

SPSCL/MoEF/2025-26/331

Date: 29<sup>th</sup> May 2025.

To,

The ACCF regional Office  
Ministry of Environment & Forestry (SZ)  
Kendriya sadan, 4<sup>th</sup> Floor  
E&F wing 17<sup>th</sup> Main road  
Second Block  
Koramangel  
Bengaluru-560034



**Shri Prabhulingeshwar**  
**Sugars And Chemicals Ltd**

**Sub:** Submission of updated compliance to environmental clearance conditions reg..

**Ref:** EC order No: SEIAA 21 IND 2019.

**Dear Sir,**

Here with we are submitting the updated compliance and status report to the Environmental Clearance conditions for the period October-2024 to March 2025.

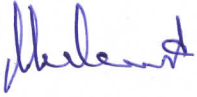
Yours faithfully

For **SHRI PRABHULINGESHWAR SUGARS AND CHEMICALS LTD**

  
**DHARMALINGAYYA. J. GUDAGUNTI.**  
**DIRECTOR**



Copy to:  
Regional Office KSPCB Bagalkot



Half-yearly EC Compliance Report  
Period October 2024 to March - 2025

Project: Expansion of sugarcane crushing capacity from 8,500 TCD to 12,000 TCD and the co-gen from 40 MW to 55.5 MW by M/s. Shri Prabhulingeshwar Sugars and Chemicals Ltd

## EC details

EC Identification No: EC22B025KA196030  
File No. SEIAA 21 IND 2019  
Category B1  
Project/Activity Included 5 (j) Sugar Industry  
Schedule No.  
Sector Industrial Projects - 2  
Issuing Authority SEIAA, Karnataka  
EC Date 22.04.2022

## Products manufacturing at present

Sl. No	Unit	Product/ byproduct	Total Quantity as per EC	Total Quantity as per CFO	Total Quantity as per the previous crushing season
1	TCD	Sugar	12000	12000	12579.65
2	MW	Co-generation power plant	55.5	55.5	34.35

## COMPLIANCE STATUS TO THE ENVIRONMENTAL CLEARANCE

## I. Statutory Compliances:

S No	Condition	Compliances
i.	<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 non-forest purpose involved in the project.</i>	<b>Compliances:</b> Not applicable, there is no involvement of Forest land in the project.
ii.	<i>The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.</i>	<b>Compliances:</b> Not applicable, as the project is not in eco sensitive zone
iii.	<i>The project proponent shall prepare a Site-Specific Conservation Plan &amp; Wild life Management Plan and approved by the Chief Wild life 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)</i>	<b>Compliances:</b> Not applicable, there is no schedule I species in the study area
iv.	<i>The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention &amp; Control of Pollution) Act, 1981 and the Water (Prevention &amp; Control of Pollution) Act, 1974 from the concerned State pollution Control Board / Committee.</i>	<b>Complied</b>



	Consent to Establish (CTE) is granted by Karnataka State pollution Control Board (KSPCB) Vide no: CTE-333611 Dated 30.09.2022. The plant is established as per CFE. Consent for Operation (CFO) is granted for existing activities Sugar plant and co-generation power plant by Karnataka State Pollution Control Board (KSPCB) Vide no: AW-335696/ PCB ID 10043/ Inward ID: 174377 Dated 21.01.2023 and is valid up to 30.06.2026.
v.	<i>The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.</i>
	<b>Complied</b> Authorization Hazardous and other Waste Management Rules, 2016 is granted by KSPCB Vide NO: 330009 Dated 25.02.2022 and is valid up to 30.06.2026
vi.	<i>The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MS&amp;HC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.</i>
	<b>Complied</b> Not storing any Hazardous chemicals

## II. Air Quality monitoring and preservation:

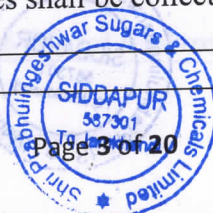
S No	Condition
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
	<b>Complied</b> Boilers stacks are provided with continuous particulate emission monitoring system and it is connected to SPCB / CPCB servers. The Summary of continuous stack emission monitoring for a period of Jan 2025 to February of Stack 1 attached to boilers 60 TPH & 135 TPH and Stack 2 attached to boiler 60 TPH is attached as <b>Annexure- I.</b>
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. PM2.5 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).
	<b>Complied</b> At four stations of Ambient Air Quality (AAQ) is set up viz., near main gate, near stores, near ETP, and near weigh bridge and are AAQ monitoring is through NABL laboratory. AAQ monitored once in a month during the sugarcane crushing season. The analysis results are within the NAAQ standards. The analysis report is attached as <b>Annexure 2.</b>
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.
	<b>Complied</b> Summary of the continuous stack monitoring report for the previous crushing season is attached as <b>Annexure 1.</b>



