORM No. 16

HEALTH REGISTER

Name of the Factory : Sangamnath Sugars Limited **Address : Mannapur to Guttaragi Road, Yaragal B.K & Byalihal Village Sindagi Taluk, Vijayapura(Bijapura) Karnataka-586123**

Sl. No	1	2	3	4	5	6
Department/Works	Admin & Tech	GENERAL ACCOUNTS	GENERAL ACCOUNTS	GENERAL ACCOUNTS	GENERAL ACCOUNTS	GENERAL ACCOUNTS
Name of Worker	KALLEPALLI NAGABHUSHANA RAO	ARAVINDSINGH RAJAPUT	MALLAPPA SURESH MALI	SANDEEP ARJUNSA BADI	SANTOSHSINGH HANUMANSINGH BORDE	MANJUNATH BASAVARAJ KUBASAD
Sex	Male	Male	Male	Male	Male	Male
Age (at last birth day)	48	32	32	38	39	39
Date of employment on present work	16/11/2022	01/10/2020	01/10/2020	01/10/2020	01/10/2020	01/10/2020
Date of leaving or transfer to other work-with reasons						
Nature of job or occupation	Vice President	CASHIER	SR. ACCOUNTANT	CFO	CASHIER	ACCOUNTANT
Raw materials products or by-products likely to be exposed to						
Dates of medical examination and the results thereof: Dates	26/08/2023	26/08/2023	26/08/2023	26/08/2023	26/08/2023	26/08/2023
Dates of medical examination and the results thereof: Results Fit or Unfit	fit	fit	fit	fit	fit	fit
Signs and symptoms observed during examination						
Nature of tests and results thereof	BP-120/80 Sug-142 Wt-72	BP-120/80 Sug-128 Wt-88	BP-120/80 Sug-110 Wt-365	BP-120/80 Sug-118 Wt-70	BP-120/80 Sug-90 Wt-74	BP-120/80 Sug-82 Wt-73
If declared unfit for work, state period of suspension with						
Whether certificate of unfitness issued to the worker						
Re-certified fit to resume duty on						
Signature of the Certifying Surgeon with date			Medical Officer, Primary Health Centre, Malaghan Tq: Sindagi. Dist: Vijayapur.			

FORM No. 16

HEALTH REGISTER

Name of the Factory : Sangamnath Sugars Limited **Address : Mannapur to Guttaragi Road, Yaragal B.K & Byalihal Village Sindagi Taluk, Vijayapura(Bijapura) Karnataka-586123**

Sl. No	Department/Works	Name of Worker	Sex	Age (at last birth day)	Date of employment on present work	Date of leaving or transfer to other work-with reasons	Nature of job or occupation	Raw materials products or by-products likely to be exposed to	Dates of medical examination and the results thereof: Dates	Dates of medical examination and the results thereof: Results Fit or Unfit	Signs and symptoms observed during examination	Nature of tests and results thereof	If declared unfit for work, state period of suspension with	Whether certificate of unfitness issued to the worker	Re-certified fit to resume duty on	Signature of the Certifying Surgeon with date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
19	CANE	YALLALING SHIVARYA PUJARI	Male	33	05/01/2021		CANE OFFICER		26/08/23	Fit		BP-120/80 Sug. 140 ಅ.ಗ-72				
20	CANE	SIDDALING	Male	25	05/01/2021		CANE SUPERVISOR		26/08/23	Fit		BP-122/82 Sug-85 ಅ.ಗ-57				
21	CANE	SHARANAPPA JIDDIMANI	Male	37	05/01/2021		CANE OFFICER		26/08/23	Fit		BP-112/82 Sug-144 ಅ.ಗ-65				
22	CANE	RUDRAGOUDA SIDDANAGOUDA BIRADAR	Male	35	05/01/2021		SR. CANE OFFICER		26/08/23	Fit		BP-120/80 Sug-284 ಅ.ಗ-53				
23	CANE	YALLAPPA CHANABASAPPA PUJARI	Male	35	05/01/2021		CANE SUPERVISOR		26/08/23	Fit		BP-112/80 Sug-106 ಅ.ಗ-113				
24	CANE	BHAGAPPA	Male	43	05/01/2021		SR. CANE OFFICER		26/08/23	Fit		BP-120/80 Sug-142 ಅ.ಗ-72				

Medical Officer,
Primary Health Centre, Malaghan
Tq: Sindagi. Dist: Vijayapur.

FORM No. 16

HEALTH REGISTER

Name of the Factory : Sangamnath Sugars Limited **Address : Mannapur to Guttaragi Road, Yaragal B.K & Byalihal Village Sindagi Taluk, Vijayapura(Bijapura) Karnataka-586123**

Sl. No	Department/Works	Name of Worker	Sex	Age (at last birth day)	Date of employment on present work	Date of leaving or transfer to other work-with reasons	Nature of job or occupation	Raw materials products or by-products likely to be exposed to	Dates of medical examination and the results thereof: Dates	Dates of medical examination and the results thereof: Results Fit or Unfit	Signs and symptoms observed during examination	Nature of tests and results thereof	If declared unfit for work, state period of suspension with	Whether certificate of unfitness issued to the worker	Re-certified fit to resume duty on	Signature of the Certifying Surgeon with date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
73	CO-GEN	HARISH S KUMBAR	Male	27	03/10/2022		DCS OPERATOR		26/8/23	Fit		BP=130/80 Sug=76 Wt=67kg				
74	CO-GEN	SUNIL B HUGAR	Male	36	06/10/2022		OILMAN		26/8/23	Fit		BP-120/80 Sug-81 Wt-60				
75	CO-GEN	ARUN NADAGADDI	Male	30	06/10/2022		DCS ENGINEER		26/8/23	Fit		BP-120/80 Sug-97 Wt-67				
76	CO-GEN	ASHOK P KAMMAR	Male	47	06/10/2022		BOILER ATTD - I		26/8/23	Fit		BP-120/80 Sug-95 Wt-65				
77	CO-GEN	NISARAHMAD Y MULLA	Male	24	07/10/2022		MBC OPEARTOR		26/8/23	Fit		BP=120/80 Sug=93 Wt=63kg				
78	CO-GEN	VITTHA K PUJARI	Male	28	11/10/2022		FITTER - II		26/8/23	Fit		BP-120/70 Sug-115 Wt-60				

Medical Officer,
Primary Health Centre, Malaghan
Tq: Sindagi. Dist: Vijayapur.

FORM No. 16

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Sl. No	Department/Works	Name of Worker	Sex	Age (at last birth day)	Date of employment on present work	Date of leaving or transfer to other work-with reasons	Nature of job or occupation	Raw materials products or by-products likely to be exposed to	Dates of medical examination and the results thereof: Dates	Dates of medical examination and the results thereof: Results Fit or Unfit	Signs and symptoms observed during examination	Nature of tests and results thereof	If declared unfit for work, state period of suspension with	Whether certificate of unfitness issued to the worker	Re-certified fit to resume duty on	Signature of the Certifying Surgeon with date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
97	ELECTRICAL	SANGAPPA TOTAD	Male	29	11/10/2021		WIREMAN-A		26/8/23	Fit		BP-190/90 Sug-89 Wt-62				
98	ELECTRICAL	SHREESHAIL BASHETTI	Male	26	11/10/2021		WIREMAN-B		26/8/23	Fit		BP-118/80 Sug-82 Wt-53 KG				
99	ELECTRICAL	ASHOK A CHOUGULE	Male	35	18/10/2021		ELECTRICIAN		26/8/23	Fit		BP 118/80 Sug-100 Wt-52				
100	ELECTRICAL	ASHOK DEVINDRAPPA KONASIRASAGI	Male	46	02/11/2021		WIREMAN-A		26/8/23	Fit		BP 112/80 Sug-106 Wt-42				
101	ELECTRICAL	PAVADEPPA G BAGALAKOT	Male	27	06/10/2022		WIREMAN-A		26/8/23	Fit		BP-140/82 Sug-90 Wt-64				
102	ELECTRICAL	SHIVAKUMR G HIREMATH	Male	26	13/10/2022		WIREMAN-B		26/8/23	Fit		BP>100/60 Sug>81 Wt>67kg				

Medical Officer,
Primary Health Centre, Malaghan
Tq: Sindagi. Dist: Vijayapur.

FORM No. 16

HEALTH REGISTER

Name of the Factory : Sangamnath Sugars Limited **Address : Mannapur to Guttaragi Road, Yaragal B.K & Byalihal Village Sindagi Taluk, Vijayapura(Bijapura) Karnataka-586123**

Sl. No	Department/Works	Name of Worker	Sex	Age (at last birth day)	Date of employment on present work	Date of leaving or transfer to other work-with reasons	Nature of job or occupation	Raw materials products or by-products likely to be exposed to	Dates of medical examination and the results thereof		Signs and symptoms observed during examination	Nature of tests and results thereof	If declared unfit for work, state period of suspension with	Whether certificate of unfitness issued to the worker	Re-certified fit to resume duty on	Signature of the Certifying Surgeon with date
									Dates	Results Fit or Unfit						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
163	MECHANICAL	SHIVAKUMARM M KOMBIN	Male	33	13/10/2022		CANE UNLOAD OPR		24/8/22	Fit		BP-140/90 Sug-160 Wt-66				
164	MECHANICAL	KASHINATH BAGALI	Male	30	02/11/2022		FITTER - II		24/8/22	Fit		BP 124/80 Sug 110 Wt 60				
165	MECHANICAL	PRASHANT BABU GURAV	Male	28	08/11/2022		FITTER - II		24/8/22	Fit		BP 120/70 Sug 117 Wt 77				
166	MECHANICAL	KUMAR GAVADE	Male	27	08/11/2022		FITTER - II		24/8/22	Fit		BP 121/70 Sug 117 Wt 58				
167	MECHANICAL	GAJANAN CHALIKAR	Male	32	10/11/2022		FITTER - II		24/8/22	Fit		BP 120/70 Sug 100 Wt 75				
168	MECHANICAL	SANJEEVKUMAR PARE	Male	29	18/11/2022		FITTER (HELPER)		24/8/22	Fit		BP-140/91 Sug-134 Wt-78				

Medical Officer,
Primary Health Centre, Malaghan
Tq: Sindagi. Dist: Vijayapur.

FORM No. 16

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Sl. No	Department/Works	Name of Worker	Sex	Age (at last birth day)	Date of employment on present work	Date of leaving or transfer to other work-with reasons	Nature of job or occupation	Raw materials products or by-products likely to be exposed to	Dates of medical examination and the results thereof: Dates	Dates of medical examination and the results thereof: Results Fit or Unfit	Signs and symptoms observed during examination	Nature of tests and results thereof	If declared unfit for work, state period of suspension with	Whether certificate of unfitness issued to the worker	Re-certified fit to resume duty on	Signature of the Certifying Surgeon with date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
205	PROCESS	DAYANAND R BHANDARKAVATE	Male	29	04/12/2021		CENTRIFUGAL MATE		28/1/22	Fit		BP-125/80 Sug-117 Wt-55				
206	PROCESS	GOPAL D	Male	37	04/12/2021		PAN INCHARGE		28/1/22	Fit		BP-125/80 Sug-97 Wt-83				
207	PROCESS	SHANTAGOUDA BANAL	Male	53	13/12/2021		JUICE SUPERVISOR /MFG ASST		28/1/22	Fit		BP-150/100 Sug-120 Wt-63				Medical Officer, Primary Health Centre, Malaghan Tq: Sindagi. Dist: Vijayapur.
208	PROCESS	AKSHAY NATIKAR	Male	22	01/08/2022		ETP OPERATOR		28/1/22	Fit		BP-124/80 Sug-101 Wt-59				
209	PROCESS	SAIPANSAB KOODI	Male	32	22/08/2022		ETP SUPERVISOR CUM OPERATOR		28/1/22	Fit		BP-132/86 Sug-101 Wt-76				
210	PROCESS	SHIVARAJ B TELI	Male	26	06/10/2022		CLARIFIER ATTD		28/1/22	Fit		BP-124/80 Sug-97 Wt-54				

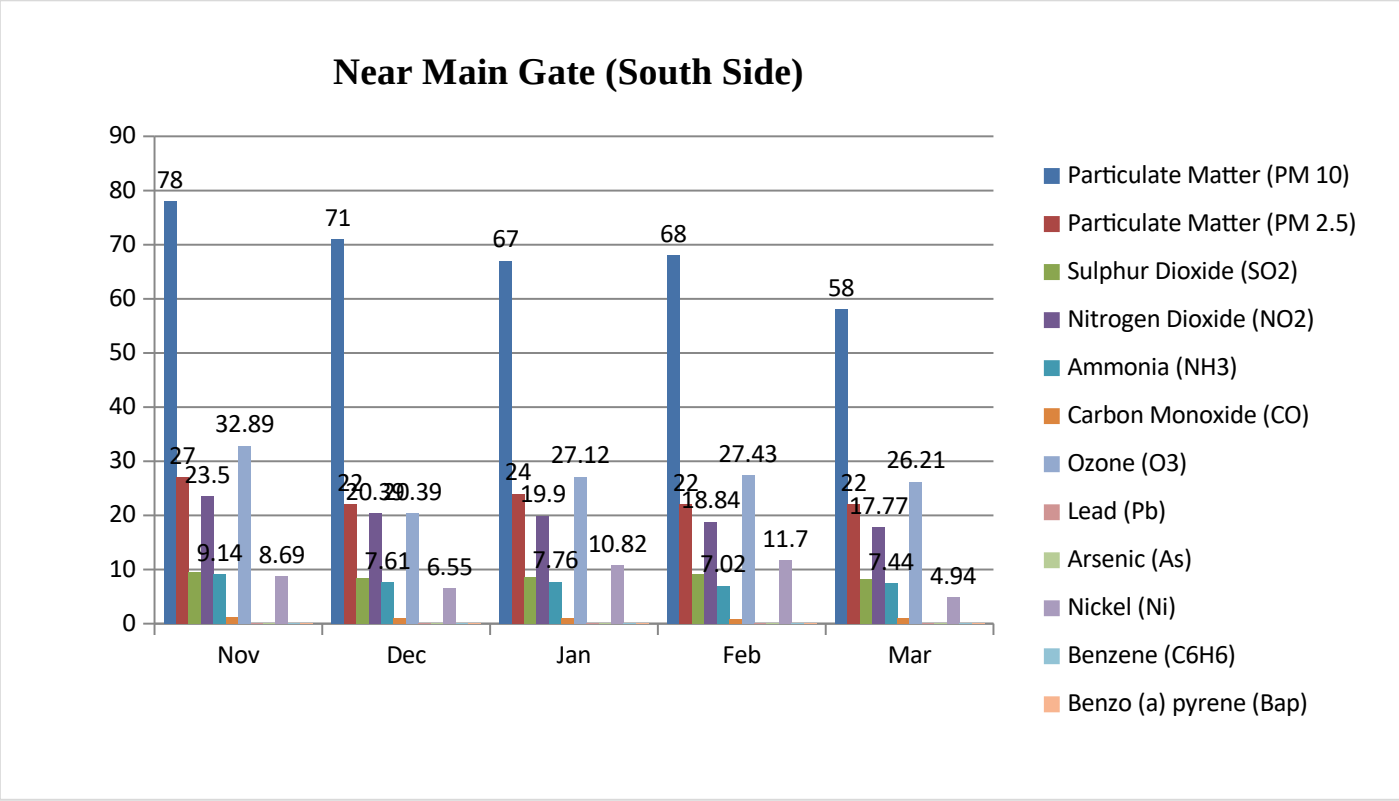
Annexure IX

Environmental Monitoring Results

Summary of Air Quality Analysis Report by M/s Sangamanath Sugars Pvt Ltd – Near Main Gate , October 2025 to March 2026

