

**Environmental Clearance Six Month Compliance Report
for Expansion of Molasses or Sugar syrup or Sugarcane
juice based Distillery unit from 80 KLPD to 200 KLPD.**

By

M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd, Shreenathnagar.



-:Submitted By:-

**M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd,
Shreenathnagar, Patethan, Post. Rahu, Tal. Daund, Dist.
Pune – 412207. Maharashtra.**



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Chief Executive Officer
SHREENATH MHASKOBA SAKHAR KARKHANA LTD
Shreenath Mhaskoba Sakhar Karkhana Ltd
Shreenathnagar patethan post Rahu Taluka Daund Pune
District,,Pune,Maharashtra-412207

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MH/IND2/279125/2022 dated 16 Jul 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A022MH142118 |
| 2. File No. | J-11011/189/2016-IA-II(I) |
| 3. Project Type | Expansion7 |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | Expansion of Molasses or Sugar syrup or Sugarcane juice based distillery from 80 KLPD to 200 KLPD |
| 7. Name of Company/Organization | SHREENATH MHASKOBA SAKHAR KARKHANA LTD |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 31/08/2022

(e-signed)
A N Singh
Scientist E
IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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PARIVESH

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and Virtuous Environment Single-Window Hub)



This has reference to your online proposal no.IA/MH/IND2/279125/2022, dated 16thJuly, 2022 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the the proposal seeking environmental clearance for expansion of distillery unit from 80 KLPD to 200 KLPD located at Village Shreenathnagar, Patethan, Post-Rahu, Tehsil Daund, District Pune, State Maharashtra by M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd.

3. As per EIA Notification 2006 (Schedule 5 (g) Category A); however, as per in the MoEFCC Notification S.O. 345(E), dated the 17th January, 2019, notification number S.O. 750(E), dated the 17th February, 2020, S.O. 980 (E) dated 02nd March, 2021 & S. No. 2339(E) 16th June, 2021, a special provision in the EIA Notification, 2006 "Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category 'B2' projects.

4. The details of products and capacity as under:

S. No.	Name of unit	Name of the product/by-product	Existing Product ion capacity	Additional product ion capacity	Total product ion capacity
1	Distillery (Molasses or Sugar syrup or Sugarcane juice)	Ethanol	80 KLPD	120 KLPD	200 KLPD
2	Fermentation unit	Carbon dioxide	62 TPD	94 TPD	156 TPD
3	Dryer (ATFD/spray dryer)	Conc. spent wash powder	NA	73.4 TPD	73.4 TPD

5. Ministry has issued Environmental Clearance to the existing Industry for a capacity of 55 KLPD vide File No. J-11011/189/2016-IA-II (I) dated 22.02.2019 and expansion under NIPL from 55 KLPD to 80 KLPD [PARIVESH portal application No.: IA/MH/IND2/81299/ 2017 (SW/1509/2021) Consent No. : Format 1.0/CAC/UAN No. MPCB-CONSENT-0000121173/CO / 2203001262 Date: 24.03.2022]. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Nagpur vide File no. EC-992/RON/2019-NGP/9303 dated 15.03.2022. Action Taken Report has been submitted to IRO, MOEFCC, Nagpur dated 04.03.2022 for partial compliances and non- compliances. EAC found the action taken report to be satisfactory.

6. Standard ToR and public Hearing is not applicable as the project falls under

category B2 as per Notification S.O. 2339(E), dated 16th June, 2021. It was informed that no litigation is pending against the project.

7. Total plant area after expansion will be 12.72 Ha. No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area 4.2 Hectares i.e. 33% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained. The estimated project cost is Rs. 149 Crores. Capital cost of EMP would be Rs. 45.22 Crores and recurring cost for EMP would be Rs. 2.43 Crores per annum. Industry proposes to allocate Rs. 2.43 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 66 persons as direct & indirect.

8. PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forests Near village Patethan is located at a distance of 2.5 km in North-West direction. River Bhima is flowing at a distance of 2.3 Km in North-west direction and River Mula-Mutha is flowing at a distance of 8.0 Km in South-East direction.