	Summary of the AAQ monitoring report for the previous crushing season is attached as <b>Annexure 2.</b>									
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.									
	<b>Complied</b> Electrostatic Precipitator (ESP) is provided as APC equipment to boilers 135 TH, 60 TPH and 60 TPH. The controlled emissions are dispersed through common chimney of 74 m for boilers 135 TPH and 60 TPH and for boiler 60 TPH is provided with 54 m height above ground level (AGL) respectively. Water sprinkling is carried out periodically for controlling the fugitive dust from vehicles.									
v.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 shall be complied with.									
	<b>Complied</b> The Air quality monitoring reports indicates the values are within the NAAQ standards.									
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 as per CPCB/SPCB guidelines.									
	<b>Complied</b> Coal is not used as fuel. Bagasse is only fuel used in the boilers.									
vii.	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are conformity with the extant regulations and the guidelines in this regard.									
	<b>Complied</b> DG sets capacity. <table><tr><th>Sl. No</th><th>DG Capacity</th><th>Chimney Height</th></tr><tr><td>1</td><td>2 x 500</td><td>Individual chimney 9 m above roof</td></tr><tr><td>2</td><td>New 1000 kva to be installed</td><td>Yet to be installed</td></tr></table>	Sl. No	DG Capacity	Chimney Height	1	2 x 500	Individual chimney 9 m above roof	2	New 1000 kva to be installed	Yet to be installed
Sl. No	DG Capacity	Chimney Height								
1	2 x 500	Individual chimney 9 m above roof								
2	New 1000 kva to be installed	Yet to be installed								
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.									
	<b>Complied</b> Coal is not used in the plant. Ash from the boiler is collected in silo and given to sister concern M/s. Siddapura Distilleries Limited for Composting through belt conveyors.									

### III. Water Quality monitoring and preservation:

S No	Condition
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 achieved ZLD) and connected to SPCB and CPCB online servers.
	<b>Complied</b> Online Monitoring for flow, pH, BOD, COD, SS provided and connected to SPCB and CPCB online servers.
ii.	Process effluent /any waste water 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.
	<b>Complied</b>



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	No effluent is let into stormwater drains. It is treated in on-site ETP and reused for Process. The stormwater from the premises is collected and discharged through a separate conveyance system. There is no mixing of stormwater and process effluent water.
iii.	The effluent discharged shall confirm to the standards prescribed under the Environment (Protection) Rules, 1986, are as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
	<b>Complied</b> Treated Effluent analysis report indicates that the treated effluent meets the standards stipulated in the Consent order, and effluent monitoring during the previous crushing season is enclosed in <b>Annexure 3</b> .
iv.	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.
	<b>Complied</b> Fresh water is drawn from Krishna River; permission is given by Gov of Karnataka, Krishna Bhagya Jala Nigam Ltd., (KBJNL) Vide No. ID 146 IWBm 97 Dated 26.06.1998 & Permission is given to draw 4800 KLD of water. The average freshwater consumption 880 KLD, against the consented quantity i.e., 1103 KLD as per the CFO dated 21/01/2023.
v.	The sugar plant effluents shall be treated in existing sugar plant ETP comprises of Anaerobic digester followed by EASP for existing effluent hydraulic load of 1250 KLD. To augment the generation of additional effluent load of 550 KLD additional and Bio digester on UASB principled to provide in parallel. Cooling tower bleed shall be treated in CPU and treated water is reused in sugar process. Excess condensate from sugar process partly reused in Co-Gen Cooling tower without any treatment and remaining shall be treated CPU. Treated water shall be reused in RO plant and Sugar plant CPU reject, RO reject and Co-Gen cooling tower bleed to be treated in Polishing pond and treated water is used for Irrigation and green belt development.
	<b>Complied</b> ETP is provided as per the conditions stipulated. The ETP performance evaluation is carried out through the competent authority reports submitted already. CPU Treated water is reused in RO plant and Co-Gen cooling tower makeup. Sugar plant cooling tower overflow, RO reject and Co-Gen cooling tower bleed is treated in Polishing Pond and is used for Irrigation and green belt development. ETP Flow chart is attached as <b>Annexure-4</b> .
Vi	The company shall harvest rain water from the roof tops of the buildings and storm water drains to discharge the ground water and utilize the same for different industrial operations within the plant.
	<b>Complied:</b> Photographs enclosed as <b>Annexure 5</b> .

#### IV. Noise monitoring and preservation:

S No	Condition
i.	Acoustic enclosures shall be provided to DG set for controlling the noise pollution.
	<b>Complied</b> Acoustic enclosures are provided for DG sets 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.
	<b>Complied</b> The noise levels are monitored at five locations. The noise levels meeting the standards. The Monitored results are enclosed as <b>Annexure – 6.</b>
iii.	Ambient noise level should confirm to the standards prescribed under E (P) A rules 1986 VIZ, 75 dB (A) during day time & 70 dBA During night time.
	<b>Complied</b> The noise levels are monitored at five locations. The noise levels meeting the standards. The Monitored results are enclosed as <b>Annexure – 6.</b>