Sl. No.	Parameters	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	NAAQ Standards
1	Particulate Matter (PM_{10})	78	71	67	68	58	100
2	Particulate Matter ($PM_{2.5}$)	27	22	24	22	22	60
3	Sulphur Dioxide (SO_2)	9.47	8.40	8.54	9.16	8.23	80
4	Nitrogen Dioxide (NO_2)	23.50	20.39	19.90	18.84	17.77	80
5	Ammonia (NH_3)	9.14	7.61	7.76	7.02	7.44	400.0 (24 hr Average)
6	Carbon Monoxide (CO)	1.27	1.02	0.98	0.88	0.98	4.0 (1 hr Average)
7	Ozone (O_3)	32.89	20.39	27.12	27.43	26.21	180 (1 hr Average)
8	Lead (Pb)	BDL	0.01	0.02	0.03	0.01	1.0 (24 hr Average)
9	Arsenic (As)	BDL	BDL	BDL	BDL	BDL	6.0 (Annual Average)
10	Nickel (Ni)	8.69	6.55	10.82	11.7	4.94	20.0 (Annual Average)
11	Benzene (C_6H_6)	BDL	BDL	BDL	BDL	BDL	5.0 (Annual Average)
12	Benzo (a) pyrene (Bap)	BDL	BDL	BDL	BDL	BDL	1.0 (Annual Average)

As per the above analysis data, the average PM10, PM2.5, SO2 and NO2 values are well within the NAAQ standards,

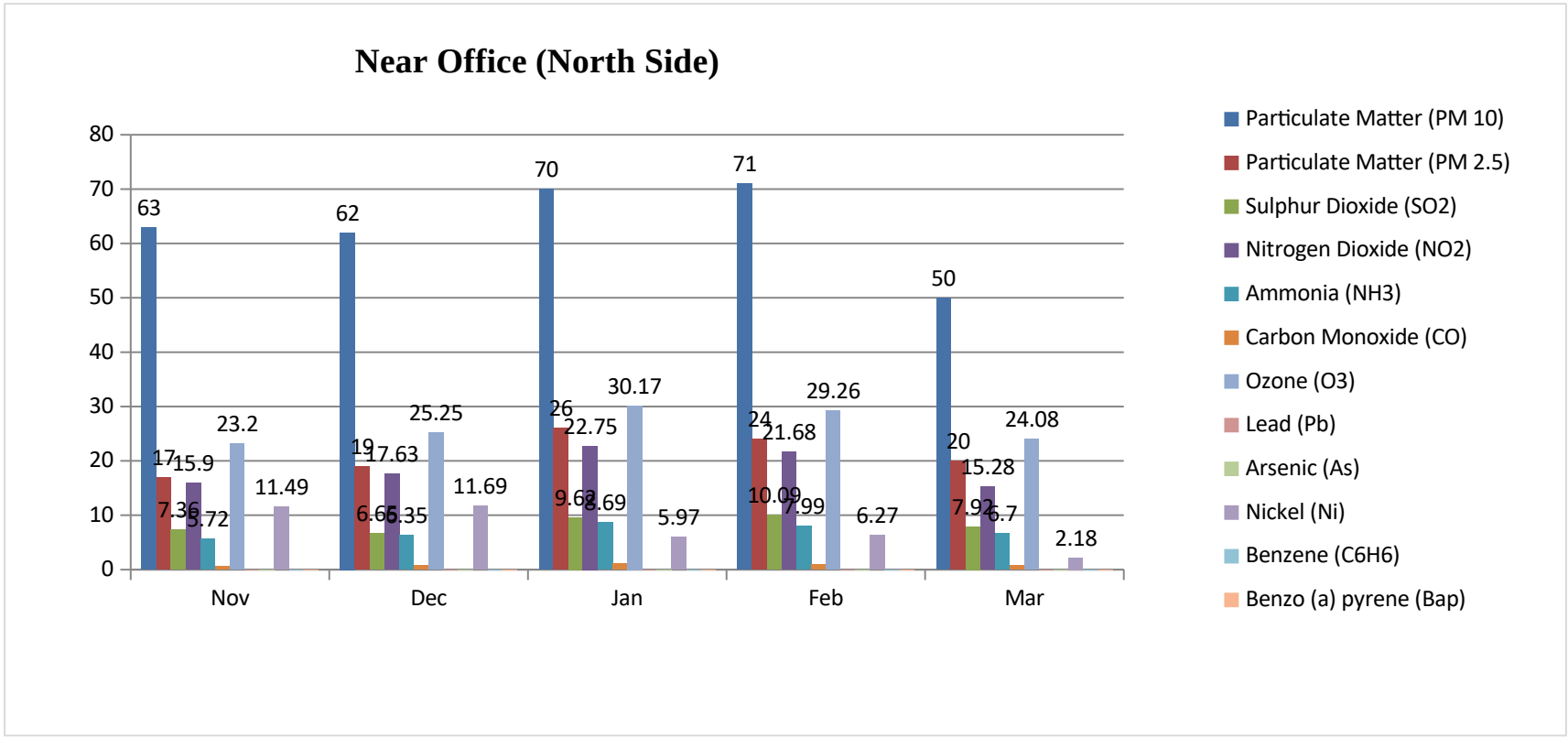

Near Main Gate (South Side)
90
80
70
60
50
40
30
20
10
0
Nov
Dec
Jan
Feb
Mar
78
27
23.5
9.14
32.89
8.69
71
22
20.39
7.61
6.55
67
24
19.9
7.76
27.12
10.82
68
22
18.84
7.02
27.43
11.7
58
22
17.77
7.44
26.21
4.94
Particulate Matter (PM 10)
Particulate Matter (PM 2.5)
Sulphur Dioxide (SO2)
Nitrogen Dioxide (NO2)
Ammonia (NH3)
Carbon Monoxide (CO)
Ozone (O3)
Lead (Pb)
Arsenic (As)
Nickel (Ni)
Benzene (C6H6)
Benzo (a) pyrene (Bap)

Summary of Air Quality Analysis Report by M/s Sangamanath Sugars Pvt Ltd – Near ETP (North side), October 2025 to March 2026

Sl. No.	Parameters	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	NAAQ Standards
1	Particulate Matter (PM_{10})	63	62	70	71	50	100
2	Particulate Matter ($PM_{2.5}$)	17	19	26	24	20	60
3	Sulphur Dioxide (SO_2)	7.36	6.65	9.62	10.09	7.92	80
4	Nitrogen Dioxide (NO_2)	15.90	17.63	22.75	21.68	15.28	80
5	Ammonia (NH_3)	5.72	6.35	8.69	7.99	6.70	400.0 (24 hr Average)
6	Carbon Monoxide (CO)	0.63	0.76	1.07	0.99	0.73	4.0 (1 hr Average)
7	Ozone (O_3)	23.20	25.25	30.17	29.26	24.08	180 (1 hr Average)
8	Lead (Pb)	0.02	0.01	0.01	0.01	0.01	1.0 (24 hr Average)
9	Arsenic (As)	BDL	BDL	BDL	BDL	BDL	6.0 (Annual Average)
10	Nickel (Ni)	11.49	11.69	5.97	6.27	2.18	20.0 (Annual Average)
11	Benzene (C_6H_6)	BDL	BDL	BDL	BDL	BDL	5.0 (Annual Average)
12	Benzo (a) pyrene (Bap)	BDL	BDL	BDL	BDL	BDL	1.0 (Annual Average)

As per the above analysis data, the average PM_{10}, $PM_{2.5}$, SO_2 and NO_2 values are well within the NAAQ standards,

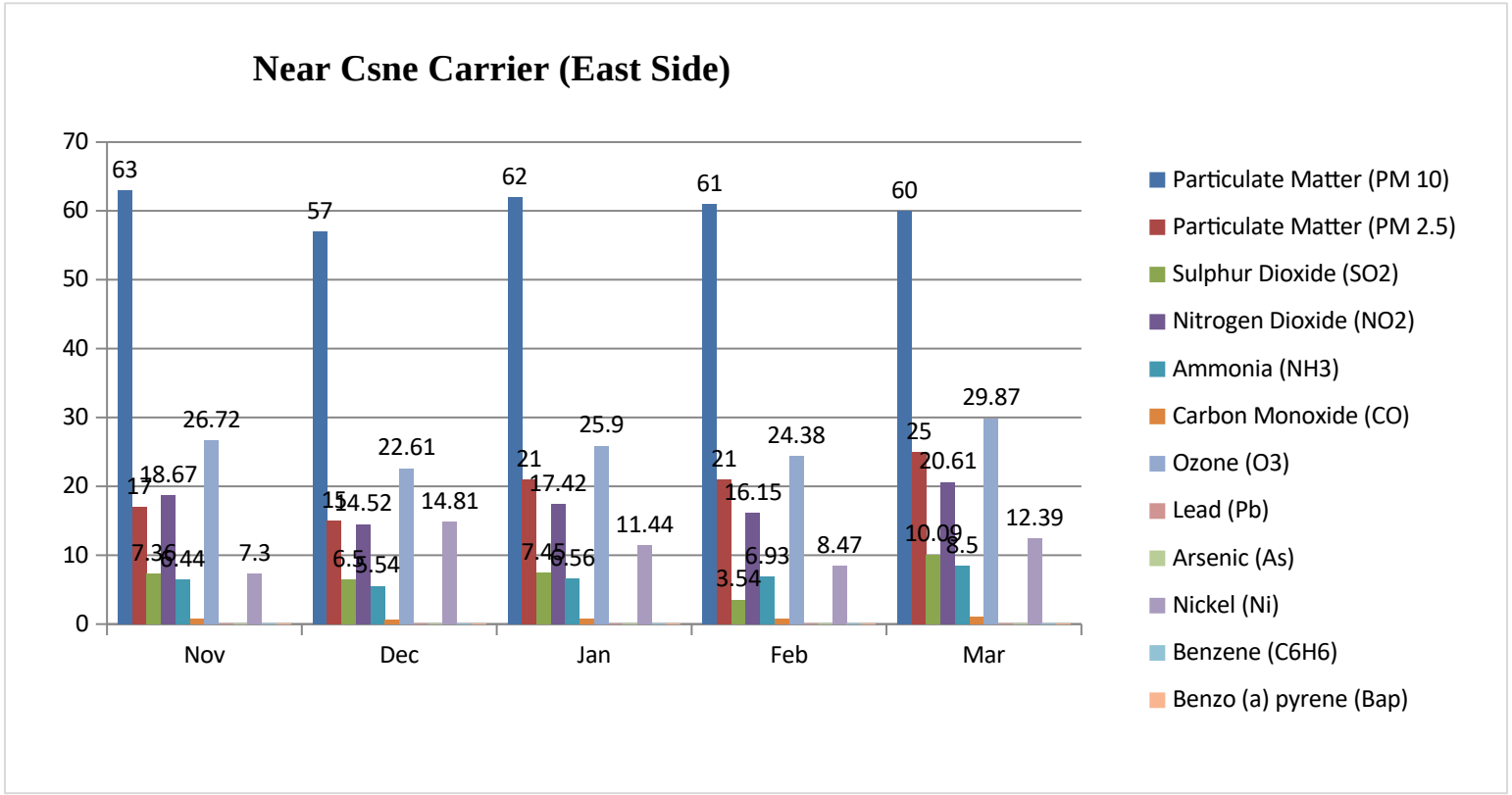
-


Near Office (North Side)
80
70
60
50
40
30
20
10
0
Nov
Dec
Jan
Feb
Mar
63
17
7.36
15.9
5.72
23.2
11.49
62
19
6.65
17.63
6.35
25.25
11.69
70
26
9.62
22.75
8.69
30.17
5.97
71
24
10.09
21.68
7.99
29.26
6.27
50
20
7.92
15.28
6.7
24.08
2.18
Particulate Matter (PM 10)
Particulate Matter (PM 2.5)
Sulphur Dioxide (SO2)
Nitrogen Dioxide (NO2)
Ammonia (NH3)
Carbon Monoxide (CO)
Ozone (O3)
Lead (Pb)
Arsenic (As)
Nickel (Ni)
Benzene (C6H6)
Benzo (a) pyrene (Bap)

Summary of Air Quality Analysis Report by M/s Sangamanath Sugars Pvt Ltd – Near Canteen Back side (South) , October 2025 to March 2026

Sl. No.	Parameters	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	NAAQ Standards
1	Particulate Matter (PM_{10})	63	57	62	61	60	100
2	Particulate Matter ($PM_{2.5}$)	17	15	21	21	25	60
3	Sulphur Dioxide (SO_2)	7.36	6.50	7.45	3.54	10.09	80
4	Nitrogen Dioxide (NO_2)	18.67	14.52	17.42	16.15	20.61	80
5	Ammonia (NH_3)	6.44	5.54	6.56	6.93	8.50	400.0 (24 hr Average)
6	Carbon Monoxide (CO)	0.85	0.63	0.86	0.75	1.02	4.0 (1 hr Average)
7	Ozone (O_3)	26.72	22.61	25.90	24.38	29.87	180 (1 hr Average)
8	Lead (Pb)	0.02	0.03	0.02	0.02	0.03	1.0 (24 hr Average)
9	Arsenic (As)	BDL	BDL	BDL	BDL	BDL	6.0 (Annual Average)
10	Nickel (Ni)	7.3	14.81	11.44	8.47	12.39	20.0 (Annual Average)
11	Benzene (C_6H_6)	BDL	BDL	BDL	BDL	BDL	5.0 (Annual Average)
12	Benzo (a) pyrene (Bap)	BDL	BDL	BDL	BDL	BDL	1.0 (Annual Average)

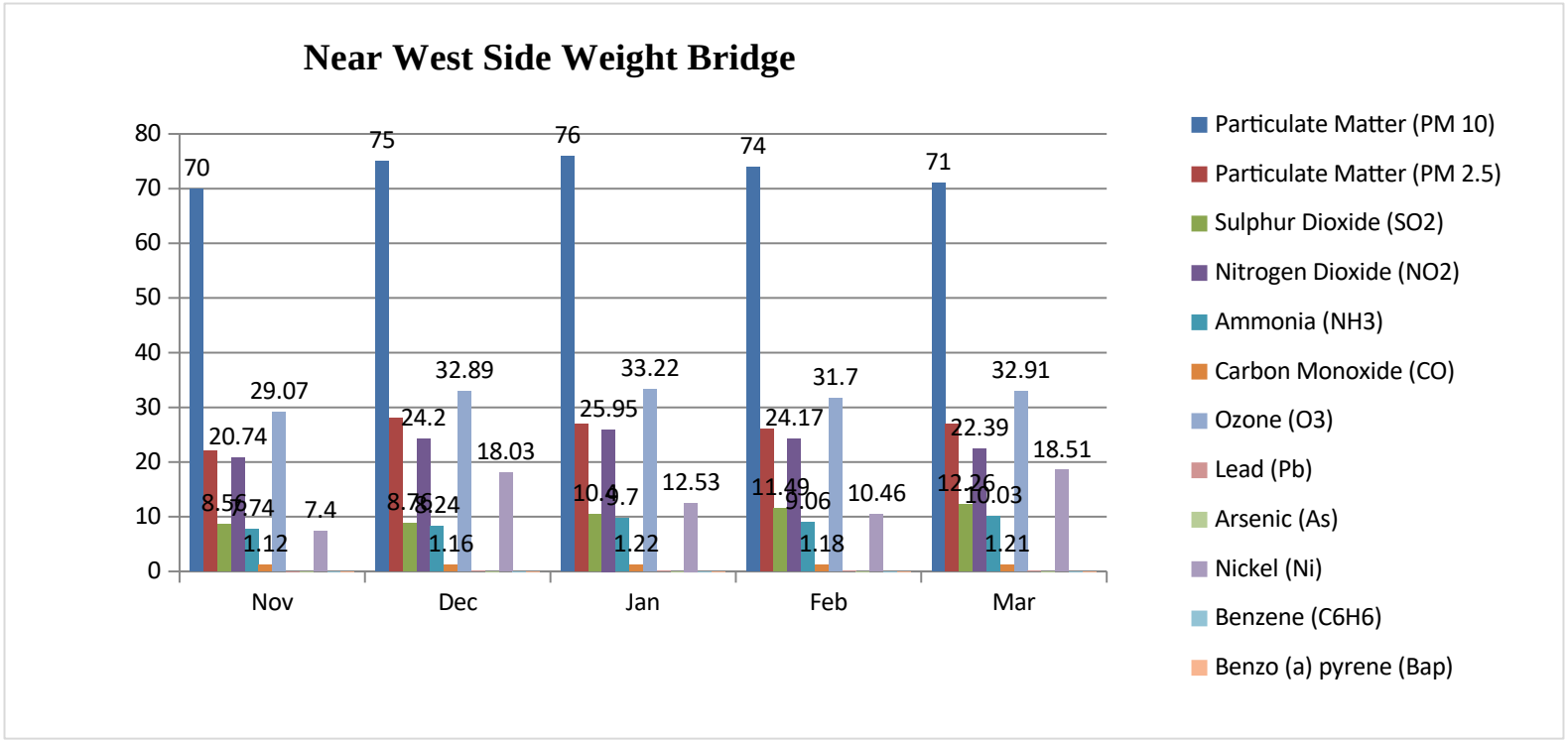
As per the above analysis data, the average PM_{10}, $PM_{2.5}$, SO_2 and NO_2 values are well within the NAAQ standards,