9. AAQ modelling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.2 $\mu\text{g}/\text{m}^3$ and 0.258 $\mu\text{g}/\text{m}^3$ with respect to PM and SO_2 . The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total fresh water requirement after expansion will be 828 m^3/day , which will be met from River Bhima. NOC has been obtained by irrigation department vide letter no. PID/admin-1/NI/8583 dated 22.12.2014. Existing effluent generation is 451 m^3/day from distillery which is treated through Condensate Polishing Unit of capacity in 500 m^3/day . Total effluent generation will be 1576 m^3/day from distillery including existing and proposed expansion, which will be treated through upgraded Condensate Polishing Unit of capacity in 1600 m^3/day . In molasses based operation, spent wash generated from the analyser column during distillation will be treated in bio-methanation unit and concentrated in Multi Effect Evaporator and concentrated spent wash will be converted into powder form by spray dryer (ATFD) technology, which will be sold to farmers or fertilizer manufacturer in packed form. Domestic waste water will be treated through sewage treatment plant. The plant will be based on Zero Liquid discharge system and treated effluent will not be discharged outside the factory premises.

11. Total power requirement of distillery after expansion will be 3.5 MW which will be sourced from existing 4 MW co-generation power plant in sugar mill. Existing sugar mill has 32 TPH bagasse fired boiler, which will be upgraded to 40 TPH capacity. ESP with a stack of height of 65 m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm^3 and same will be used after expansion. Industry has 750 KVA DG set installed in sugar unit which will be used as standby arrangement during power failure and stack height (5m above the roof top of nearby tallest building) will be provided as per CPCB norms to the proposed DG sets.

12. Details of process emissions generation and its management:

- ESP with a stack of height of 65 m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ same will be continued after expansion.
- Online Continuous Emission Monitoring System is installed with the stack and data is transmitted to CPCB/SPCB servers.
- CO₂(156TPD)generatedduringthefermentationprocessisbeing/willbe collectedbyutilizingCO₂scrubbersandsoldtoauthorizedvendors/collectedininstall edbottling plant.
- Biogas (36400 m³/day) will be generated during treatment of spent wash in bio-methanation unit being converted into CBG (Compressed-biogas), existing CBG plant will be upgraded for proposed expansion.

13. Details of Solid waste/Hazardous waste generation and its management:

- Concentrated spent wash (124.4 m³/day) is being/will be converted to powder by ATFD or spray dryer to be used as manure.
- Boiler ash (7.86 TPD) is being/will be given to farmers to be used as manure.
- CPU and fermenter sludge (0.3 TPD) is being/will be used as manure.

14. As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self- certification in the form of notarized affidavit declaring that the proposed expansion capacity of 120 KLPD will be used for manufacturing fuel ethanol only.

15. EAC also discussed the following issues during its meeting held during 27th - 28th July, 2022:

- Action taken report shall be complied within 3 months.
- Bio-composting shall be phased out within 2 years as committed by PP.
- Fresh water consumption shall not exceed 4 KL/KL of ethanol production.
- PP is operating wet scrubber as air pollution control device for boiler. The Committee noted that the same is highly in efficient method to control particulate emission from the boiler. Therefore, it was advised to upgrade air pollution control device by replacing the existing wet scrubber with ESP to achieve 50 mg/Nm³ particulate emissions.
- Install STP and no septic tank to be used for treatment of domestic waste water.
- 10% power requirement shall be sourced from renewable energy. PP has committed the same.
- Surface water permission has expired. PP shall submit renewal application for surface water withdrawal.

- CER budget shall be clearly specified along with villages and activities to be included. Main activities to be school upgradation and installation of solar power appliances.
- Coal shall not be used as fuel.

The committee was satisfied with the response provided by PP on above information.

16. The proposal was considered by the EAC (Meeting ID: IA/IND2/13295/27/07/2022) and meeting was held on 27th -28th July, 2022 in the Ministry, wherein the project proponent and their environmental consultant namely M/s. Vasantada Sugar Institute, Pune, presented the case under B2 category. The Committee **recommended** the project for grant of environmental clearance.

17. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

18. The Committee noted that the EMP report is in compliance of the PFR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of environmental clearance.

19. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

20. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project namely expansion of existing distillery unit from 80 KLPD to 200 KLPD located at Village Shreenathnagar, Patethan, Post-Rahu, Tehsil Daund, District Pune, State

Maharashtra by M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-

A. Specific Condition:

- (i). As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed expansion of 120 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.
- (ii). Action taken report as submitted to IRO, MOEFCC for partial/non-compliances shall be complied within three (03) months as committed by PP.
- (iii). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (iv). The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat sewage generated from factory premises.
- (v). EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.
- (vi). Total Fresh water requirement shall not exceed 4.0 KL/KL of ethanol production which will be met from River Bhima. No ground water abstraction is permitted. No ground water recharge shall be permitted within the premises. Industry shall construct a storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (vii). The spent wash shall be concentrated and subject to ATFD to form powder. Bio-composting shall be phased out within 2 years as committed. PP while enhancing the boiler capacity from 32 TPH to 40 TPH shall upgrade air pollution control device by replacing the existing wet scrubber with ESP (99.9 % efficiency) to achieve 50 mg/Nm³ particulate emissions. Boiler ash is being/will be given to farmers to be used as manure. PP shall use biomass like

rice husk/bagasse as fuel for the proposed boiler. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas. Coal shall not be used as permitted fuel.

- (viii). CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
- (ix). PP shall allocate at least Rs. 50 Lakhs/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (x). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (xi). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained.
- (xii). Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
- (xiii). 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.
- (xiv). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area with tree density@ 2500 trees per hectares, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt shall be developed before commissioning of the plant.
- (xv). PP proposed to allocate Rs. 2.43 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like up-gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, Drinking Water Facilities, solar light/solar power support for uninterrupted power supply etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.

- (xvi). 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. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc. Village road shall be maintained and proper safety shall be ensured by installation of proper road safety measures.
- (xvii). Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
- (xviii). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. 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.
- (xix). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Managing Director/CEO as per company hierarchy.
- (xx). PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

B. General Condition:

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the

adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.
- (vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (viii) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the

clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

- (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

21. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

22. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

23. Any appeal against this environmental clearance 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.

24. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

25. This issues with the approval of the competent authority.

(A. N. Singh)
Scientist-'E'

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat

- Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
 4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
 5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
 6. The District Collector, Pune District, Maharashtra
 7. Guard File/Monitoring File/Parivesh portal/Record File

(A. N. Singh)
Scientist-'E'

E-mail: aditya.narayan@nic.in
Tel. No. 11-24642176

Signature Not Verified
Digitally signed by A N Singh
Scientist E
Date: 8/31/2022 8:09:52 PM



Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post - Rahu, Tal.- Daund, Dist.- Pune 412207 EPABX : 9923002924 / 8551858899

SMSKL/DIST/ 3741 /2022-23

Date: 07.03.2023

To,
The Principal Conservator of Forests (C)
Regional Office {WCZ} Ground Floor,
East Wing, New Secretariat Building Civil Lines,
Nagpur – 440001

Subject:- Submission of Compliance Report (for conditions received as per Environmental Clearance) "Proposed expansion of Molasses or Sugar syrup or Sugarcane juice based Distillery unit from 80 KLPD to 200 KLPD at Patethan, Post: Rahu, Tahsil: Daund, District: Pune, Maharashtra by "M/s Shreenath Mhaskoba Sakhar Karkhana Ltd."

Reference:

- (i) File no. J-11011/189/2016-IA-II (I) dated August 31st, 2022.
- (ii) Proposal no.IA/MH/IND2/279125/2022 , dated 16th July, 2022.

Dear Sir,

With reference to the subject above, find enclosed herewith the half yearly compliance report in hard and soft copies for period of **July 2022 to December 2022**. The compliance has been done as per conditions stipulated in the EC.

Requesting you to accept the reports and issue certificate of compliance of the environmental clearance conditions for the project at the earliest.

Kindly accept the same.

Thanking you,
Yours Sincerely,


D. M. Raskar
Chief Executive Officer

Enclosed:

- (a) Environmental Clearance Compliance Report (Hard Copy & Soft Copy)

CC to:

- (i) Ministry of Environment Forest & Climate Change, New Delhi.
- (ii) Maharashtra Pollution Control Board, Head Quarters, Sion, Mumbai.