**V. Energy conservation measures:**

S No	Condition
i.	The energy sources for lighting purposes shall preferably be LED based.
	<b>Complied.</b> LED lighting is used at all the lighting points. Photographs of LED lighting installed is shown in <b>Annexure-7</b>

**VI. Waste Management:**

S No	Condition
i.	Hazardous chemicals shall be stored in tanks, tanks farms, drums, carboys etc.... flame arresters shall be provided on tank farm and the solvent transfer through pumps.
	<b>Complied</b> Hazardous chemicals are not used in the sugar plant.
ii.	Impervious tanks form to be provided for storage of molasses to avoid accidental spillage from reaching soil. Used oil to be stored in secured manner in drums before disposal as per Authorization.
	<b>Complied</b> Molasses is stored in MS tanks over the ground. To control the over spillage of molasses from tank due to heat water cooling is adopted for the molasses tanks. The tank is cooled by spraying water. Dyke wall is under construction and it will be completed by December 2025. Used oil is generated once in a year during the servicing of DG sets. The used oil contained in drums and stored securely before disposing to the recyclers or used as lubricants within the plant for machineries.

**VII. Green Belt:**

SNo	Condition
i.	Green belt shall be developed in an area equal to 33 % of the plant area with native tree species accordance with CPCB guidelines. The green belt shall inter alia cover entire periphery of the plant.
	<b>Complied</b> Around 13.75 Hectares of the total project site, i.e. 33 %, is developed as greenbelt—about 18400 Nos. Trees are planted and maintained. An additional 16000 trees saplings will be planted. The capital cost is Rs. 80 Lakhs, and the recurring cost is Rs. 37 Lakhs/ annum for greenbelt development.



**VIII. Safety, Public hearing and human health Issues:**

S No	Condition
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) Disaster Management Plan shall be implemented.
	<b>Complied</b> Already submitted.
ii	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act
	<b>Complied</b> PPE is supplied to all employees as per the norms.
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 under taken on regular basis. Training to all employees on handling chemicals shall be imparted.
	<b>Complied</b> <ul style="list-style-type: none"> <li>• Training is provided to all the workers and other employees in Occupational health &amp; safety aspects.</li> <li>• Pre-employment and routine periodical medical examinations are carried out every year. Copy already submitted. Latest sample reports enclosed. .</li> </ul>
iv	Provisions shall be made for the housing construction labor within the site with all necessary infrastructure 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.
	<b>Complied</b> The construction work for the project is completed. All the necessary infrastructure facilities were provided to the construction workers. .
v	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per the factories Act.
	<b>Complied</b> Pre-employment and routine periodical medical examinations are carried out every year. Copy already submitted.
vi	There shall be adequate space inside the plant premises ear marked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places.
	<b>Complied</b> An area of 28 acres is earmarked for sugarcane trucks, tractors etc.. Already submitted.

**IX. Corporate Environmental Responsibilities:**

S No	Condition
i	The project Proponent shall comply with provision contained in OM vide F. No. 22-65/2017-IA.III Dated 20 <sup>th</sup> October 2020, of the Ministry of Environment, Forest and Climate Changes as applicable, regarding Corporate Environment Responsibility and shall execute the action plan infrastructure development for Drinking water and sanitization infrastructure development for education, Scientific support and awareness to local farmers to increase yield of crops and fodder and Avenue plantation in community areas, as submitted vide letter dated 19.04.2022.



	<p><b>Complied</b> The details of the CER Activity to be under taken as per the commitment in letter dated in 19/04/2022 is enclosed as <b>Annexure – 8</b> Out of the above CER plan the following works have been taken up and completed. October 2024-March 2025</p> <p>1. During the year Krishna river water supplied to Siddapur Lake with the help of our Jack well. Expenditures incurred ( KPTCL energy meter bill) payments (Approx.): Jack well operated hours 978 of 300 KWh = 2,93,400 units x Rs 7.40 = Rs 21,71,161/-</p> <p>April 2024-September 2024</p> <p>1. During the year Krishna river water supplied to Siddapur Lake with the help of our Jack well. Expenditures incurred ( KPTCL energy meter bill) payments (Approx.): Jack well operated hours 887 of 300 KWh = 2,66,100 units x Rs 7.40 = Rs 19.69,140/-</p> <p>April-2023 to March 2024</p> <p>1 During the year Krishna river water supplied to Siddapur Lake with the help of our Jack well. Expenditures incurred ( KPTCL energy meter bill) payments (Approx.): Jack well operated hours 2141 300 KWh = 642300 units x Rs 7.40 = Rs 48,87,070/-</p> <p>2. Donated two nos of computers to Kadapatti Village Government School. Expenditure incurred Rs 80,240 /-</p>
ii.	<p>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 shareholders / stock holders. The copy of the board resolution in this regard shall be submitted to the MoEF &amp; CC as a part of six-monthly report.</p>
	<p><b>Complied</b> Copy of the Environmental Policy is already submitted.</p>
iii.	<p>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.</p>
	<p><b>Complied</b> Environmental cell is in place with qualified personnel.</p>
v.	<p>Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.</p>
	<p><b>Complied</b> Environmental audit is carried out every year and report submitted to KSPCB. The audit report for the year 2023 – 2024 (FORM No V ) is enclosed.</p>