Near Csne Carrier (East Side)
70
60
50
40
30
20
10
0
Nov
Dec
Jan
Feb
Mar
63
17
7.36
18.67
6.44
26.72
7.3
57
15
6.5
14.52
5.54
22.61
14.81
62
21
7.45
17.42
6.56
25.9
11.44
61
21
3.54
16.15
6.93
24.38
8.47
60
25
10.09
20.61
8.5
29.87
12.39
Particulate Matter (PM 10)
Particulate Matter (PM 2.5)
Sulphur Dioxide (SO2)
Nitrogen Dioxide (NO2)
Ammonia (NH3)
Carbon Monoxide (CO)
Ozone (O3)
Lead (Pb)
Arsenic (As)
Nickel (Ni)
Benzene (C6H6)
Benzo (a) pyrene (Bap)

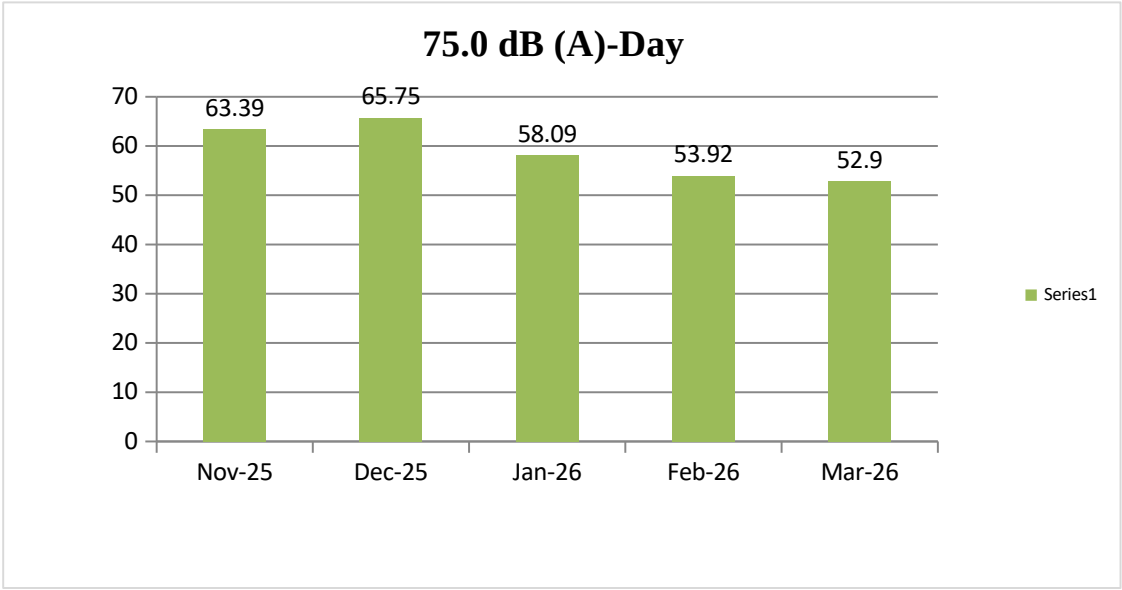
Summary of Air Quality Analysis Report by M/s Sangamanath Sugars Pvt Ltd – Near Spray Pond Area (West) , October 2025 to March 2026

Sl. No.	Parameters	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	NAAQ Standards
1	Particulate Matter (PM_{10})	70	75	76	74	71	100
2	Particulate Matter ($PM_{2.5}$)	22	28	27	26	27	60
3	Sulphur Dioxide (SO_2)	8.56	8.76	10.40	11.49	12.26	80
4	Nitrogen Dioxide (NO_2)	20.74	24.20	25.95	24.17	22.39	80
5	Ammonia (NH_3)	7.74	8.24	9.70	9.06	10.03	400.0 (24 hr Average)
6	Carbon Monoxide (CO)	1.12	1.16	1.22	1.18	1.21	4.0 (1 hr Average)
7	Ozone (O_3)	29.07	32.89	33.22	31.70	32.91	180 (1 hr Average)
8	Lead (Pb)	BDL	0.03	0.03	0.04	0.03	1.0 (24 hr Average)
9	Arsenic (As)	BDL	BDL	BDL	BDL	BDL	6.0 (Annual Average)
10	Nickel (Ni)	7.4	18.03	12.53	10.46	18.51	20.0 (Annual Average)
11	Benzene (C_6H_6)	BDL	BDL	BDL	BDL	BDL	5.0 (Annual Average)
12	Benzo (a) pyrene (Bap)	BDL	BDL	BDL	BDL	BDL	1.0 (Annual Average)

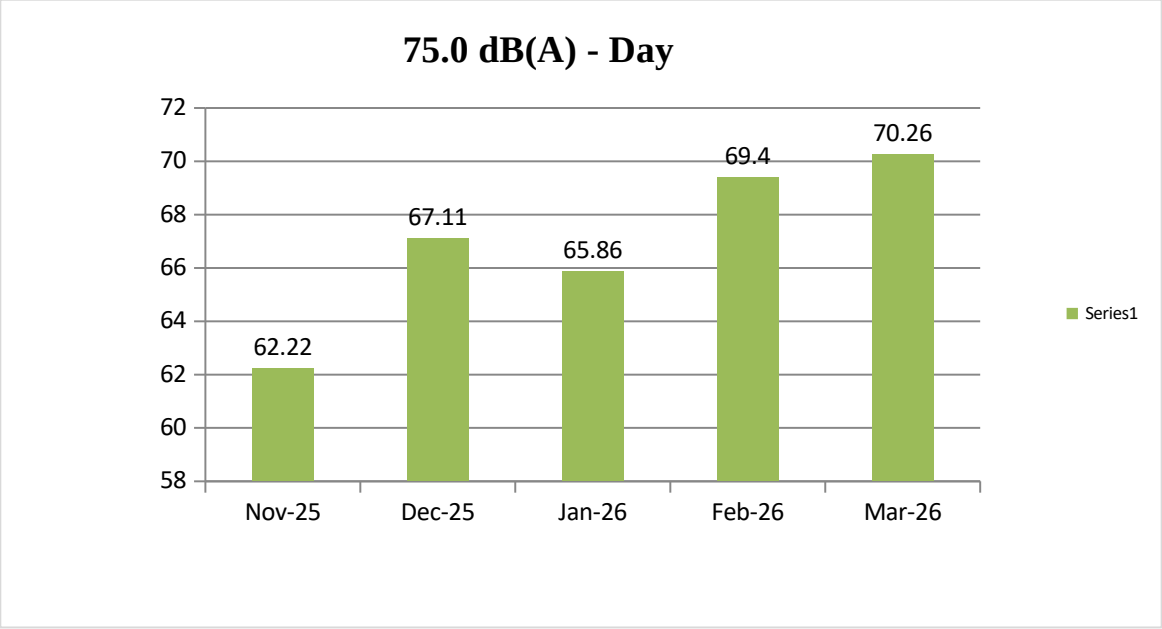
As per the above analysis data, the average PM_{10}, $PM_{2.5}$, SO_2 and NO_2 values are well within the NAAQ standards,


Near West Side Weight Bridge
80
70
60
50
40
30
20
10
0
Nov
Dec
Jan
Feb
Mar
70
20.74
8.56
7.74
1.12
29.07
7.4
75
24.2
8.76
8.24
1.16
32.89
18.03
76
25.95
10.4
9.7
1.22
33.22
12.53
74
24.17
11.49
9.06
1.18
31.7
10.46
71
22.39
12.26
10.03
1.21
32.91
18.51
Particulate Matter (PM 10)
Particulate Matter (PM 2.5)
Sulphur Dioxide (SO2)
Nitrogen Dioxide (NO2)
Ammonia (NH3)
Carbon Monoxide (CO)
Ozone (O3)
Lead (Pb)
Arsenic (As)
Nickel (Ni)
Benzene (C6H6)
Benzo (a) pyrene (Bap)

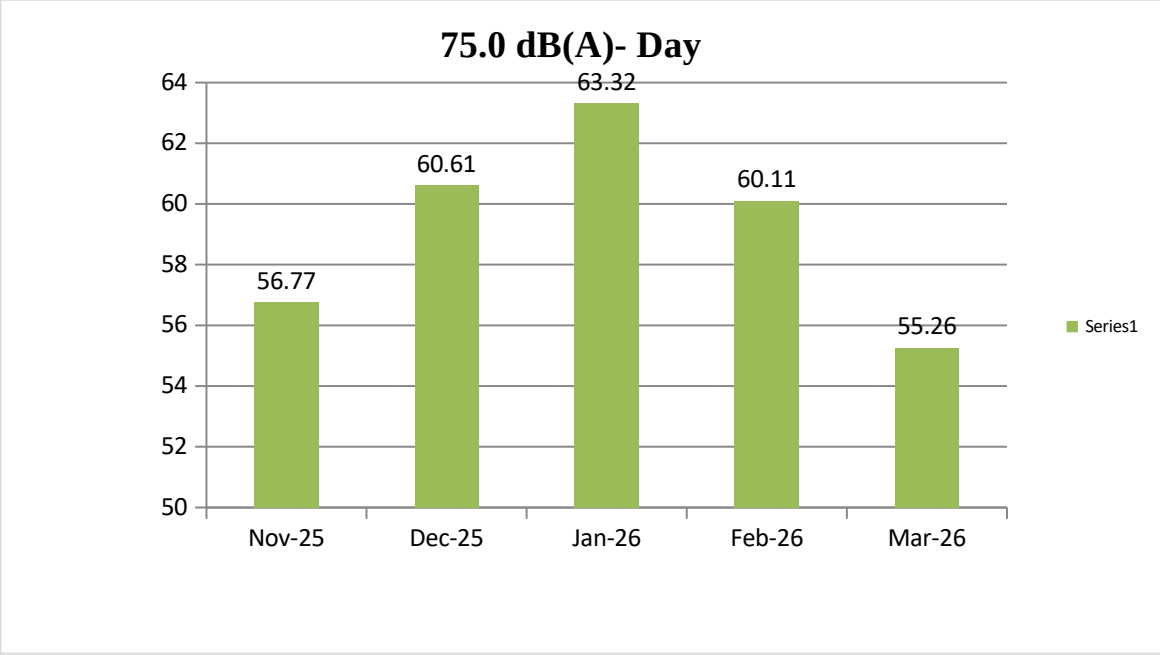
Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near Main Gate October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Months**				
			Nov-25	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
1	L_{eq}	**75. 0 dB(A)-Day**	63.39	65.75	58.09	53.92	52.90
L_{eq} noise levels over the above period have been calculated for day time (6 AM-10 PM) it was observed that the average L_{eq} values are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



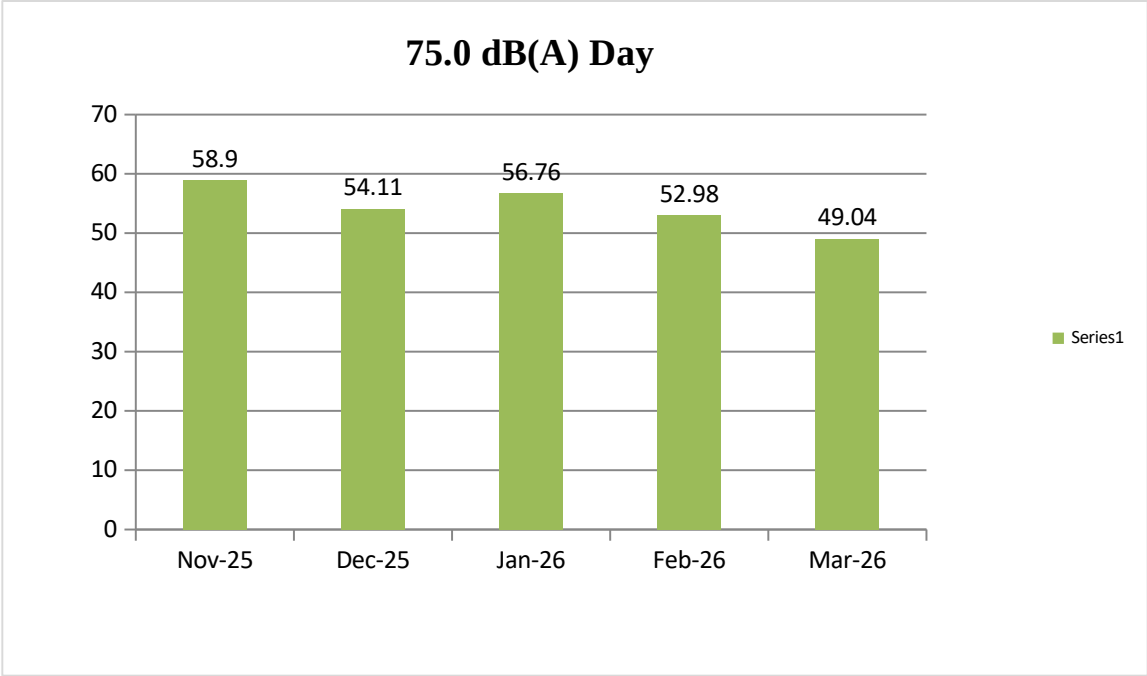
Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near Boiler Area October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
2	L_{eq}	**75. 0 dB(A) - Day**	62.22	67.11	65.86	69.40	70.26
L_{eq} noise levels over the above period have been calculated for day time (6 AM-10 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