**Environmental Clearance Six Month Compliance Report
For**

**Expansion of Molasses or Sugar Syrup or Sugarcane
juice based from 80 KLPD to 200 KLPD Distillery Unit**

By

M/s SHREENATH MHASKOBA SAKHAR KARKHANA LTD.

Shreenathnagar, Patethan, Tal: Daund, Dist: Pune, Maharashtra

Address: Meghdoot Bulding 2nd Floor, S.No. 12/2, Behind Bharat Petrol Pump, Old Lokhandi Pull Lane,Opp. Akashwani Center, Hadapsar, Pune – 411028, Maharashtra .

Site address: Shreenathnagar, Patethan, Post-Rahu,Tal: Daund, Dist: Pune, Maharashtra.

Contact Person: Mr. D.M. Raskar (Chief Executive Officer)

Email: smskl@rediffmail.com / shreenathmskltd@indiatimes.com

Environmental Clearance details: Issued on August 31st, 2022 by Ministry of Environment, Forest and Climate Change, Government of India.

Compliance Report of EC:

Shreenath Mhaskoba Sakhar Karkhana Ltd,Shreenathnagar,Patethan,Tal-Daund,Dist-Pune

F .NO . J -11011/189/2016–IA–II(I) Dated.31st August 2022.

Sr. No	Compliance condition	Status of compliance																		
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8. Location of Project	Maharashtra																			
9. TOR Date	N/A																			

2	The Ministry of Environment, Forest and Climate Change has examined the the proposal seeking environmental clearance for expansion of distillery unit from 80 KLPD to 200 KLPD located at Village Shreenathnagar, Patethan, Post-Rahu, Tehsil Daund, District Pune, State Maharashtra by M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd.						Noted
3	As per EIA Notification 2006 (Schedule 5 (g) Category A); however, as per in the MoEFCC Notification S.O. 345(E), dated the 17 th January, 2019, notification number S.O. 750(E), dated the 17 th February, 2020, S.O. 980 (E) dated 02 nd March, 2021 & S. No. 2339(E) 16 th June, 2021, a special provision in the EIA Notification, 2006 “Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category ‘B2’ projects.						Noted Please refer Affidavit is attached in Annexure-XXV .
4	The details of products and capacity as under :						
Sr No.	Name of Unit	Name of Product	Existing Production Capacity	Additional Production Capacity	Total Production Capacity		
1	Distillery (Molasses or Sugar Syrup or Sugarcane juice)	Ethanol	80 KLPD	120 KLPD	200 KLPD	80 KLPD	
2	Fermentation Unit	Carbon Di-oxide	62 TPD	94 TPD	156 TPD	62 TPD	
3	Dryer (ATFD/Spray Dryer)	Conc. Spentwash Powder	NA	73.4 TPD	73.4 TPD	NA	

Sr. No.	Compliance condition	Status of compliance
5	Ministry has issued Environmental Clearance to the existing Industry for a capacity of 55 KLPD vide File No. J-11011/189/2016-IA-II(I), dated 22.02.2019 and expansion under NIPL from 55 KLPD to 80 KLPD [PARIVESH portal application No.: IA/MH/IND2/81299/ 2017 (SW/1509/2021) Consent No. : Format 1.0/CAC/UAN No. MPCB-CONSENT-0000121173/CO / 2203001262 Date: 24.03.2022]. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Nagpur vide File no. EC-992/RON/2019- NGP/9303 dated 15.03.2022. Action Taken Report has been submitted to IRO, MOEFCC, Nagpur dated 04.03.2022 for partial compliances and non- compliances. EAC found the action taken report to be satisfactory.	Noted
6	Standard ToR and public Hearing is not applicable as the project falls under category B2 as per Notification S.O. 2339(E), dated 16 th June, 2021. It was informed that no litigation is pending against the project	Noted
7	Total plant area after expansion will be 12.72 Ha. No additional land will be acquired for the expansion project as the same will be done within existing plant premises. Out of the total plant area 4.2 Hectares i.e. 33% of the total plant area has already been developed as greenbelt & plantation and the same will be maintained. The estimated project cost is Rs. 149 Crores. Capital cost of EMP would be Rs. 45.22 Crores and recurring cost for EMP would be Rs. 2.43 Crores per annum. Industry proposes to allocate Rs. 2.43 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 66 persons as direct & indirect	Complied, <ul style="list-style-type: none"> • Please refer Plant Layout attached in Annexure-I. • Please refer Land use break-up of total plot area (Distillery) in Annexure-I. • Please refer Capital & Recurring expenses for EMP is attached in Annexure-XXIX.
8	PP reported that there are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserve forests Near village Patethan is located at a distance of 2.5 km in North-West direction. River Bhima is flowing at a distance of 2.3 Km in North-west direction and River Mula-Mutha is flowing at a distance of 8.0 Km in South-East direction.	There are no national parks, No wildlife sanctuaries, No biosphere Reserves, No Tiger/ Elephant Reserves, No Wildlife Corridors etc. within 10 Km from the project site. Bhima River Flows at a distance of 2.2 Km and River Mula-Mutha is flowing at distance of 8.0 Km in South-East direction.
9	AAQ modeling study for point source emission indicates that the maximum incremental GLCs after the proposed project would be 0.2 µg/m ³ and 0.258 µg/m ³ with respect to PM and SO ₂ . The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).	Ambient air quality monitoring is being carried out at three locations within project site, the ambient air quality levels found to be within limits. Ambient Air Quality Monitoring Reports is enclosed in Annexure-XV .