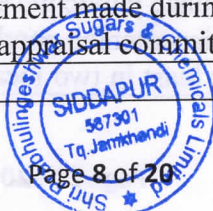
**X. Miscellaneous:**

SL No	Condition
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 proponents website permanently.
	<b>Complied:</b> Advertisement in newspaper is given regarding the grant of EC by SEIAA. The copy of the newspaper cutting is already submitted. The EC is displayed in company website <a href="http://prabhusugars.com">http://prabhusugars.com</a>
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies the same for 30 days from the date of receipt.
	<b>Complied</b> The copies of the environmental clearance were submitted to the Heads of local bodies, Panchayats and Municipal Bodies.
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.
	<b>Complied</b> The environment clearance conditions, including results of monitored data is displayed in company website <a href="http://prabhusugars.com">http://prabhusugars.com</a>
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.
	<b>Complied</b>
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.
	<b>Compliances:</b> Six-monthly reports on the status of the compliance of the stipulated environmental conditions are submitted and emailed to Regional Office, MoEF & CC, Bangalore.
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.
	<b>Complied.</b> The latest form V is submitted to KSPCB & is enclosed.
vii.	The project proponent shall inform the regional office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
	<b>Noted and complied with.</b>
viii.	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board and the State Government.
	<b>Noted and complied with.</b> The conditions stipulated in CFO is complied with.
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
	<b>Noted and complied with</b>

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x	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest Climate Change (MoEF & CC).
	<b>Noted and complied with</b>
xi	Concealing factual data are submission of falls / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act 1986.
	<b>Noted and agreed.</b>
xii	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
	<b>Noted and agreed</b>
xiii	The ministry reserves the rights to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.
	<b>Noted and agreed.</b>
xiv	The regional office of this ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer of the Regional office by furnishing requisite data information / monitoring reports.
	<b>Agreed.</b>
xv	The above condition shall be enforced inter-alia under the provisions of the Water (Prevention and Control of pollution) Act 1974, Air (Prevention and Control of pollution) Act 1981, the environment protection Act 1986, Hazardous and other wastes (Management & trans boundary movements rules 2016 and the public liability insurance Act 1991 along with their amendments and rules and any other orders passed by the Honorable Supreme court of India / High courts and any other court of law relating to the subject matter.
	<b>Noted and agreed.</b>
xvi	Any appeal against the EC shall lie with the national, if preferred within a period of 30 days as prescribed under section 16. Of the national green tribunal Act 2010.
	<b>Noted.</b>

**Additional conditions:**

S No	Condition	Compliances
I	The proponent shall carry out analysis and record the characteristics of the USB digester sludge for its microbial activity on annual base to co relate its performance and asses its efficiency.	
	<b>Compliances:</b> Reports enclosed as Annexure 9.	
ii	The project proponent shall under take a bench scale study for extraction of wax from press mud and later on use the findings of the bench scale study for pilot plant adoption.	
	<b>Compliances:</b> Work will be taken up in consultation with the Sugar Institute.	

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**DHARMALINGAYYA. J. GUDAGUNTI**  
**DIRECTOR.**  
**SHRI PRABHULINGESHWAR**  
**SUGARS AND CHEMICALS LTD**