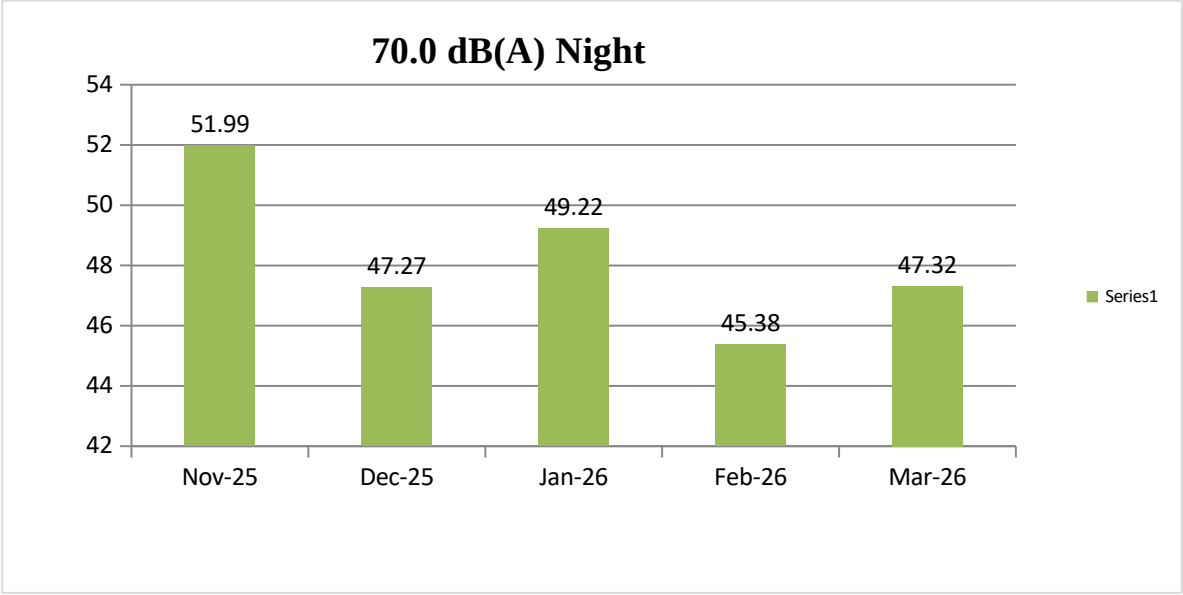
Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near Sugar Godown October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
3	L_{eq}	**75. 0 dB(A)- Day**	56.77	60.61	63.32	60.11	55.26
L_{eq} noise levels over the above period have been calculated for day time (6 AM-10 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



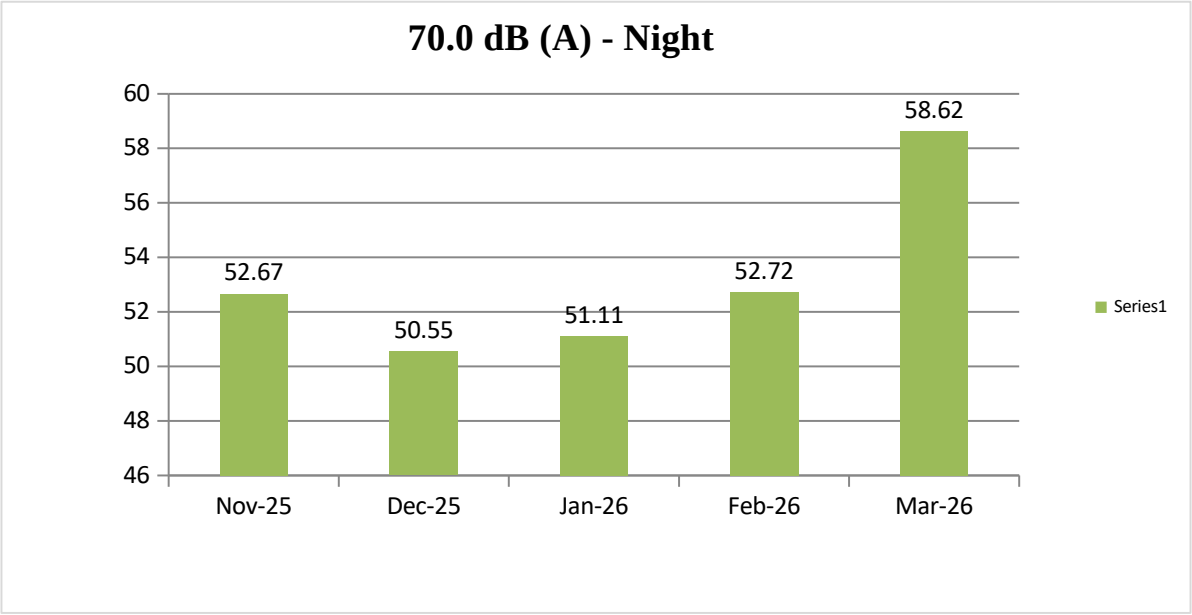
Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near ETP Plant October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
4	L_{eq}	**75. 0 dB(A) Day**	58.90	54.11	56.76	52.98	49.04
L_{eq} noise levels over the above period have been calculated for day time (6 AM-10 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



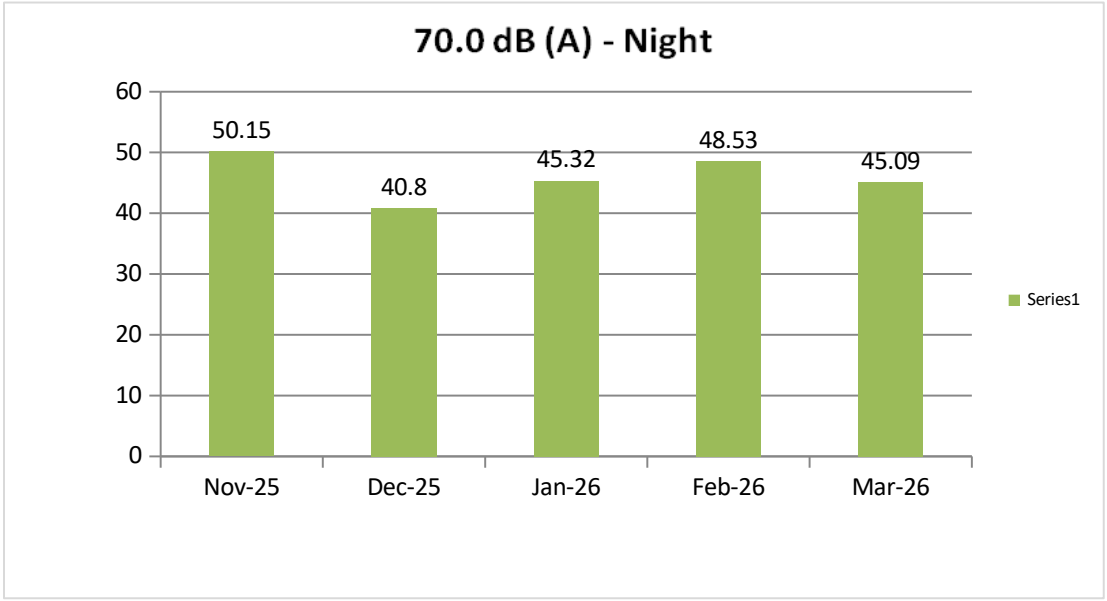
Summary of Noise Level Monitoring Report by M/s VINP Distilleries & Sugars Pvt Ltd - Near Main Gate (South Side) , October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
5	L_{eq}	**70. 0 dB(A) Night**	51.99	47.27	49.22	45.38	47.32
L_{eq} noise levels over the above period have been calculated for Night Time (10:01 PM-6:00 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



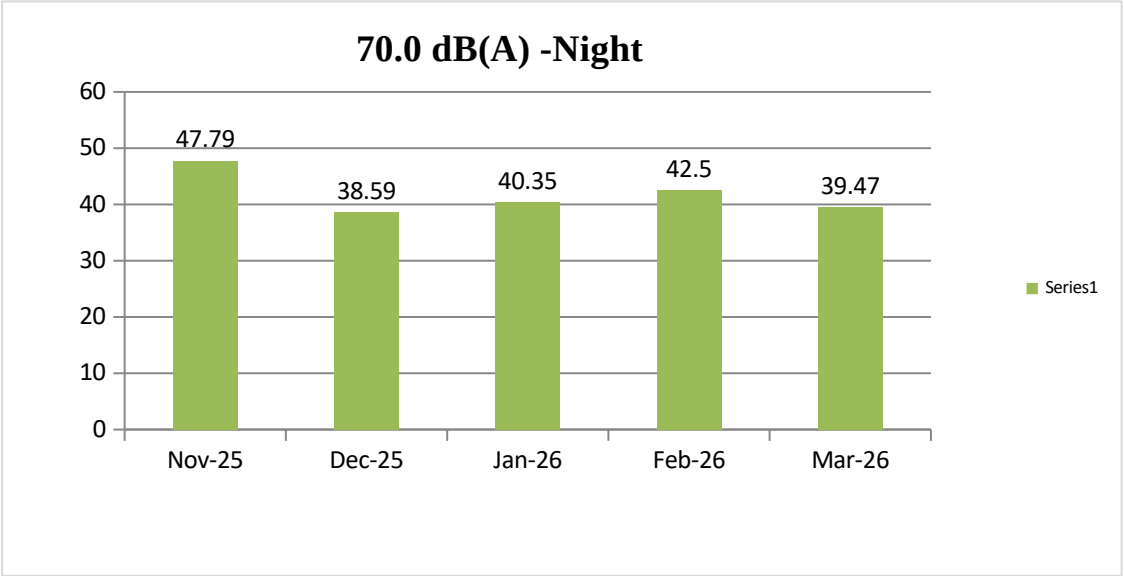
Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near Boiler Area October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
6	L_{eq}	**70. 0 dB(A)- Night**	52.67	50.55	51.11	52.72	58.62
L_{eq} noise levels over the above period have been calculated for Night Time (10:01 PM-6:00 PM) it was observed that the average L_{eq} values are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near Sugar Godown October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
7	L_{eq}	**70. 0 dB(A)- Night**	50.15	40.80	45.32	48.53	45.09
L_{eq} noise levels over the above period have been calculated for Night Time (10:01 PM-6:00 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



Summary of Noise Level Monitoring Report by M/s Sanamanath Sugars Pvt Ltd - Near ETP Plant October 2025 To March 2026							
Sl. No.	**Noise Levels in dB (A)**	**CPCB Standards in respect of Noise**	**Nov-25**	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
8	L_{eq}	**70. 0 dB(A)- Night**	47.79	38.59	40.35	42.50	39.47
L_{eq} noise levels over the above period have been calculated for Night Time (10:01 PM-6:00 PM) it was observed that the average L_{eq} value are within the CPCB Standards.							
Mitigation Measures: Development of Greenbelt/Landscape to reduce impact.							



Summary of Bore Well Water Quality Analysis Report M/s Sagamanath Sugars Ltd, - Industry Premises (Near DM & RO Plant) Months of October 2025 To March 2026

Sl. No.	Parameters	Unit	Standards		Month				
			AL	PL	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
1	pH	-	6.5-8.5	N.R	7.64	8.34	7.67	8.28	8.00
2	Odour Max	-	Agreeable		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Colour	Hazen	5	15	<2	<2	<2	<2	<2
4	Turbidity	NTU	1	5	0.89	0.92	0.42	0.43	0.52
5	Total Dissolved Solids	mg/L	500	2000	1338	1203	1395	1485	1605
6	Electrical Conductivity	µs/cm	Not Specified		2060	1809	2103	2249	2421
7	Chloride as Cl	mg/L	250	1000	298.91	169.99	149.98	169.94	179.94
8	Sulphate as SO_4	mg/L	200	400	115.07	123.83	143.39	117.00	133.28
9	Total Hardness	mg/L	200	600	520	580	540	560	580
10	Calcium as Ca	mg/L	75	200	120	128	108	120	124
11	Magnesium as Mg	mg/L	30	100	53.46	63.18	65.61	63.18	65.61
12	Fluoride as F	mg/L	1	1.5	0.43	0.25	0.16	0.22	0.14
13	Nitrate as NO_3	mg/L	45	NR	38.51	18.99	18.50	18.69	20.12
14	Residual Free Chlorine	mg/L	0.2	1.0	BDL	BDL	BDL	BDL	BDL
15	Phenolic Compounds	mg/L	0.001	0.002	BDL	BDL	BDL	BDL	BDL
16	Sodium as Na	mg/L	Not Specified		56	48	56	64	72
17	Potassium as K	mg/L	Not Specified		3	2.8	2.4	3.2	4.8
18	Alkalinity as $CaCo_3$	mg/L	200	600	490	320	490	510	530
19	Boron B	mg/L	0.5	2.4	BDL	BDL	BDL	BDL	BDL
20	Capper as Cu	mg/L	0.05	1.5	0.017	BDL	BDL	BDL	0.01
21	Total Chromium	mg/L	0.1	0.3	0.007	0.012	BDL	0.009	0.008
22	Zinc as Zn	mg/L	5	15	0.038	BDL	BDL	0.12	0.059
23	Iron as Fe	mg/L	1	NR	0.854	0.091	BDL	0.049	0.23
24	Total Coliform	Present/Absent/100ml	Not Specified		Absent	Absent	Absent	Present	Present
25	E-COLI	Present/Absent/100ml	Absent		Present	Absent	Absent	Absent	Absent
26	Fecal Coliform	Present/Absent/100ml	Absent		Absent	Absent	Absent	Absent	Absent

Summary of Soil Sample Composite Sampling Analysis Report M/s Sagamanath Sugars Ltd, - Near ETP plant Months of October 2025 To March 2026

Sl. No.	Parameters	Unit	Month				
			Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
1	pH	-	8.02	7.83	7.46	7.38	7.56
2	Organic Matter	Percent	0.89	1.44	0.93	0.82	1.24
3	Texture	-	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
4	Moisture Content	%	4.91	7.3	7.4	7.93	10.23
5	Electrical Conductivity	µs/cm	780	638	529	569	439
6	Magnesium as Mg	meq /L	16	15.4	16.8	11.6	17.8
7	Calcium as Ca	meq /L	30	27.6	24.2	27	22.4
8	Sodium	Mg /100gm	99.7	89.81	119.75	139.7	159.6
9	Organic Carbon	Percent	0.72	0.84	0.54	0.48	0.72
10	Available Phosphorus as P_2O_5	Kg /ha	175.43	158.37	179.44	184.6	205.45
11	Boron	mg / 100gm	1.61	1.50	1.84	1.66	1.15
12	Sulphur	mg / 100gm	2.79	2.62	2.20	2.03	1.80
13	Zinc as Zn	mg /kg	33.1	44.2	36.4	15.6	46.4
14	Chromium as Cr	mg /kg	42.8	19	27	24.4	35.6
15	Iron as Fe	ppm	160.23	117.8	120.4	83	146.3
16	Copper as Cu	mg /kg	46.2	82.6	65.2	25.2	62.1

Analysis report of Effluent Quality

1. Name of the industry: M/s Sagamanath Sugars Ltd,
   Byalihal Village, Sindagi Taluk,
   Vijayapura District, Karnataka.
2. Name of the Location: Industry Premises, ETP Untreated Water
3. Date of Monitoring : 17.11.2025

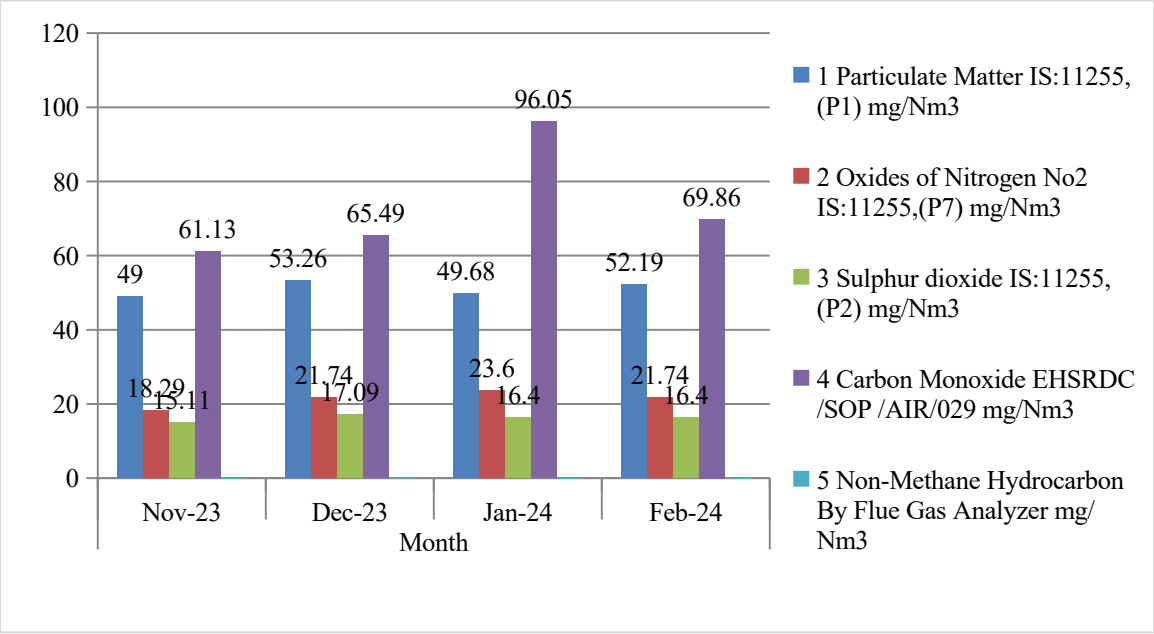
Sl.No	Parameter	Test method	Unit	Results				
				Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
1	ph value	APHA4500H+ B	-	4.62	6.92	5.29	6.98	6.30
2	Colour	IS 3025(Part-4):1983	Hazen	<2	<2	<5	<2	<2
3	Odour	IS 3025(Part-5):1983	-	Disagreeable	Disagreeable	Disagreeable	Disagreeable	Disagreeable
4	B.O.D (3days @ 27°C)	APHA 5210 B	mg/L	1400	1200	1200	1600	1300
5	Total Suspended Solids	APHA 2540 D	mg/L	94	83	114	125	108
6	Total Dissolved Solids	APHA 2540 C	mg/L	3482	2019	2396	3015	2960
7	Oil and Grease	APHA 5520B	mg/L	BDL	BDL	BDL	BDL	BDL
BDL- Below Detectable Limit, BOD- Biochemical Oxygen Demand, NS- Not Specified.								