Sr. No.	Compliance condition	Status of compliance
10	<p>Total fresh water requirement after expansion will be 828 m³/day, which will be met from River Bhima. NOC has been obtained by irrigation department vide letter no. PID/admin-1/NI/8583 dated 22.12.2014. Existing effluent generation is 451 m³/day from distillery which is treated through Condensate Polishing Unit of capacity in 500 m³/day. Total effluent generation will be 1576 m³/day from distillery including existing and proposed expansion, which will be treated through upgraded Condensate Polishing Unit of capacity in 1600 m³/day. In molasses based operation, spent wash generated from the analyser column during distillation will be treated in bio-methanation unit and concentrated in Multi Effect Evaporator and concentrated spent wash will be converted into powder form by spray dryer (ATFD) technology, which will be sold to farmers or fertilizer manufacturer in packed form. Domestic waste water will be treated through sewage treatment plant. The plant will be based on Zero Liquid discharge system and treated effluent will not be discharged outside the factory premises.</p>	<p>Complied,</p> <ul style="list-style-type: none"> • Please refer Water Budget is attached in Annexure-XXVIII. • Water withdrwl permission from Bhima river has been obtained from the State Water Resource Department. Annexure-II. • Distillry unit operates on the principle of ZLD. In the process, Spentwash is being treated in Biomethanation plant and concentrated in Multi Effect Evaporator and concentrated spentwash is converted in powder form by Spray Dryer (ATFD). • MEE condensate, spentlees & utilities effluent is recycled for process after treatment in CPU unit. Refer Annexure-III. • No effluent is being discharged outside the factory premises.
11	<p>Total power requirement of distillery after expansion will be 3.5 MW which will be sourced from existing 4 MW co-generation power plant in sugar mill. Existing sugar mill has 32 TPH bagasse fired boiler, which will be upgraded to 40 TPH capacity. ESP with a stack of height of 65 m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ and same will be used after expansion. Industry has 750 KVA DG set installed in sugar unit which will be used as standby arrangement during power failure and stack height (5m above the roof top of nearby tallest building) will be provided as per CPCB norms to the proposed DG Sets.</p>	<p>Complied</p> <ul style="list-style-type: none"> • Existing boilers 32 TP is upgraded to 40 TPH capacity. • 65 m stack height is provided to 40 TPH bagasse based boiler along with provision of Electrostatic precipitator (ESP). Refer Annexure-VI. • DG set is installed with adequate stack height as per CPCB guidelines. DG Sets (02 Nos-750 KVA). Refer Annexure-IX.
12	<p>Details of process emissions generation and its management:</p> <ul style="list-style-type: none"> • ESP with a stack of height of 65 m is installed with the existing boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm³ same will be continued after expansion. • Online Continuous Emission Monitoring System is installed with the stack and data is transmitted to CPCB/SPCB servers. • CO₂(156TPD) generated during the fermentation processes being/will be collected by utilizing CO₂ scrubbers and sold to authorized vendors/collected in installed bottling plant. • Biogas (36400 m³/day) will be generated during treatment of spent wash in bio-methanation unit being converted into CBG (Compressed-biogas), existing CBG Plant will be upgraded for proposed expansion. 	<p>Complied</p> <ul style="list-style-type: none"> • 65 m stack height is provided to 40 TPH bagasse based boiler along with ESP. Stack emissions monitoring reports are attached as Annexure-VI. • Online Continuous Emission Monitoring System are installed and connected to the SPCB & CPCB server. Refer Annexure XIV. • CO₂ Plant details, Lay-out & Plant Photographs attached in Annexure XXVI. • Biogas is being converted into CBG (Compressed Biogas-10 TPD capacity). CBG Plant photos is attached in Annexure-XXVI.