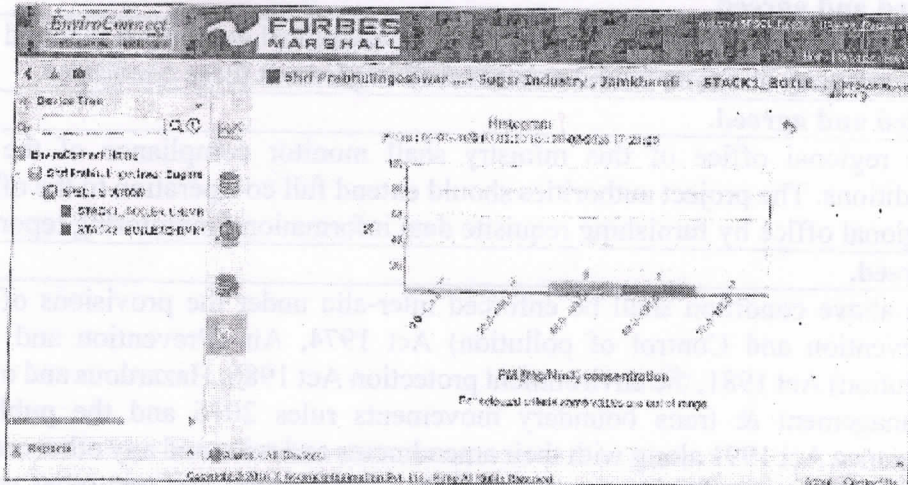




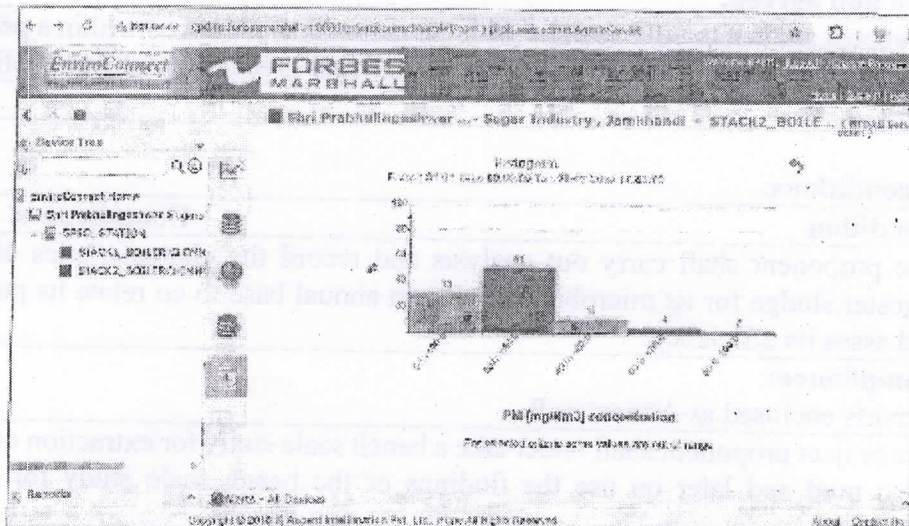
Annexure 01  
Online

Annexure I.

Summary of continuous stack emission monitoring for a period of Jan 2025 to February of Stack 1 attached to boilers 60 TPH & 135 TPH



Summary of continuous stack emission monitoring for a period of Jan 2025 to February of Stack 2 attached to boiler 60 TPH



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**Boiler Stack monitoring reports**

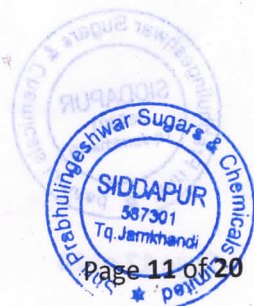
NICHROME TESTING LABORATORY, Dharwad, Karnataka, an MoEF & CC, New Delhi, and an NABL-accredited laboratory carried out boiler stack monitoring during the previous crushing season. The month-wise boilers stacks analysis results are as follows;

**Boiler Stack reports**

Stack No I					
Stack Height: 54 m		Stack Dia: 3.25 m		C S Area: 7.07 Sqm	
Fuel Used: Bagasse		Boiler capacity: 60 TPH			
APC: Electro Static Precipitator (ESP)					
Flue gas Parameters	Temp	Velocity	PM	Sox	NOx
Units	Deg <sup>0</sup> C	m/s	mg/Nm <sup>3</sup>	mg/Nm <sup>3</sup>	mg/Nm <sup>3</sup>
May 2024 to October 2024 Unit not in operation due to offseason					
November 24	130	9.27	44.5	17.2	32.7
December 24	162	9.36	42.1	16.6	47.9
January 25	135	7.06	43.7	13.52	31.75
February 25	110	9.04	45	9.09	29.61
March25	130	7.19	52.1	19.28	39.72
PM emission limit as per CFO	-	-	115	-	-

Stack No II					
Stack Height: 74 m		Stack Dia: 4.23 m		C S Area: 7.07 Sqm	
Fuel Used: Bagasse		Boiler capacity: 60+135 TPH			
APC: Electro Static Precipitator (ESP)					
Flue gas Parameters	Temp	Velocity	SPM	SO x	NO x
Units	Deg <sup>0</sup> C	m/s	mg/Nm <sup>3</sup>	mg/Nm <sup>3</sup>	mg/Nm <sup>3</sup>
May 2024 to October 2024 Unit not in operation due to offseason					
November 24	145	9.45	48.10	20.1	33.9
December 24	168	9.55	47.00	18.1	48.9
January 25	140	7.36	47.40	17.51	39.87
February 25	149	9.8	49.00	9.21	37.18
March25	130	7.19	59.10	19.2	37.84
PM emission limit as per CFO	-	-	115	-	-

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**Annexure 2.****Ambient Air Quality Monitoring**

NICHROME TESTING LABORATORY, Dharwad, Karnataka, an MoEF & CC, New Delhi, and an NABL-accredited laboratory carried out ambient air quality monitoring at five locations within the industry premises during the previous crushing season. The month-wise AAQ analysis results are as follows;

**A) Station: Near Main Gate**

Month	PM 10	PM 2.5	SOx	NOx
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
October 24	Industry was not in operation (Off season)			
November 24	84.90	38.60	5.88	10.90
December 24	89.45	49.00	6.66	11.17
January 25	87.22	35.21	5.34	11.12
February 25	80.60	29.62	5.33	9.14
March 25	82.18	36.10	4.35	10.08
NAAQ Standards	100	60	80	80