Analysis report of Effluent Quality

1. Name of the industry: M/s Sagamanath Sugars Ltd,
   Byalihal Village, Sindagi Taluk,
   Vijayapura District, Karnataka.
2. Name of the Location: Industry Premises, ETP Treated Water
3. Date of Monitoring : 17.11.2025

Sl.No	Parameter	Test method	Unit	Results				
				Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
1	ph value	APHA4500H+ B	-	6.83	8.28	8.16	8.08	7.93
2	Colour	IS 3025(Part-4):1983	Hazen	<2	<2	<2	<2	<2
3	Odour	IS 3025(Part-5):1983	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	B.O.D (3 days @ 27°C)	APHA 5210 B	mg/L	600	50	70	50	70
5	Total Suspended Solids	APHA 2540 D	mg/L	9	10	10	09	12
6	Total Dissolved Solids	APHA 2540 C	mg/L	1501	1179	1529	1454	1991
7	Oil and Grease	APHA 5520B	mg/L	BDL	BDL	BDL	BDL	BDL
BDL- Below Detectable Limit, BOD- Biochemical Oxygen Demand, NS - Not Specified.								

Analysis report for source emissions Name of the industry Sangamanath sugars Pvt Ltd Byalihal villge sindagi taluk Vijayapura district Karnataka Stack ID Boiler 100 TPH								
Sl. No.	**Parameters**	**Protocol**	**Unit**	**Month**				
				Nov-25	**Dec-25**	**Jan-26**	**Feb-26**	**Mar-26**
1	Particulate Matter	IS:11255, (P1)	mg/Nm^3	48.58	64.18	75.05	61.86	44.05
2	Oxides of Nitrogen No_2	IS:11255, (P7)	mg/Nm^3	25.96	23.88	25.93	23.86	20.75
3	Sulphur dioxide	IS:11255, (P2)	mg/Nm^3	13.78	15.59	14.74	12.72	9.76



Annexure X

P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

ಬೆಳಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25004380-1	Test report issue date	25.11.2025
Sample code Number	BTHLLP/SSL/A/25/11/4380	ULR Number	TC147325000004380F
Name and address of customer with contact details	M/s Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Main Gate
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	20.11.2025
		Date of start of analysis	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025	**Time/ duration of sampling**	08 Hrs (08:30 am to 04:30 pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m³	78	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m³	27	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m³	9.47	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m³	23.50	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m³	1.27	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m³	32.89	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m³	9.14	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m³	8.69	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m³	BDL	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

1. The results refer only to the tested samples & applicable parameters.
2. Sample(S) not drawn by us unless stated.
3. Total liability of our laboratory is to invoiced amount. Any dispute arising out of this report is subjected to Belgaum jurisdiction only.
4. The Report Shall not be reproduced partially without the consent of the laboratory.
5. After 15 days of report submission the samples will be discarded.
6. Complaint register is available at the laboratory at the reception.

BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

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TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25004381-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/A/25/11/4381	**ULR Number**	TC1473525000004381F
Name and address of customer with contact details	M/s Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Canteen Backside south
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	20.11.2025
		Date of start of analysis	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025	**Time/ duration of sampling**	08 Hrs (08:35 am to 04:35 pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	63	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	17	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	7.36	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	18.67	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.85	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	26.72	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	6.44	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	7.3	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.02	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within t he standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

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(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25004382-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/A/25/11/4382	**ULR Number**	TC147352500004382F
Name and address of customer with contact details	M/s Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near ETP North
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	20.11.2025
		Date of start of analysis	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025	**Time/ duration of sampling**	08 Hrs (08:40 am to 04:35 pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	63	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	17	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	7.36	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	15.90	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.63	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	23.20	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	5.72	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	11.49	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.02	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25004383-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/A/25/11/4383	**ULR Number**	TC147352500000 4383F
Name and address of customer with contact details	M/s Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Spray pond area west
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	20.11.2025
		Date of start of analysis	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025	**Time/ duration of sampling**	08 Hrs (08:45 am to 04:45 pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	70	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	22	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	8.56	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	20.74	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	1.12	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	29.07	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	7.74	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	7.4	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	BDL	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

ANALYSIS REPORT FOR SOURCE EMISSION

Test report Number	BTHLLP25004384-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/A/25/11/4384	**ULR Number**	TC1473525000004384F
Name and address of customer with contact details	M/s Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Stack emission	**Monitoring location**	Boiler 100 TPH
Particulars of sample collected	Monitored through Stack sampler VSS1	**Date of receipt of sample**	20.11.2025
		Date of start of analysis	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025		
General Details	Ambient temperature (^{0}C):26	Stack temperature (^{0}C): 157	Velocity (m/s): 9.38	Diameter (m): 3.5
	Cross section area (m^2): 9.616	Quantity of flue gas discharged into atmosphere (Nm^3/h): 225843.73	Dust emission rate of PM (Kg/hr): 10.971
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Tolerance Limits
Particulate Matter	IS: 11255, (Part-1)	mg/Nm^3	48.58	150
Oxides of Nitrogen as NO_2	IS 11255 (Part-7)	mg/Nm^3	25.96	Not Specified
Sulphur dioxide	IS: 11255 (Part-2)	mg/Nm^3	13.78	Not Specified

INFERENCE	**As per KSPCB Tolerance Limits,** **Report Status: -** The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT NOISE LEVEL MONITORING REPORT

Test report Number	BTHLLP25004385-4388	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/N/25/11/4385-4388	**ULR Number**	TC1473525000004385F to TC1473525000004388F
Name and address of customer with contact details	M/s. Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Noise level monitoring	**Date of receipt of sample**	20.11.2025
Particulars of sample collected	Monitored through Sound level meter C-390	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	17.11.2025		
Discipline	Chemical-		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Sl. No	Sample Location	Time Frequency	Parameters IN dB(A) L_{eq}	CPCB Std.
4385	Near main gate	10:00 am to 10:15 am	63.39	**75dB(A) Day**
4386	Near Boiler area	10:20 am to 10:35 am	62.22	
4387	Near Sugar godown	10:40 am to 10:55 am	56.77	
4388	Near ETP Plant	11:00 am to 11:15 am	58.90	
4385	Near main gate	10:30 pm to 10:45 pm	51.99	**70dB(A) Night**
4386	Near Boiler area	10:55 pm to 11:05 pm	52.67	
4387	Near Sugar godown	11:10 pm to 11:25 pm	50.15	
4388	Near ETP Plant	11:30 pm to 11:45 pm	47.79	

Note:

- Day Time is reckoned between 6:00 A.M and 10:00 P.M
- Night Time is reckoned between 10:01 P.M and 6.00 A.M
- L_{eq}:It is energy mean of the noise level over a specified period.
- *dB (A) L_{eq} denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) L_{eq}, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

INFERENCE	**As per CPCB Standards,** **Report Status:** - The measured values for the above locations are within the standard.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TC-14735

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25004389-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/WW/25/11/4389	**ULR Number**	TC1473525000004389F
Name and address of customer with contact details	M/s. Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	ETP UnTreated water	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result
1.	pH	APHA4500H+ B	-	4.62
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	1400
3.	Total Suspended Solids	APHA 2540 D	mg/L	94
4.	Colour	IS 3025(Part 4):1983	Hazen	<2
5.	Odour	IS 3025(Part 5):1983	-	Disagreeable
6.	Total Dissolved Solids	APHA 2540 C	mg/L	3482
7.	Oil & Grease	APHA 5520 B	mg/L	BDL

Note: BOD- Biochemical Oxygen Demand, BDL - Below Detectable Limit.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25004390-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/WW/25/11/4390	**ULR Number**	TC1473525000004390F
Name and address of customer with contact details	M/s.Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	ETP Treated Water	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	-		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA4500H+ B	-	6.83	5.5 to 8.5
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	60	100
3.	Total Suspended Solids	APHA 2540 D	mg/L	9	100
4.	Colour	IS 3025(Part 4):1983	Hazen	<2	All efforts should be made to remove colour and unpleasant odour as far as practicable
5.	Odour	IS 3025(Part 5):1983	-	Agreeable	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1501	2100
7.	Oil & Grease	APHA 5520 B	mg/L	BDL	10
Note: BOD- Biochemical Oxygen Demand.					

INFERENCE	As per KSPCB Tolerance Limit: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25004391-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/FW/25/11/4391	**ULR Number**	TC1473525000004391F
Name and address of customer with contact details	M/s. Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Chemical		
Group	Water		
Page No	01 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH	APHA 4500H^+ B	--	7.64	6.5-8.5	NR
2.	Colour	IS 3025(Part 4):1983	Hazen	<2	5	15
3.	Odour	IS 3025(Part 5):1983	--	Agreeable	Agreeable	
4.	Turbidity	APHA 2130 B	NTU	0.89	1	5
5.	Electrical Conductivity	APHA 2510 B	µS/cm	2060	Not Specified	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1338	500	2000
7.	Total Hardness	APHA 2340 C	mg/L	520	200	600
8.	Calcium as Ca	APHA 3500-Ca	mg/L	120	75	200
9.	Magnesium as Mg	APHA 3500 Mg B	mg/L	53.46	30	100
10.	Sulphate as SO_4	APHA 4500-SO_4^{2-} E	mg/L	115.07	200	400
11.	Fluoride as F	APHA 4500F D	mg/L	0.43	1.0	1.5
12.	Nitrate as NO_3	APHA 4500-NO_3 E	mg/L	38.51	45	NR
13.	Chloride as Cl	APHA 4500-Cl B	mg/L	298.91	250	1000
14.	Residual Free Chlorine	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
15.	Phenolic Compounds	APHA 5530 C	mg/L	BDL	0.001	0.002
16.	Boron as B	APHA 4500-B B	mg/L	BDL	0.5	2.4
17.	Alkalinity	APHA 2320 B	mg/L	490	200	600
18.	Sodium as Na	APHA 3500-Na B	mg/L	56	Not Specified	
19.	Potassium as K	APHA 3500-K	mg/L	3	Not Specified	

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Concern towards protecting Environment

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25004391-2	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/FW/25/11/4391	**ULR Number**	TC1473525000004391F
Name and address of customer with contact details	M/s.Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Chemical		
Group	Residue in water		
Page No	02 of 03		
Amendment No & date	--		

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	Zinc as Zn	IS 3025(Part 2) 2019	mg/L	0.038	5	15
2.	Copper as Cu	IS 3025(Part 2) 2019	mg/L	0.017	0.05	1.5
3.	Total Chromium	IS 3025(Part 2) 2019	mg/L	0.007	0.05	NR
4.	Iron as Fe	IS 3025(Part 2) 2019	mg/L	0.854	1	NR

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25004391-3	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/FW/25/11/4391	**ULR Number**	TC1473525000004391F
Name and address of customer with contact details	M/s.Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	20.11.2025
		Date of completion of analysis	25.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Biological		
Group	Water		
Page No	03 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)
1.	*E.coli*	IS 15185:2016	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample
2.	*Total coliform*	IS 15185:2016	Present/ Absent per100ml	Present	Not Specified
3.	*Faecal Coliform*	APHA 9222 D	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT OF SOIL SAMPLE

Test report Number	BTHLLP25004392-1	**Test report issue date**	25.11.2025
Sample code Number	BTHLLP/SSL/S/25/11/4392	**ULR Number**	TC147352500004392F
Name and address of customer with contact details	M/s. Sangamnath Sugar Ltd., Byslihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Soil	**Date of receipt of sample**	20.11.2025
Sampling location & method of sampling	Near ETP Plant	**Date of start of analysis**	20.11.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Date of completion of analysis**	25.11.2025
		Reference to sampling procedure	BTHLLP/QSP/19
Date of sampling	17.11.2025		
Discipline	Chemical		
Product category	Pollution & Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULTS TABLE

Sl. No.	Parameters	Unit	Methods	Results
1.	pH	--	IS 2720 Part 26	8.02
2.	Texture	--	BTHLLP/SOP/Soil/014	Sandy loam
3.	Electrical Conductivity	µS/cm	IS 14767	780
4.	Organic Matter	Percent	IS 2720 Part 22	0.89
5.	Water Content	Percent	IS 2720 Part 2	4.91
6.	Available Phosphorous	kg/ha	BTHLLP/SOP/Soil/002	175.43
7.	Sodium as Na	mg/100g	BTHLLP/SOP/Soil/008	99.7
8.	Calcium as Ca	meq/L	BTHLLP/SOP/Soil/005	30
9.	Magnesium as Mg	meq/L	BTHLLP/SOP/Soil/005	16
10.	Sulphur as S	mg/100g	BTHLLP/SOP/Soil/004	2.79
11.	Organic Carbon	Percent	BTHLLP/SOP/Soil/023	0.72
12.	Boron as B	mg/100gm	BTHLLP/SOP/Soil/011	1.61
13.	Zinc as Zn	mg/kg	EPA 3050 B	33.1
14.	Chromium as Cr	mg/kg	EPA 3050 B	42.8
15.	Copper as Cu	mg/kg	EPA 3050 B	46.2
16.	Iron as Fe	mg/kg	EPA 3050 B	160.23

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25005499-1	Test report issue date	27.12.2025
Sample code Number	BTHLLP/SSL/A/25/12/5499	ULR Number	TC147352500000549 9F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Main Gate
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Par[illegible]te Sampler- APM 550 and C[illegible]one BTH/Ins/CO/01	**Date of receipt of sample**	24.12.2025
		Date of start of analysis	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	20.12.2025	**Time/ duration of sampling**	08 Hrs (08:00 am to 04:00 pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	71	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	2[illegible]	60	IS: 5[illegible] (Part 24)
3.	Sulphur Dioxide	µg/ m^3	8.4[illegible]	80	IS [illegible] (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	20.39	80	IS: 5182 (Part 6)- 1st rev
5.	C[illegible]bon Mor[illegible]xide (CO)	mg/m^3	1.02	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	O[illegible]one (O_3)	µg/m^3	20.39	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	7.61	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	6.55	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

BELGAUM TEST HOUSE LLP

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ಬೆಳಗಾಂ ಟೆಸ್ಟ್ ಹೌಸ್ ಎಲ್‌ಎಲ್‌ಪಿ