Sr. No.	Compliance condition	Status of compliance
13	<p>Details of Solid waste/Hazardous waste generation and its management:</p> <ul style="list-style-type: none"> Concentrated spent wash (124.4 m³/day) is being/will be converted to powder by ATFD or spray dryer to be used as manure. Boiler ash (7.86 TPD) is being/will be given to farmers to be used as manure. CPU and fermenter sludge (0.3 TPD) is being/will be used as manure. 	<p>Concentrated Spentwash 125 m³/day is converted into Dry Powder form and dried powder is sold as Potash rich fertilizer.</p> <p>Boiler ash used as soil conditioner.</p> <p>CPU & Fermenter sludge used as soil conditioner.</p>
14	<p>As per Notification S.O 2339(E), dated 16th June, 2021, PP has submitted self- certification in the form of notarized affidavit declaring that the proposed expansion capacity of 120 KLPD will be used for manufacturing fuel ethanol only.</p>	<p>Agreed and comply with. Please refer Affidavit is attached in Annexure-XXV.</p>
15	<p>EAC also discussed the following issues during its meeting held during 27th -28th July, 2022:</p> <ul style="list-style-type: none"> Action taken report shall be complied within 3 months. Bio-composting shall be phased out within 2 years as committed by PP. Fresh water consumption shall not exceed 4 KL/KL of ethanol production. PP is operating wet scrubber as air pollution control device for boiler. The Committee noted that the same is highly in efficient method to control particulate emission from the boiler. Therefore, it was advised to upgrade air pollution control device by replacing the existing wet scrubber with ESP to achieve 50 mg/Nm³ particulate emissions. Install STP and no septic tank to be used for treatment of domestic wastewater. 10% power requirement shall be sourced from renewable energy. PP has committed the same. Surface water permission has expired. PP shall submit renewal application for surface water withdrawal. CER budget shall be clearly specified along with villages and activities to be included. Main activities to be school upgradation and installation of solar power appliances. Coal shall not be used as fuel. <p>The committee was satisfied with the response provided by PP on above information.</p>	<p>Agreed and comply with.</p> <p>Complied Noted</p> <p>Water Budget Please refer Annexure-XXVIII.</p> <p>Being complied</p> <p>Being complied STP work is going on.</p> <p>Being complied</p> <p>Water withdrawal Renewal application No.0322, dtd.17th Jan 2023. Please refer Annexure-II.</p> <p>CER Budget Please refer Annexure-VIII.</p> <p>Noted</p>

Sr. No	Compliance condition	Status of compliance
16	The proposal was considered by the EAC (Meeting ID: IA/IND2/13295/27/07/2022) and meeting was held on 27 th -28 th July, 2022 in the Ministry, wherein the project proponent and their environmental consultant namely M/s. Vasantada Sugar Institute, Pune, presented the case under B2 category. The Committee recommended the project for grant of environmental clearance.	Noted
17	The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data /information submitted is found to be false /misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.	Noted
18	The Committee noted that the EMP report is in compliance of the PFR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance	Agreed
19	The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.	Noted
20	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project namely expansion of existing distillery unit from 80 KLPD to 200 KLPD located at Village Shreenathnagar, Patethan, Post-Rahu, Tehsil Daund, District Pune, State Maharashtra by M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under:-	Noted