**B) Station: Near Store**

Month	PM 10	PM 2.5	SOx	NOx
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
October 24	Industry was not in operation (Off season)			
November 24	78.30	30.20	6.19	9.18
December 24	79.93	45.32	5.71	11.91
January 25	84.96	32.04	4.58	10.58
February 25	82.96	27.15	5.8	9.86
March 245	80.69	30.15	4.87	10.18
NAAQ Standards	100	60	80	80

**C)****D) Station: Near Effluent Treatment Plant**

Month	PM 10	PM 2.5	Sox	NOx
Units	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
October 24	Industry was not in operation (Off season)			
November 24	76.10	29.40	5.84	11.40
December 24	75.57	41.25	4.76	10.42
January 25	79.3	28.61	4.35	9.86
February 25	77.16	25.13	5.33	10.54
March 25	78.27	30.08	4.49	9.57
NAAQ Standards	100	60	80	80





E) Station: Near Weigh Bridge

Month	PM 10	PM 2.5	Sox	NOx
Units	µg/m3	µg/m3	µg/m3	µg/m3
October 24	Industry was not in operation (Off season)			
November 24	72.30	27.60	5.81	11.30
December 24	73.2	35.62	5.01	9.68
January 25	74.76	25.32	4.83	10.96
February 25	74.47	23.14	4.58	9.86
March 25	79.72	28.31	4.84	10.79
NAAQ Standards	100	60	80	80

Ambient Air Quality Monitoring 12 Parameters monitored for 24 Hrs duration.  
FEBRUARY -2025

Month	FEBRUARY -2025			
Station Name	Main Gate	Weigh Bridge	Store	Effluent Treatment Plant
PM 10	80.6	74.47	82.96	77.16
PM 2.5	29.62	23.14	27.15	25.13
Sox	5.33	4.58	5.8	5.33
NOx	9.14	9.86	9.86	10.54
Ammonia (NH3)	BDL	BDL	BDL	BDL
Ozone (O3)	BDL	BDL	BDL	BDL
Carbon monoxide (CO)	1.17	1.16	1.11	1.13
Benzene (C6H6)	BDL	BDL	BDL	BDL
Lead (Pb)	BDL	BDL	BDL	BDL
Benzopyrine (BaP)	BDL	BDL	BDL	BDL
Arsenic (As)	BDL	BDL	BDL	BDL
Nickel (Ni)	BDL	BDL	BDL	BDL
Duration (Hrs)	24	24	24	24





**Annexure 03**  
**Treated Effluent analysis reports**

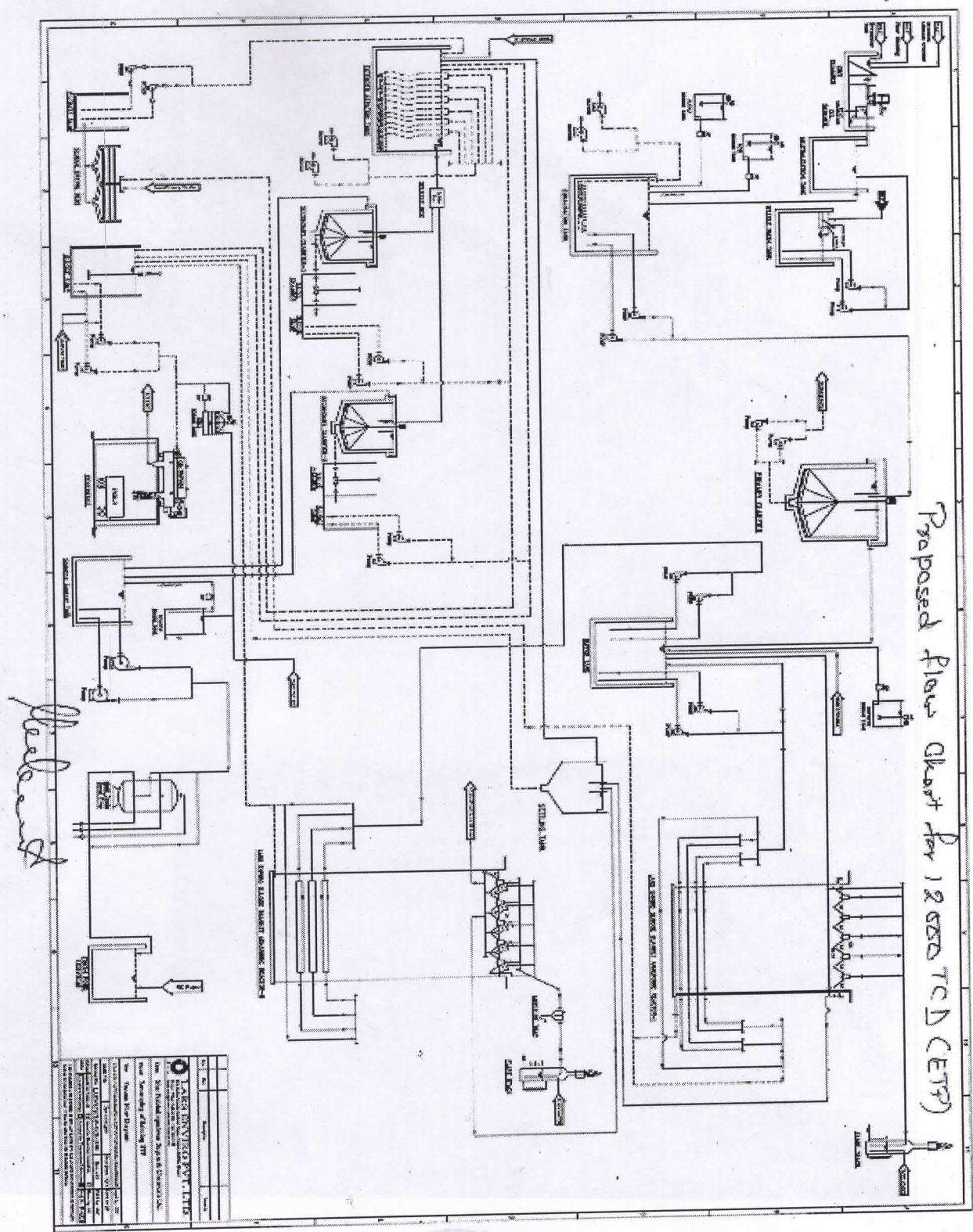
NICHROME TESTING LABORATORY, Dharwad, Karnataka, an MoEF & CC, New Delhi, and an NABL-accredited laboratory carried out treated effluent analysis during the previous crushing season. The month-wise treated effluent analysis results are as follows;