(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25005500-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/A/25/12/5500	**ULR Number**	TC1473525000005500F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Canteen Backside south
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	24.12.2025
		Date of start of analysis	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	20.12.2025	**Time/ duration of sampling**	08 Hrs (08:05 am to 04:05pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	57	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	15	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	6.50	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	14.52	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.63	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	22.61	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	5.54	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	14.81	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25005501-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/A/25/12/5501	**ULR Number**	TC147352500000501F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near ETP North
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	24.12.2025
		Date of start of analysis	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	20.12.2025	**Time/ duration of sampling**	08 Hrs (08:10 am to 04:10pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m³	62	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m³	19	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m³	6.65	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m³	17.63	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m³	0.76	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m³	25.25	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m³	6.35	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m³	11.69	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m³	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP25005502-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/A/25/12/5502	**ULR Number**	TC147352500000 5502F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Spray pond area west
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 55[illegible]1 Ozone BTH/Ins/CO/01	**Date of receipt of sample**	24.12.2025
		Date of start of analysis	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	20.12.2025	**Time/ duration of sampling**	08 Hrs (08:15 am to 04:15pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m³	75	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m³	28	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m³	[illegible]	80	IS: 5[illegible] (Part 2)
4.	Nitrogen Dioxide	µg/ m³	2[illegible]20	80	IS: 518[illegible] 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m³	1.16	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m³	32.89	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m³	8.24	400.0 (24 hr Average)	IS: 5182 (Part 25)
8.	Benzene (C_6H_6)	µg/m³	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m³	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m³	18.03	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m³	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m³	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT FOR SOURCE EMISSION

Test report Number	BTHLLP25005503-1		**Test report issue date**		27.12.2025
Sample code Number	BTHLLP/SSL/A/25/12/5503		**ULR Number**		TC1473525000005503F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka		**Reference to Work order/ Client request letter/ Purpose of the report**		SSL/2025-202/63 Date:10.11.2025
Name of the sample	Stack emission		**Monitoring location**		Boiler 100 TPH
Particulars of sample collected	Monitored through Stack sam, VSS1		**Date of receipt of sample**		24.12.2025
			Date of start of analysis		24.12.2025
			Date of completion of analysis		27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015		**Reference to sampling procedure**		BTHLLP/QSP/19
Date of Monitoring	26.12.2025				
General Details	Ambient temperature (°C):27	Stack temperature (°C): 142	Velocity (m/s): 8.32	Diameter (m):3.5	
	Cross section area (m^2): 9.616	Quantity of flue gas discharged into atmosphere (Nm^3/h): 208223.40		Dust emission rate of PM (Kg/hr): 13.365	
Discipline	Chemical				
Group	Atmospheric Pollution				
Page No	1 of 1				
Amendment No & date	--				

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Tolerance Limits
Particulate Matter	IS: 11255, (Part-1)	mg/Nm^3	64.18	150
Oxides of Nitrogen as NO_2	IS 11255 (Part-7)	mg/Nm^3	23.88	Not Specified
Sulphur dioxide	IS: 11255 (Part-2)	mg/Nm^3	15.59	Not Specified

INFERENCE	As per **KSPCB Tolerance Limits,** Report **Status: -** The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT NOISE LEVEL MONITORING REPORT

Test report Number	BTHLLP25005504-5507-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/N/25/12/5504-5507	**ULR Number**	TC1473525000005504F to TC1473525000005507F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Ambient Noise level monitoring	**Date of receipt of sample**	24.12.2025
Particulars of sample collected	Monitored through Sound level me- C-390	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	20.12.2025		
Discipline	Chemical-		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Sl. No	Sample Location	Time Frequency	Parameters IN dB(A) L_{eq}	CPCB Std.
5504	Near main gate	10:00 am to 10:15am	65.75	**75dB(A) Day**
5505	Near Boiler area	10:20 am to 10:35am	67.11	
5506	Near Sugar godown	10:40 am to 10:55am	60.61	
5507	Near ETP Plant	11:00 am to 11:15am	54.11	
5504	Near main gate	10:30 pm to 10:45 pm	47.27	**70dB(A) Night**
5505	Near Boiler area	10:55 pm to 11:05 pm	50.55	
5506	Near Sugar godown	11:10 pm to 11:25 pm	40.80	
5507	Near ETP Plant	11:30 pm to 11:45 pm	38.59	

Note:

- Day Time is reckoned between 6:00 A.M and 10:00 P.M
- Night Time is reckoned between 10:01 P.M and 6.00 A.M
- L_{eq}:It is energy mean of the noise level over a specified period.
- *dB (A) L_{eq} denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) L_{eq} denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

INFERENCE : As per CPCB **Standards,**
Report Status: - The measured values for the above locations are within the standard.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005508-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/WW/25/12/5508	**ULR Number**	TC1473525000005508F
Name and address of customer with contact details	M/s **Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	ETP Untreated water	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result
1.	pH	APHA4500H+ B	-	6.92
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	1200
3.	Total Suspended Solids	APHA 2540 D	mg/L	83
4.	Colour	IS 3025(Part 4):1983	Hazen	<2
5.	Odour	IS 3025(Part 5):1983	-	Disagreeable
6.	Total Dissolved Solids	APHA 2540 C	mg/L	2019
7.	Oil & Grease	APHA 5520 B	mg/L	BDL

Note: BOD - Biochemical Oxygen Demand, BDL - Below Detectable Limit.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005509-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/WW/25/12/5509	**ULR Number**	TC147352500000550 9F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	ETP Treated Water	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA4500H+ B	-	8.28	5.5 to 8.5
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	50	100
3.	Total Suspended Solids	APHA 2540 D	mg/L	10	100
4.	Colour	IS 3025(Part 4):1983	Hazen	<2	All efforts should be made to remove colour and unpleasant odour as far as practicable
5.	Odour	IS 3025(Part 5):1983	-	Agreeable	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1179	2100
7.	Oil & Grease	APHA 5520 B	mg/L	BDL	10

Note: BOD- Biochemical Oxygen Demand.

INFERENCE	As per KSPCB Tolerance Limit: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak S Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005510-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/FW/25/12/5510	**ULR Number**	TC147352500000510F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Chemical		
Group	Water		
Page No	01 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH	APHA 4500H^+ B	--	8.34	6.5-8.5	NR
2.	Colour	IS 3025(Part 4):1983	Hazen	<2	5	15
3.	Odour	IS 3025(Part 5):1983	--	Agreeable	Agreeable	
4.	Turbidity	APHA 2130 B	NTU	0.92	1	5
5.	Electrical Conductivity	APHA 2510 B	µS/cm	1809	Not Specified	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1203	500	2000
7.	Total Hardness	APHA 2340 C	mg/L	580	200	600
8.	Calcium as Ca	APHA 3500-Ca	mg/L	128	75	200
9.	Magnesium as Mg	APHA 3500 Mg B	mg/L	63.18	30	100
10.	Sulphate as SO_4	APHA 4500-SO_4^{2-} E	mg/L	123.83	200	400
11.	Fluoride as F	APHA 4500F	mg/L	0.25	1.0	1.5
12.	Nitrate as NO_3	APHA 4500-NO_3 E	mg/L	18.99	45	NR
13.	Chloride as Cl	APHA 4500-Cl B	mg/L	169.99	250	1000
14.	Residual Free Chlorine	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
15.	Phenolic Compounds	APHA 5530 C	mg/L	BDL	0.001	0.002
16.	Boron as B	APHA 4500-B B	mg/L	BDL	0.5	2.4
17.	Alkalinity	APHA 2320 B	mg/L	320	200	600
18.	Sodium as Na	APHA 3500-Na B	mg/L	48	Not Specified	
19.	Potassium as K	APHA 3500-K	mg/L	2.8	Not Specified	

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005510-2	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/FW/25/12/5510	**ULR Number**	TC147352500000510F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Chemical		
Group	Residue in water		
Page No	02 of 03		
Amendment No & date	--		

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	Zinc as Zn	IS 3025(Part 2) 2019	mg/L	BDL	5	15
2.	Copper as Cu	IS 3025(Part 2) 2019	mg/L	BDL	0.05	1.5
3.	Total Chromium	IS 3025(Part 2) 2019	mg/L	0.012	0.05	NR
4.	Iron as Fe	IS 3025(Part 2) 2019	mg/L	0.091	1	NR

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP25005510-3	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/FW/25/12/5510	**ULR Number**	TC147352500000510F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Biological		
Group	Water		
Page No	03 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)
1.	*E.coli*	IS 15185:2016	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample
2.	*Total coliform*	IS 15185:2016	Present/ Absent per100ml	Absent	Not Specified
3.	*Faecal Coliform*	APHA 9222 D	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT OF SOIL SAMPLE

Test report Number	BTHLLP25005511-1	**Test report issue date**	27.12.2025
Sample code Number	BTHLLP/SSL/S/25/12/5511	**ULR Number**	TC1473525000005511F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/2025-202/63 Date:10.11.2025
Name of the sample	Soil	**Date of receipt of sample**	24.12.2025
Sampling location & method of sampling	Near ETP Plant	**Date of start of analysis**	24.12.2025
		Date of completion of analysis	27.12.2025
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	20.12.2025		
Discipline	Chemical		
Product category	Pollution & Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULTS TABLE

Sl. No.	Parameters	Unit	Methods	Results
1.	pH	--	IS 2720 Part 26	7.83
2.	Texture	--	BTHLLP/SOP/Soil/014	Sandy loam
3.	Electrical Conductivity	µS/cm	IS 14767	638
4.	Organic Matter	Percent	IS 2720 Part 22	1.44
5.	Water Content	Percent	IS 2720 Part 2	7.3
6.	Available Phosphorous	kg/ha	BTHLLP/SOP/Soil/002	158.37
7.	Sodium as Na	mg/100g	BTHLLP/SOP/Soil/008	89.81
8.	Calcium as Ca	meq/L	BTHLLP/SOP/Soil/005	27.6
9.	Magnesium as Mg	meq/L	BTHLLP/SOP/Soil/005	15.4
10.	Sulphur as S	mg/100g	BTHLLP/SOP/Soil/004	2.62
11.	Organic Carbon	Percent	BTHLLP/SOP/Soil/023	0.84
12.	Boron as B	mg/100gm	BTHLLP/SOP/Soil/011	1.50
13.	Zinc as Zn	mg/kg	EPA 3050 B	44.2
14.	Chromium as Cr	mg/kg	EPA 3050 B	19
15.	Copper as Cu	mg/kg	EPA 3050 B	82.6
16.	Iron as Fe	mg/kg	EPA 3050 B	117.8

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak S Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

Note:

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026000701 -1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/A/26/01/701	**ULR Number**	TC1473526000000701F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Main Gate
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	28.01.2026
		Date of start of analysis	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026	**Time/ duration of sampling**	08 Hrs (07:05 am to 03:05pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	67	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	24	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	8.54	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	19.90	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.98	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	27.12	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	7.76	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	10.82	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.02	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within the standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026000702-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/A/26/01/702	**ULR Number**	TC1473526000000702F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Canteen Backside south
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	28.01.2026
		Date of start of analysis	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026	**Time/ duration of sampling**	08 Hrs (07:10 am to 03:10pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	62	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	21	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	7.45	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	17.42	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.86	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	25.90	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	6.56	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	11.44	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.02	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within t he standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026000703-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/A/26/01/703	**ULR Number**	TC1473526000000703F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near ETP North
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	28.01.2026
		Date of start of analysis	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026	**Time/ duration of sampling**	08 Hrs (07:15 am to 03:15pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	70	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	26	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	9.62	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	22.75	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	1.07	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	30.17	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	8.69	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	5.97	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within the standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026000704-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/A/26/01/704	**ULR Number**	TC1473526000000704F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Spray pond area west
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	28.01.2026
		Date of start of analysis	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026	**Time/ duration of sampling**	08 Hrs (07:20 am to 03:20pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	76	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	27	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	10.40	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	25.95	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	1.22	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	33.22	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	9.70	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	12.53	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within the standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

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(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ, 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

ANALYSIS REPORT FOR SOURCE EMISSION

Test report Number	BTHLLP2026000705-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/A/26/01/705	**ULR Number**	TC1473526000000705F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Stack emission	**Monitoring location**	Boiler 100 TPH
Particulars of sample collected	Monitored through Stack sampler VSS1	**Date of receipt of sample**	28.01.2026
		Date of start of analysis	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026		

General Details	Ambient temperature (°C):26	Stack temperature (°C): 135	Velocity (m/s): 8.49	Diameter (m):3.5
	Cross section area (m^2): 9.616	Quantity of flue gas discharged into atmosphere (Nm^3/h): 215449.23		Dust emission rate of PM (Kg/hr): 16.17
Discipline	Chemical			
Group	Atmospheric Pollution			
Page No	1 of 1			
Amendment No & date	--			

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Tolerance Limits
Particulate Matter	IS: 11255 (Part-1)	mg/Nm^3	75.05	150
Oxides of Nitrogen as NO_2	IS 11255 (Part-7)	mg/Nm^3	25.93	Not Specified
Sulphur dioxide	IS: 11255 (Part-2)	mg/Nm^3	14.74	Not Specified

INFERENCE	**As per KSPCB Tolerance Limits,** **Report Status: -** The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

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TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

AMBIENT NOISE LEVEL MONITORING REPORT

Test report Number	BTHLLP2026000706-713-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/N/26/01/706-713	**ULR Number**	TC1473526000000706F to TC1473526000000713F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Noise level monitoring	**Date of receipt of sample**	28.01.2026
Particulars of sample collected	Monitored through Sound level meter C-390	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	23.01.2026		
Discipline	Chemical-		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Sl. No	Sample Location	Time Frequency	Parameters IN dB(A) L_{eq}	CPCB Std.
706	Near main gate	07:30 am to 07:45am	58.09	**75dB(A) Day**
707	Near Boiler area	07:50 am to 08:05am	65.86	
708	Near Sugar godown	08:10 am to 08:25am	63.32	
709	Near ETP Plant	08:30 am to 08:45am	56.76	
710	Near main gate	10:00 pm to 10:15 pm	49.22	**70dB(A) Night**
711	Near Boiler area	10:20 pm to 10:35 pm	51.11	
712	Near Sugar godown	10:40 pm to 10:55 pm	45.32	
713	Near ETP Plant	11:00 pm to 11:15 pm	40.35	

Note:

- Day Time is reckoned between 6:00 A.M and 10:00 P.M
- Night Time is reckoned between 10:01 P.M and 6.00 A.M
- L_{eq}:It is energy mean of the noise level over a specified period.
- *dB (A) L_{eq} denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) L_{eq}, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

INFERENCE	**As per CPCB Standards,** **Report Status: -** The measured values for the above locations are within the standard.

Reviewed by
(Raviraj Paramshetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TC-14735

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026000714-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/WW/26/01/714	**ULR Number**	TC1473526000000714F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Untreated water	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Method	Unit	Result
1.	pH	APHA4500H+ B	-	5.29
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	1200
3.	Total Suspended Solids	APHA 2540 D	mg/L	114
4.	Colour	IS 3025(Part 4):1983	Hazen	<5
5.	Odour	IS 3025(Part 5):1983	-	Disagreeable
6.	Total Dissolved Solids	APHA 2540 C	mg/L	2396
7.	Oil & Grease	APHA 5520 B	mg/L	BDL
Note: BOD- Biochemical Oxygen Demand, BDL - Below Detectable Limit.				

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026000715-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/WW/26/01/715	**ULR Number**	TC1473526000000715F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Treated Water	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA4500H+ B	-	8.16	5.5 to 8.5
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	70	100
3.	Total Suspended Solids	APHA 2540 D	mg/L	10	100
4.	Colour	IS 3025(Part 4):1983	Hazen	<2	All efforts should be made to remove colour and unpleasant odour as far as practicable
5.	Odour	IS 3025(Part 5):1983	-	Agreeable	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1529	2100
7.	Oil & Grease	APHA 5520 B	mg/L	BDL	10
Note: BOD- Biochemical Oxygen Demand.					