Sr. No	Compliance condition	Status of compliance
A	Specific Conditions:	
(i)	As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the proposed expansion of 120 KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.	Noted
(ii)	Action taken report as submitted to IRO, MOEFCC for partial/non-compliances shall be complied within three (03) months as committed by PP.	Noted
(iii)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Agreed and comply with. <ul style="list-style-type: none"> • ETP has been provided. • Green belt has been developed. • Environmental monitoring is being carried out.
(iv)	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat sewage generated from factory premises.	As per MoEF&CC guidelines Zero Discharge is mandated for Distillery Project. Refer Annexure-III . Concentrated Spentwash 125 m ³ /day is converted into Dry Powder form and dried powder is sold as Potash rich fertilizer. MEE condensate, spentlees & utilities effluent is recycled for process after treatment in CPU unit. No effluent is being discharged outside the factory premises.
(v)	EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.	Noted
(vi)	Total Fresh water requirement shall not exceed 4.0 KL/KL of ethanol production which will be met from River Bhima. No ground water abstraction is permitted. No ground water recharge shall be permitted within the premises. Industry shall construct a storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.	Being complied, Approval for withdrawal of 0.16 MCM water from the Bhima river has been obtained from the State Water Resource Department vide their letter dated 1 st October, 2014. Annexure-II . No groundwater used. Copy of CGWA is attached – Annexure II .
(vii)	CO ₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.	CO ₂ generated in process is converted into liquid CO ₂ or Dry ice and sell. CO ₂ Plant Lay-out & Plant Photographs attached in Annexure XXVI .

Sr. No	Compliance condition	Status of compliance
(viii)	The spent wash shall be concentrated and subject to ATFD to form powder. Bio-composting shall be phased out within 2 years as committed. PP while enhancing the boiler capacity from 32 TPH to 40 TPH shall upgrade air pollution control device by replacing the existing wet scrubber with ESP (99.9% efficiency) to achieve 50 mg/Nm ³ particulate emissions. Boiler ash is being/will be given to farmers to be used as manure. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas. Coal shall not be used as permitted fuel.	Noted Strictly followed as per guidelines.
(ix)	PP shall allocate at least Rs. 50 Lakhs/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	This is conducted by competent person for health checkup, diagnosis, medical aid, further inspections especially due to their occupation and exposure. Medical checkup reports of Employees attached in Annexure-XI .
(x)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	All employees are provided with safety Training skills on time to time. Photos attached in Annexure-XVIII .
(xi)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms. PESO certificate shall be obtained.	Fire Fighting system & different type of fire extinguisher like water, foam, and DCP are installed in factory premises including alcohol storage and production area. Enclosed in Annexure-X .
(xii)	Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Noted
(xiii)	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.	Noted
(xiv)	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt shall be developed before commissioning of the plant.	Greenbelt developed in more than 33% of the total project area & selection of Plant species as per the CPCB guidelines. Plant layout for Green belt is attached in Annexure VII . Details information of Greenbelt is attached in Annexure VII .

Sr. No	Compliance condition	Status of compliance
(xv)	PP proposed to allocate Rs. 2.43 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like up- gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, Drinking Water Facilities, solar light/solar power support for uninterrupted power supply etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.	Agreed and comply with CER and its expenditure details attached in Annexure VIII .
(xvi)	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. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc. Village road shall be maintained and proper safety shall be ensured by installation of proper road safety measures.	Adequate Parking facility has been provided as required. We have provided parking facility for loading & unloading of materials in the factory premises and have implement good traffic management system for their incoming & outgoing vehicles to avoid congestion on the public road. Parking Facility Photos is attached in Annexure XII .
(xvii)	Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.	Noted Strictly followed as per guidelines. <ul style="list-style-type: none"> • Dust collection system & fuel handling systems are provided • Raw materials is stored in closed and covered storage yard. • Dust suppression system including water sprinkling system is provided. • Interlocking system is being installed.
(xviii)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. 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.	Continuous online monitoring system for flow measurement and relevant pollutants in the treatment system are installed and connected to the SPCB & CPCB server. attached photos in Annexure-XIV .
(xix)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Managing Director/CEO as per company hierarchy.	Environment Management Cell is established and it is headed by qualified & experienced officers. Refer Annexure-XX .