Parameters	Color	Odor	pH	BOD	TDS	TSS	Oil & Grease
Units	....	....	...	mg/liter	mg/liter	mg/liter	mg/liter
Limits	Not specified	Not specified	6.50-8.50	100 max	2100 max	100 max	10 max
October 2024	Industry was not in operation (Off season)						
November 2024	Colorless	Agreeable	8.17	BDL	2226	BDL	BDL
December 2024	Colorless	Agreeable	8.43	86.2	1856	92	BDL
January 2025	Colorless	Agreeable	7.93	24.88	2026	20	BDL
February 2025	Colorless	Agreeable	7.82	26.83	1956	25	BDL
March 2025	Colorless	Agreeable	7.84	28.89	1820	21	BDL
BDL: Below detection Limit							





Annexure 04  
ETP flow Chart



Proposed flow chart for 12000 TCD (ETP)

Heled

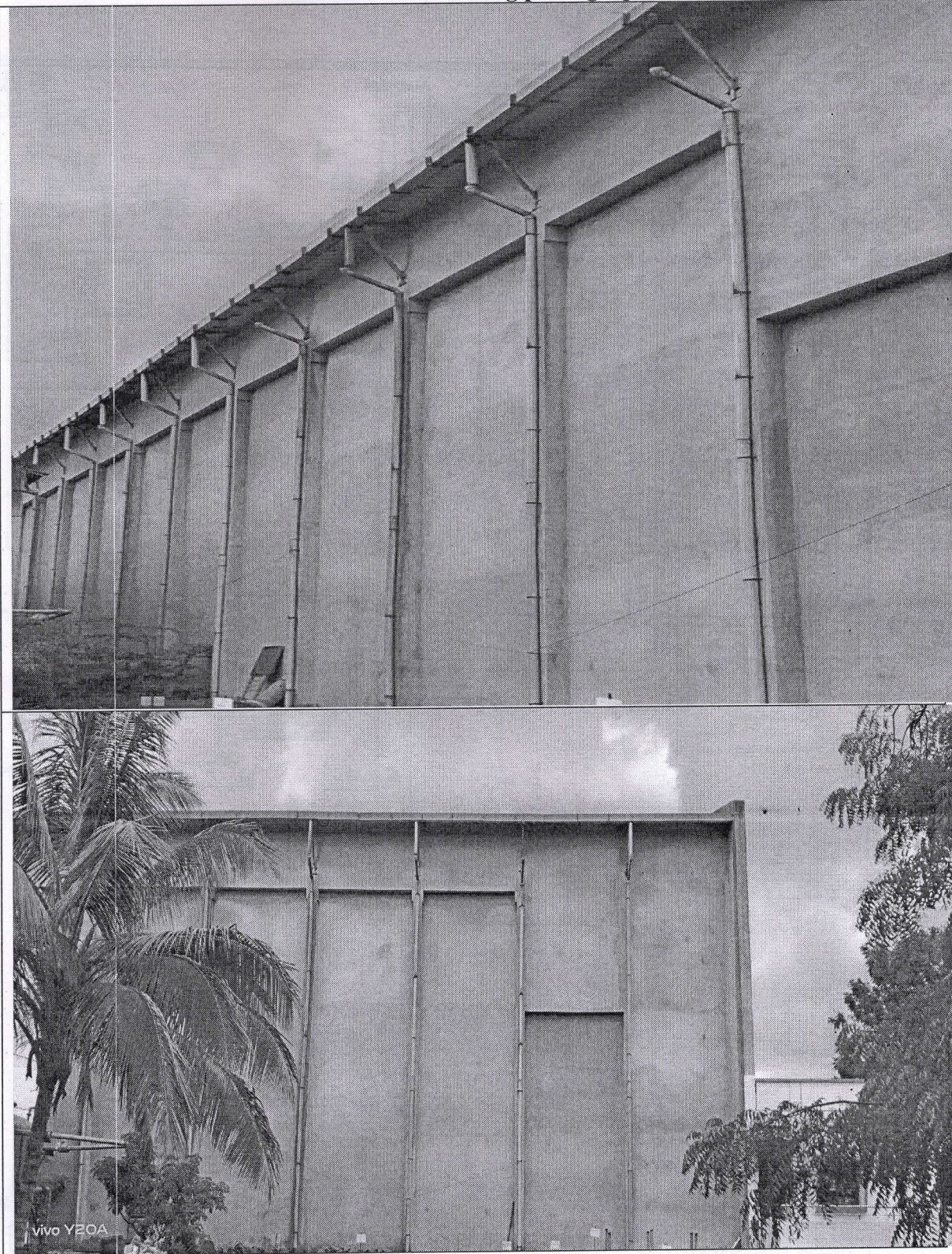
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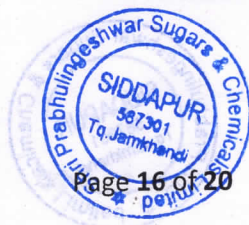
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**Annexure 5.**  
**Rain water harvesting photographs**