INFERENCE	As per KSPCB Tolerance Limit: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026000716-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/FW/26/01/716	**ULR Number**	TC1473526000000716F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Chemical		
Group	Water		
Page No	01 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH	APHA 4500H^+ B	--	7.67	6.5-8.5	NR
2.	Colour	IS 3025(Part 4):1983	Hazen	<2	5	15
3.	Odour	IS 3025(Part 5):1983	--	Agreeable	Agreeable	
4.	Turbidity	APHA 2130 B	NTU	0.42	1	5
5.	Electrical Conductivity	APHA 2510 B	µS/cm	2103	Not Specified	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1395	500	2000
7.	Total Hardness	APHA 2340 C	mg/L	540	200	600
8.	Calcium as Ca	APHA 3500-Ca	mg/L	108	75	200
9.	Magnesium as Mg	APHA 3500 Mg B	mg/L	65.61	30	100
10.	Sulphate as SO_4	APHA 4500-SO_4^{2-} E	mg/L	143.39	200	400
11.	Fluoride as F	APHA 4500F D	mg/L	0.16	1.0	1.5
12.	Nitrate as NO_3	APHA 4500-NO_3 E	mg/L	18.50	45	NR
13.	Chloride as Cl	APHA 4500-Cl B	mg/L	149.98	20260	1000
14.	Residual Free Chlorine	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
15.	Phenolic Compounds	APHA 5530 C	mg/L	BDL	0.001	0.002
16.	Boron as B	APHA 4500-B B	mg/L	BDL	0.5	2.4
17.	Alkalinity	APHA 2320 B	mg/L	490	200	600
18.	Sodium as Na	APHA 3500-Na B	mg/L	56	Not Specified	
19.	Potassium as K	APHA 3500-K	mg/L	2.4	Not Specified	

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026000716-2	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/FW/26/01/716	**ULR Number**	TC1473526000000716F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Chemical		
Group	Residue in water		
Page No	02 of 03		
Amendment No & date	--		

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	Zinc as Zn	IS 3025(Part 2) 2019	mg/L	BDL	5	15
2.	Copper as Cu	IS 3025(Part 2) 2019	mg/L	BDL	0.05	1.5
3.	Total Chromium	IS 3025(Part 2) 2019	mg/L	BDL	0.05	NR
4.	Iron as Fe	IS 3025(Part 2) 2019	mg/L	BDL	1	NR

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

Note:

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E-mail : belgaumtesthouse@gmail.com

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बेलगांव टेस्ट् हाउस एलएलपी

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Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
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TC-14735

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026000716-3	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/FW/26/01/716	**ULR Number**	TC1473526000000716F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Biological		
Group	Water		
Page No	03 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)
1.	*Total coliform*	IS 15185:2016	Present/ Absent per100ml	Absent	Not Specified
2.	*E.coli*	IS 15185:2016	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample
3.	*Faecal Coliform*	APHA 9222 D	Present/ Absent per100ml	Absent	

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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BTHLLP / GEN / F / 25 / 02 / 00

TEST REPORT

ANALYSIS REPORT OF SOIL SAMPLE

Test report Number	BTHLLP2026000717-1	**Test report issue date**	02.02.2026
Sample code Number	BTHLLP/SSL/S/26/01/717	**ULR Number**	TC1473526000000717F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Soil	**Date of receipt of sample**	28.01.2026
Sampling location & method of sampling	Near ETP Plant	**Date of start of analysis**	28.01.2026
		Date of completion of analysis	02.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	23.01.2026		
Discipline	Chemical		
Product category	Pollution & Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULTS TABLE

Sl. No.	Parameters	Unit	Methods	Results
1.	pH	--	IS 2720 Part 26	7.46
2.	Texture	--	BTHLLP/SOP/Soil/014	Sandy Loam
3.	Electrical Conductivity	µS/cm	IS 14767	529
4.	Organic Matter	Percent	IS 2720 Part 22	0.93
5.	Water Content	Percent	IS 2720 Part 2	7.4
6.	Available Phosphorous	kg/ha	BTHLLP/SOP/Soil/002	179.44
7.	Sodium as Na	mg/100g	BTHLLP/SOP/Soil/008	119.75
8.	Calcium as Ca	meq/L	BTHLLP/SOP/Soil/005	24.2
9.	Magnesium as Mg	meq/L	BTHLLP/SOP/Soil/005	16.8
10.	Sulphur as S	mg/100g	BTHLLP/SOP/Soil/004	2.20
11.	Organic Carbon	Percent	BTHLLP/SOP/Soil/023	0.54
12.	Boron as B	mg/100gm	BTHLLP/SOP/Soil/011	1.84
13.	Zinc as Zn	mg/kg	EPA 3050 B	36.4
14.	Chromium as Cr	mg/kg	EPA 3050 B	27
15.	Copper as Cu	mg/kg	EPA 3050 B	65.2
16.	Iron as Fe	mg/kg	EPA 3050 B	120.4

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026001643-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/A/26/02/1643	**ULR Number**	TC1473526000001643F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Main Gate
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	23.02.2026
		Date of start of analysis	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026	**Time/ duration of sampling**	08 Hrs (08:10 am to 04:10pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	68	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	22	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	9.16	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	18.84	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.88	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	27.43	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	7.02	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	11.7	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026001644-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/A/26/02/1644	**ULR Number**	TC147352600000164 4F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Canteen Backside south
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	23.02.2026
		Date of start of analysis	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026	**Time/ duration of sampling**	08 Hrs (08:15 am to 04:15pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	61	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	21	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	3.54	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	16.35	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.75	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	24.38	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	6.93	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	8.47	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.02	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within t he standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026001645-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/A/26/02/1645	**ULR Number**	TC147352600000164 5F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near ETP North
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	23.02.2026
		Date of start of analysis	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026	**Time/ duration of sampling**	08 Hrs (08:00 am to 04:00pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	71	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	24	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	10.09	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	21.68	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.99	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	29.26	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	7.99	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	6.27	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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बेलगांव टेस्ट् हाउस एलएलपी

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026001646-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/A/26/02/1646	**ULR Number**	TC1473526000001646F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Spray pond area west
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	23.02.2026
		Date of start of analysis	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026	**Time/ duration of sampling**	08 Hrs (08:05 am to 04:05pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	74	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	26	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	11.49	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	24.17	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	1.18	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	31.70	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	9.06	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	10.46	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.04	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT FOR SOURCE EMISSION

Test report Number	BTHLLP2026001647-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/A/26/02/1647	**ULR Number**	TC1473526000001647F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Stack emission	**Monitoring location**	Boiler 100 TPH
Particulars of sample collected	Monitored through Stack sampler VSS1	**Date of receipt of sample**	23.02.2026
		Date of start of analysis	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026		
General Details	Ambient temperature (°C):29	Stack temperature (°C): 139	Velocity (m/s):8.53	Diameter (m):3.5
	Cross section area (m^2): 9.616	Quantity of flue gas discharged into atmosphere (Nm^3/h): 216551.99		Dust emission rate of PM (Kg/hr):13395
Discipline	Chemical			
Group	Atmospheric Pollution			
Page No	1 of 1			
Amendment No & date	--			

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Tolerance Limits
Particulate Matter	IS: 11255 (Part-1)	mg/Nm^3	61.86	150
Oxides of Nitrogen as NO_2	IS 11255 (Part-7)	mg/Nm^3	23.86	Not Specified
Sulphur dioxide	IS: 11255 (Part-2)	mg/Nm^3	12.72	Not Specified

INFERENCE	**As per KSPCB Tolerance Limits,** **Report Status:** - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT NOISE LEVEL MONITORING REPORT

Test report Number	BTHLLP2026001648-1651-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/N/26/02/1648-1651	**ULR Number**	TC1473526000001648F to TC1473526000001651F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Noise level monitoring	**Date of receipt of sample**	23.02.2026
Particulars of sample collected	Monitored through Sound level meter C-390	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	22.02.2026		
Discipline	Chemical-		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Sl. No	Sample Location	Time Frequency	Parameters IN dB(A)	CPCB Std.
			L_{eq}	
1648	Near main gate	09:00 am to 09:15am	53.92	**75dB(A) Day**
1649	Near Boiler area	09:20 am to 09:35am	69.40	
1650	Near Sugar godown	09:40 am to 09:55am	60.11	
1651	Near ETP Plant	10:00 pm to 10:15 pm	52.98	
1648	Near main gate	10:05 pm to 10:20 pm	45.38	**70dB(A) Night**
1649	Near Boiler area	10:25 pm to 10:40 pm	52.72	
1650	Near Sugar godown	10:45 pm to 11:00 pm	48.53	
1651	Near ETP Plant	11:05 pm to 11:20 pm	42.50	

Note:

- Day Time is reckoned between 6:00 A.M and 10:00 P.M
- Night Time is reckoned between 10:01 P.M and 6.00 A.M
- L_{eq}:It is energy mean of the noise level over a specified period.
- *dB (A) L_{eq} denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) L_{eq}, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

INFERENCE	**As per CPCB Standards,** **Report Status:** - The measured values for the above locations are within the standard.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026001656-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/WW/26/02/1656	**ULR Number**	TC147352600000165 6F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Untreated water	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result
1.	pH	APHA4500H+ B	-	6.98
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	1600
3.	Total Suspended Solids	APHA 2540 D	mg/L	125
4.	Colour	IS 3025(Part 4):1983	Hazen	<2
5.	Odour	IS 3025(Part 5):1983	-	Disagreeable
6.	Total Dissolved Solids	APHA 2540 C	mg/L	3015
7.	Oil & Grease	APHA 5520 B	mg/L	BDL

Note: BOD- Biochemical Oxygen Demand, BDL - Below Detectable Limit.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026001657-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/WW/26/02/1657	**ULR Number**	TC147352600000165 7F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Treated Water	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA4500H+ B	-	8.08	5.5 to 8.5
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	50	100
3.	Total Suspended Solids	APHA 2540 D	mg/L	09	100
4.	Colour	IS 3025(Part 4):1983	Hazen	<2	All efforts should be made to remove colour and unpleasant odour as far as practicable
5.	Odour	IS 3025(Part 5):1983	-	Agreeable	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1454	2100
7.	Oil & Grease	APHA 5520 B	mg/L	BDL	10
Note: BOD- Biochemical Oxygen Demand.					

INFERENCE	As per KSPCB Tolerance Limit: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026001658-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/FW/26/02/1658	**ULR Number**	TC1473526000001658F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Chemical		
Group	Water		
Page No	01 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH	APHA 4500H^+ B	--	8.28	6.5-8.5	NR
2.	Colour	IS 3025(Part 4):1983	Hazen	<2	5	15
3.	Odour	IS 3025(Part 5):1983	--	Agreeable	Agreeable	
4.	Turbidity	APHA 2130 B	NTU	0.43	1	5
5.	Electrical Conductivity	APHA 2510 B	µS/cm	2249	Not Specified	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1485	500	2000
7.	Total Hardness	APHA 2340 C	mg/L	560	200	600
8.	Calcium as Ca	APHA 3500-Ca	mg/L	120	75	200
9.	Magnesium as Mg	APHA 3500 Mg B	mg/L	63.18	30	100
10.	Sulphate as SO_4	APHA 4500-SO_4^{2-} E	mg/L	117.00	200	400
11.	Fluoride as F	APHA 4500F D	mg/L	0.22	1.0	1.5
12.	Nitrate as NO_3	APHA 4500-NO_3 E	mg/L	18.69	45	NR
13.	Chloride as Cl	APHA 4500-Cl B	mg/L	169.94	20260	1000
14.	Residual Free Chlorine	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
15.	Phenolic Compounds	APHA 5530 C	mg/L	BDL	0.001	0.002
16.	Boron as B	APHA 4500-B B	mg/L	BDL	0.5	2.4
17.	Alkalinity	APHA 2320 B	mg/L	510	200	600
18.	Sodium as Na	APHA 3500-Na B	mg/L	64	Not Specified	
19.	Potassium as K	APHA 3500-K	mg/L	3.2	Not Specified	

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Rahul Paramshetti),
Senior Analyst

Concern towards protecting Environment

End of Test Report

Note:

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P : 0831-3569022
M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.

ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ – 590 015

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026001658-2	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/FW/26/02/1658	**ULR Number**	TC1473526000001658F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Chemical		
Group	Residue in water		
Page No	02 of 03		
Amendment No & date	--		

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	Zinc as Zn	IS 3025(Part 2) 2019	mg/L	0.12	5	15
2.	Copper as Cu	IS 3025(Part 2) 2019	mg/L	BDL	0.05	1.5
3.	Total Chromium	IS 3025(Part 2) 2019	mg/L	0.009	0.05	NR
4.	Iron as Fe	IS 3025(Part 2) 2019	mg/L	0.049	1	NR

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026001658-3	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/FW/26/02/1658	**ULR Number**	TC147352600000165 8F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Biological		
Group	Water		
Page No	03 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)
1.	*Total coliform*	IS 15185:2016	Present/ Absent per100ml	Present	Not Specified
2.	*E.coli*	IS 15185:2016	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample
3.	*Faecal Coliform*	APHA 9222 D	Present/ Absent per100ml	Absent	

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT OF SOIL SAMPLE

Test report Number	BTHLLP2026001659-1	**Test report issue date**	27.02.2026
Sample code Number	BTHLLP/SSL/S/26/02/1659	**ULR Number**	TC1473526000001659F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Soil	**Date of receipt of sample**	23.02.2026
Sampling location & method of sampling	Near ETP Plant	**Date of start of analysis**	23.02.2026
		Date of completion of analysis	27.02.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	22.02.2026		
Discipline	Chemical		
Product category	Pollution & Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULTS TABLE

Sl. No.	Parameters	Unit	Methods	Results
1.	pH	--	IS 2720 Part 26	7.38
2.	Texture	--	BTHLLP/SOP/Soil/014	Sandy Loam
3.	Electrical Conductivity	µS/cm	IS 14767	569
4.	Organic Matter	Percent	IS 2720 Part 22	0.82
5.	Water Content	Percent	IS 2720 Part 2	7.93
6.	Available Phosphorous	kg/ha	BTHLLP/SOP/Soil/002	184.6
7.	Sodium as Na	mg/100g	BTHLLP/SOP/Soil/008	139.7
8.	Calcium as Ca	meq/L	BTHLLP/SOP/Soil/005	27
9.	Magnesium as Mg	meq/L	BTHLLP/SOP/Soil/005	11.6
10.	Sulphur as S	mg/100g	BTHLLP/SOP/Soil/004	2.03
11.	Organic Carbon	Percent	BTHLLP/SOP/Soil/023	0.48
12.	Boron as B	mg/100gm	BTHLLP/SOP/Soil/011	1.66
13.	Zinc as Zn	mg/kg	EPA 3050 B	15.6
14.	Chromium as Cr	mg/kg	EPA 3050 B	24.4
15.	Copper as Cu	mg/kg	EPA 3050 B	25.2
16.	Iron as Fe	mg/kg	EPA 3050 B	83

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

for

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026002008-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/A/26/03/2008	**ULR Number**	TC1473526000002008F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Main Gate
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	10.03.2026
		Date of start of analysis	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026	**Time/ duration of sampling**	08 Hrs (09:10 am to 05:10pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	58	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	22	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	8.23	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	17.77	80	IS: 5182 (Part 6)- 1st rev
	Ammonia (NH_3)	µg/m^3	7.44	400.0 (24 hr Average)	IS: 5182 (Part 2026)
5.	Carbon Monoxide (CO)	mg/m^3	0.98	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	26.21	180 (1 hr Average)	IS: 5182 (Part 09)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	4.94	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026002009-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/A/26/03/2009	**ULR Number**	TC1473526000002009F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Canteen Backside south
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	10.03.2026
		Date of start of analysis	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026	**Time/ duration of sampling**	08 Hrs (09:15 am to 05:15pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	60	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	25	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	10.09	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	20.61	80	IS: 5182 (Part 6)- 1st rev
	Ammonia (NH_3)	µg/m^3	8.50	400.0 (24 hr Average)	IS: 5182 (Part 2026)
5.	Carbon Monoxide (CO)	mg/m^3	1.02	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	29.87	180 (1 hr Average)	IS: 5182 (Part 09)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	12.39	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within t he standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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BELGAUM TEST HOUSE LLP

(Recognised under section 12 of the Environment (Protection) Act, 1986) New Delhi.

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(ಪರಿಸರ (ಸಂರಕ್ಷಣಾ) ಕಾಯ್ದೆ 1986 ರ ಕಲಂ 12 ರಲ್ಲಿ ಮಾನ್ಯತೆ ಪಡೆದ ಪ್ರಯೋಗಾಲಯ) ನವ ದೆಹಲಿ.

बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
ಕಛೇರಿ ವಿಳಾಸ : ಪ್ಲಾಟ್ ನಂ. 457/458, ಕಣಬರಗಿ ಇಂಡಸ್ಟ್ರೀಯಲ್ ಏರಿಯಾ, ಆಟೋನಗರ, ಬೆಳಗಾವಿ - 590 015

TC-14735

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026002010-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/A/26/03/2010	**ULR Number**	TC147352600000 2010F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near ETP North
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	10.03.2026
		Date of start of analysis	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026	**Time/ duration of sampling**	08 Hrs (09:20 am to 05:20pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	50	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	20	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	7.92	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	15.28	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	0.73	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	24.08	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	6.70	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	2.18	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.01	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards, t**he measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT AIR QUALITY MONITORING RESULTS

Test report Number	BTHLLP2026002011-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/A/26/03/2011	**ULR Number**	TC147352600000 2011F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Air	**Monitoring location**	Near Spray pond area west
Particulars of sample collected	Monitored through Respirable Dust Sampler 460NL, and Fine Particulate Sampler- APM 550 and Ozone BTH/Ins/CO/01	**Date of receipt of sample**	10.03.2026
		Date of start of analysis	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026	**Time/ duration of sampling**	08 Hrs (09:25 am to 05:25pm)
Discipline	Chemical		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

Sl. No	Parameters	Unit	Results	NAAQ Standards 2009	Methods
1.	Particulate Matter (PM_{10})	µg/ m^3	71	100	IS: 5182 (Part 23)
2.	Particulate Matter ($PM_{2.5}$)	µg/ m^3	27	60	IS: 5182 (Part 24)
3.	Sulphur Dioxide	µg/ m^3	12.26	80	IS: 5182 (Part 2)
4.	Nitrogen Dioxide	µg/ m^3	22.39	80	IS: 5182 (Part 6)- 1st rev
5.	Carbon Monoxide (CO)	mg/m^3	1.21	4.0 (1 hr Average)	IS: 5182 (Part 10)
6.	Ozone (O_3)	µg/m^3	32.91	180 (1 hr Average)	IS: 5182 (Part 09)
7.	Ammonia (NH_3)	µg/m^3	10.03	400.0 (24 hr Average)	IS: 5182 (Part 2026)
8.	Benzene (C_6H_6)	µg/m^3	BDL	5.0 (Annual Average)	IS: 5182 (Part 11)
9.	Benzo (a) pyrene (BaP)	ng/m^3	BDL	1.0 (Annual Average)	IS: 5182 (Part 12)
10.	Nickel (Ni)	ng/m^3	18.51	20.0 (Annual Average)	BTHLLP/SOP/ICPOES/001
11.	Lead (Pb)	µg/m^3	0.03	1.0 (24 hr Average)	BTHLLP/SOP/ICPOES/001
12.	Arsenic (As)	ng/m^3	BDL	6.0 (Annual Average)	BTHLLP/SOP/ICPOES/001

Note: BDL: Below Detectable Limit.

INFERENCE	**As per NAAQ Standards,** the measured values for the above parameters are within the standards.

Reviewed by
(Murgesh Bukitgar),
Technical Manager

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT FOR SOURCE EMISSION

Test report Number	BTHLLP2026002012-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/A/26/03/2012	**ULR Number**	TC147352600000202 12F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Stack emission	**Monitoring location**	Boiler 100 TPH
Particulars of sample collected	Monitored through Stack sampler VSS1	**Date of receipt of sample**	10.03.2026
		Date of start of analysis	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026		
General Details	Ambient temperature (^{0}C):27	Stack temperature (^{0}C):142	Velocity (m/s):8.01	Diameter (m):3.5
	Cross section area (m^2): 9.616	Quantity of flue gas discharged into atmosphere (Nm^3/h):200495.70		Dust emission rate of PM (Kg/hr):8.831
Discipline	Chemical			
Group	Atmospheric Pollution			
Page No	1 of 1			
Amendment No & date	--			

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Tolerance Limits
Particulate Matter	IS: 11255 (Part-1)	mg/Nm^3	44.05	150
Oxides of Nitrogen as NO_2	IS 11255 (Part-7)	mg/Nm^3	20.75	Not Specified
Sulphur dioxide	IS: 11255 (Part-2)	mg/Nm^3	9.76	Not Specified

INFERENCE	**As per KSPCB Tolerance Limits,** **Report Status:** - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

AMBIENT NOISE LEVEL MONITORING REPORT

Test report Number	BTHLLP2026002013-2020-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/N/26/03/2013-2020	**ULR Number**	TC1473526000002013F to TC1473526000002020F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter/ Purpose of the report**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Ambient Noise level monitoring	**Date of receipt of sample**	10.03.2026
Particulars of sample collected	Monitored through Sound level meter C-390	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of Monitoring	04.03.2026		
Discipline	Chemical-		
Group	Atmospheric Pollution		
Page No	1 of 1		
Amendment No & date	--		

RESULTS

Sl. No	Sample Location	Time Frequency	Parameters IN dB(A) L_{eq}	CPCB Std.
2013	Near main gate	09:30 am to 09:45am	52.90	**75dB(A) Day**
2014	Near Boiler area	09:50 am to 10:05am	70.26	
2015	Near Sugar godown	10:10 am to 10:25am	55.26	
2016	Near ETP Plant	10:30 am to 10:45 am	49.04	
2017	Near main gate	10:00 pm to 10:15 pm	47.32	**70dB(A) Night**
2018	Near Boiler area	10:20 pm to 10:35 pm	58.62	
2019	Near Sugar godown	10:40 pm to 10:55 pm	45.09	
2020	Near ETP Plant	11:00 pm to 11:15 pm	39.47	

Note:

- Day Time is reckoned between 6:00 A.M and 10:00 P.M
- Night Time is reckoned between 10:01 P.M and 6.00 A.M
- L_{eq}:It is energy mean of the noise level over a specified period.
- *dB (A) L_{eq} denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB (A) L_{eq}, denotes the frequency weighting in the measurement of noise and corresponds to Frequency response characteristics of the human ear.

INFERENCE	**As per CPCB Standards,** **Report Status:** - The measured values for the above locations are within the standard.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026002021-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/WW/26/03/2021	**ULR Number**	TC147352600000202 1F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Untreated water	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result
1.	pH	APHA4500H+ B	-	6.30
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	1300
3.	Total Suspended Solids	APHA 2540 D	mg/L	108
4.	Colour	IS 3025(Part 4):1983	Hazen	<2
5.	Odour	IS 3025(Part 5):1983	-	Disagreeable
6.	Total Dissolved Solids	APHA 2540 C	mg/L	2960
7.	Oil & Grease	APHA 5520 B	mg/L	BDL
Note: BOD- Biochemical Oxygen Demand, BDL - Below Detectable Limit.				

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WASTE WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026002022-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/WW/26/03/2022	**ULR Number**	TC1473526000002022F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	ETP Treated Water	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Industry Premise, Grab sampling	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Chemical		
Group	Pollution and Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULT TABLE

SI. No	Parameters	Test Method	Unit	Result	KSPCB Tolerance Limit
1.	pH	APHA4500H+ B	-	7.93	5.5 to 8.5
2.	B.O.D (3 days @ 27°C)	IS 3025 Part 44	mg/L	70	100
3.	Total Suspended Solids	APHA 2540 D	mg/L	12	100
4.	Colour	IS 3025(Part 4):1983	Hazen	<2	All efforts should be made to remove colour and unpleasant odour as far as practicable
5.	Odour	IS 3025(Part 5):1983	-	Agreeable	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1991	2100
7.	Oil & Grease	APHA 5520 B	mg/L	BDL	10
Note: BOD- Biochemical Oxygen Demand.					

INFERENCE	As per KSPCB Tolerance Limit: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik),
Senior Analyst

Authorized Signatory
(Raviraj Paramshetti),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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M : 7899818373, 9902824295
E-mail : belgaumtesthouse@gmail.com

Office Address : Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum - 590 015.
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TC-14735

ISO 9001 : 2015, ISO 14001 : 2015 & ISO 45001 : 2018 Accredited Testing Laboratory by NABL

TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026002023-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/FW/26/03/2023	**ULR Number**	TC147352600000202 3F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Chemical		
Group	Water		
Page No	01 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	pH	APHA 4500H^+ B	--	8.00	6.5-8.5	NR
2.	Colour	IS 3025(Part 4):1983	Hazen	<2	5	15
3.	Odour	IS 3025(Part 5):1983	--	Agreeable	Agreeable	
4.	Turbidity	APHA 2130 B	NTU	0.52	1	5
5.	Electrical Conductivity	APHA 2510 B	µS/cm	2421	Not Specified	
6.	Total Dissolved Solids	APHA 2540 C	mg/L	1605	500	2000
7.	Total Hardness	APHA 2340 C	mg/L	580	200	600
8.	Calcium as Ca	APHA 3500-Ca	mg/L	124	75	200
9.	Magnesium as Mg	APHA 3500 Mg B	mg/L	65.61	30	100
10.	Sulphate as SO_4	APHA 4500-SO_4^{2-} E	mg/L	133.28	200	400
11.	Fluoride as F	APHA 4500F D	mg/L	0.14	1.0	1.5
12.	Nitrate as NO_3	APHA 4500-NO_3 E	mg/L	20.12	45	NR
13.	Chloride as Cl	APHA 4500-Cl B	mg/L	179.94	20260	1000
14.	Residual Free Chlorine	APHA 4500-Cl B	mg/L	BDL	0.2	1.0
15.	Phenolic Compounds	APHA 5530 C	mg/L	BDL	0.001	0.002
16.	Boron as B	APHA 4500-B B	mg/L	BDL	0.5	2.4
17.	Alkalinity	APHA 2320 B	mg/L	530	200	600
18.	Sodium as Na	APHA 3500-Na B	mg/L	72	Not Specified	
19.	Potassium as K	APHA 3500-K	mg/L	4.8	Not Specified	

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Vinayak Naik)
Senior Analyst

Authorized Signatory
(Ravirai Paramshetti),
Senior Analyst

Concern towards protecting Environment

End of Test Report

Note:

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026002023-2	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/FW/26/03/2023	**ULR Number**	TC147352600000202 3F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Near ETP Plant ,Industrial Premises, Grab sampling	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Chemical		
Group	Residue in water		
Page No	02 of 03		
Amendment No & date	--		

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)	
					AL	PL
1.	Zinc as Zn	IS 3025(Part 2) 2019	mg/L	0.059	5	15
2.	Copper as Cu	IS 3025(Part 2) 2019	mg/L	0.01	0.05	1.5
3.	Total Chromium	IS 3025(Part 2) 2019	mg/L	0.008	0.05	NR
4.	Iron as Fe	IS 3025(Part 2) 2019	mg/L	0.23	1	NR

AL –Acceptable Limit, PL – Permissible Limit, BDL – Below Detectable Limit, NR – No Relaxation.

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Vinayak Naik),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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बेलगांव टेस्ट् हाउस एलएलपी

(पर्यावरण (संरक्षण) अधिनियम, 1986 अनुभाग 12 की धारा मान्यता प्राप्त प्रयोगशाला) न्यु दिल्ली.

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

WATER QUALITY ANALYSIS REPORT

Test report Number	BTHLLP2026002023-3	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/FW/26/03/2023	**ULR Number**	TC14735260000002023F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Borewell water No.1 Near ETP Plant	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Industrial Premises, Grab sampling	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Biological		
Group	Water		
Page No	03 of 03		
Amendment No & date	--		

RESULT TABLE

Sl. No	Parameters	Test Methods	Unit	Result	Std. IS 10500:2012 (Second Revision)
1.	*Total coliform*	IS 15185:2016	Present/ Absent per100ml	Present	Not Specified
2.	*E.coli*	IS 15185:2016	Present/ Absent per100ml	Absent	Shall not be detectable in any 100 ml sample
3.	*Faecal Coliform*	APHA 9222 D	Present/ Absent per100ml	Absent	

INFERENCE	**As per IS 10500:2012(Second Revision),** Report Status: - The measured values for the above parameters for those standards have been specified are within the said standards.

Reviewed by
(Arjun T.),
Senior Analyst

Authorized Signatory
(Kajal Kavilkar),
Senior Analyst

End of Test Report

Concern towards protecting Environment

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TEST REPORT

BTHLLP / GEN / F / 25 / 02 / 00

ANALYSIS REPORT OF SOIL SAMPLE

Test report Number	BTHLLP2026002024-1	**Test report issue date**	14.03.2026
Sample code Number	BTHLLP/SSL/S/26/03/2024	**ULR Number**	TC147352600000 2024F
Name and address of customer with contact details	**M/s Sangamnath Sugar Ltd.,** Bylihal village, Sindagi taluk, Vijayapur district, Karnataka	**Reference to Work order/ Client request letter**	SSL/202026-202/63 Date:10.11.2025
Name of the sample	Soil	**Date of receipt of sample**	10.03.2026
Sampling location & method of sampling	Near ETP Plant	**Date of start of analysis**	10.03.2026
		Date of completion of analysis	14.03.2026
Sample collected by	M/s. Belgaum Test House LLP, Plot No. 457/458, Kanbargi Industrial Area, Autonagar, Belgaum 590015	**Reference to sampling procedure**	BTHLLP/QSP/19
Date of sampling	04.03.2026		
Discipline	Chemical		
Product category	Pollution & Environment		
Page No	01 of 01		
Amendment No & date	--		

RESULTS TABLE

Sl. No.	Parameters	Unit	Methods	Results
1.	pH	--	IS 2720 Part 26	7.56
2.	Texture	--	BTHLLP/SOP/Soil/014	Sandy Loam
3.	Electrical Conductivity	µS/cm	IS 14767	439
4.	Organic Matter	Percent	IS 2720 Part 22	1.24
5.	Water Content	Percent	IS 2720 Part 2	10.23
6.	Available Phosphorous	kg/ha	BTHLLP/SOP/Soil/002	205.45
7.	Sodium as Na	mg/100g	BTHLLP/SOP/Soil/008	159.6
8.	Calcium as Ca	meq/L	BTHLLP/SOP/Soil/005	22.4
9.	Magnesium as Mg	meq/L	BTHLLP/SOP/Soil/005	17.8
10.	Sulphur as S	mg/100g	BTHLLP/SOP/Soil/004	1.80
11.	Organic Carbon	Percent	BTHLLP/SOP/Soil/023	0.72
12.	Boron as B	mg/100gm	BTHLLP/SOP/Soil/011	1.15
13.	Zinc as Zn	mg/kg	EPA 3050 B	46.4
14.	Chromium as Cr	mg/kg	EPA 3050 B	35.6
15.	Copper as Cu	mg/kg	EPA 3050 B	62.1
16.	Iron as Fe	mg/kg	EPA 3050 B	146.3

Reviewed by
(Raviraj Param Shetti),
Senior Analyst

Authorized Signatory
(Murgesh Bukitgar),
Technical Manager

End of Test Report

Concern towards protecting Environment

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