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Annexure – 6.

Third Party Noise level monitored reports

NICHROME TESTING LABORATORY, Dharwad, Karnataka, an MoEF & CC, New Delhi, and an NABL-accredited laboratory carried out noise level analysis during the previous crushing season at mill house, boiling house and TG room. The month-wise noise analysis results are as follows;

a) Noise Level Reports (during daytime)

Stations	Mill House	Boiling House	Turbo Generator Room
Units	dBA	dBA	dBA
October 24	Industry was not in operation (Off season)		
November 24	71.20	72.70	72.40
December 24	72.40	73.50	73.30
January 25	71.00	72.20	73.90
February 25	70.80	73.80	72.60
March 25	72.00	70.90	71.00
Standards	75.00	75.00	75.00





Annexure-7  
High Mask LED light photographs



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Annexure-8

PRABHULINGESHWAR SUGARS

- CER with budget and timeframe

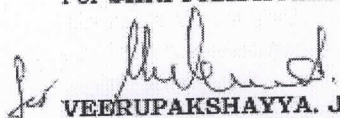
Budget for CER activity with time bound

Sl. No.	Activity	Fund allocated in Rupees Lakh	Period of execution in years from the commencement of project
1	Infra-structure development for Drinking water and sanitation	30	2022-25
2	Infra-structure development for Education	40	2022-26
3	Scientific support and awareness to local farmers to increase yield of crops and fodder.	10	2022-26
4	Avenue plantation in community areas	15	2022-24
Total		95	

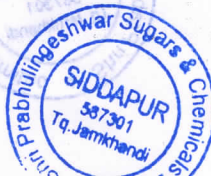
We request you to kindly consider the above submission and grant Environmental Clearance and oblige.

Yours faithfully

For **SHRI PRABHULINGESHWAR SUGARS AND CHEMICALS LTD**

*for*   
**VEERUPAKSHAYYA. J. GUDAGUNTI**  
**WHOLETIME DIRECTOR**

Siddapur village Tq. Jamkhandi, Dist. Bagalkot, Karnataka-587301  
CIN U35110KA1985PLC017861 | ISO 14001:2015 | 08353-238004 | [prabhsugar.tech@gmail.com](mailto:prabhsugar.tech@gmail.com) | [prabhsugar.com](http://prabhsugar.com)





**Annexure-9**

**Characteristics of the USB digester sludge microbial activity report**

NICHROME TESTING LABORATORY, Dharwad, Karnataka, an MoEF & CC, New Delhi, and an NABL-accredited laboratory carried out noise level analysis during the previous crushing season at mill house, boiling house and TG room. The month-wise noise analysis results are as follows;

Date of sample collected: 09/01/2025

Date of analysis completed: 14/01/2025

Parameters	Units	Result
Total coliforms	MPN / 100 ML	350
Escherichia coli	MPN / 100 ML	Absent
Anaerobic microbial count	CFU / ML	290
East & Moulds	CFU / NL	16
Pseudomonas aeruginasa	Present / Absent /100 ML	Absent
Salmonella	Present / Absent /100 ML	Absent
Staphylococcus aureas	Present / Absent /100 ML	Absent
Fecal streptococci	MPN / 100 ML	40
Fecal coliforms	MPN / 100 ML	14

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