(xx)	PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12 th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Complied, Pl refer Annexure-XXI .
B.	General Condition :	
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted. Whenever we will propose expansion, we will take prior environmental clearance from concern authority / MoEF&CC, Delhi. We undertake that no further extra production in the plant shall be carried out without prior approval of MoEF&CC, New Delhi.
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Noted Being complied.
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise controlling measures as per EMP are taken including tree barriers. Noise level monitoring reports are submitted regularly to MPCB & Regional Office, Nagpur. All values are within prescribed Standards. Noise Monitoring Reports is attached in Annexure-XVI .
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted Being complied.
(v)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Noted. Separate funds are allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. Please refer Budgetary Allocation for EMP . For Operation phase- Total Capital Cost – 45.22 Crores Recurring Cost – 2.43 Crores.

Sr. No	Compliance condition	Status of compliance
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Environmental Clearance copy is sent to Zilla Parishad, Gram Panchayat etc.
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	We are submitting Six Monthly Report on the status of compliance of the stipulated EC conditions including results of monitoring data to Regional Office, MoEF&CC, Nagpur and the respective Zonal office of CPCB & SPCB.
(viii)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Complied, Environmental Statement report (Form V) for the financial year (2021-22) was submitted on 31 st March 2022 to the Maharashtra Pollution Control Board as prescribed under Environment (Protection) Rules, 1986. Environmental Statement are enclosed in Annexure-XXII .
(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied EC Letter environment clearance on website.pdf Published Advertisement : Advertisement on website.pdf Newspaper Advertisement is attached in Annexure XXIII .
(x)	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted
(xi)	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted

Sr. No	Compliance condition	Status of compliance
21.	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
22.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
23.	Any appeal against this environmental clearance 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
24.	The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Noted
25.	This issues with the approval of the competent authority.	Noted

Compliance report of EC
Shreenath Mhaskoba SKL. Pathethan

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
REGIONAL OFFICE (WESTERN CENTRAL ZONE), NAGPUR.**

MONITORING REPORT**PART-I****DATA SHEET****Date- 16/3/2023**

No.	Point	Description
01	Project Type: River-Valley/Mining/Industry/Thermal/Nuclear/ other (Specify)	Industrial Project (Sugar, Cogen and Distillery)
02	Name of the Project	Expansion of Molasses or Sugar syrup or Sugarcane juice based Distillery unit from 80 KLPD to 200 KLPD by M/s Shreenath Mhaskoba Sakhar Karkhana Ltd at Shreenathnagar, village Patethan, P.O. Rahu, Taluka Daund, District Pune-412207, (Maharashtra).
03	Clearance letter (s)/OM No. and date	Clearance Letter No.J-11011/189/2016-IA-II(I), dated.31 st August,2022.
04	Location a) District (s) b) State (s) c) Latitude d) Longitude	M/s.Shreenath Mhaskoba Sakhar Karkhana Ltd. Pune Maharashtra 18°36'20.38"N 74°13'39.60"E
05	Address for correspondence a) Address of Concerned project chief Engineer (with pin code & telephone/Telex/ Fax numbers) b) Address of Executive project chief Engineer/Manager (with pin code / fax numbers)	Mr.D.M.Raskar (Chief Executive Officer) M/s Shreenath Mhaskoba Sakhar Karkhana Ltd., Meghdoot building, 2nd floor, behind Bharat Petrol Pump, Lokhandi pool lane, opposite Akashwani Centre, Hadapsar, Pune - 411028, Maharashtra, India smskl@rediffmail.com . Mr. R S Shewale (General Manager-Dist & By-Prod) M/s Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar, Patethan, Post. Rahu, Tal. Daund, District Pune 412207 dm@shreenathsugar.com
06	Salient Features a) of the Project b) of the Environment management plans	Sugar Plant –(6000 TCD) Distillery Plant-(From 80 to 200 KLPD) Cogeneration Plant (13 MW). <ul style="list-style-type: none"> • Emission Control Engineering • Water & Waste water management • Green Belt • Environmental Monitoring

No.	Point	Description
07	Break up of the project area a) Submergence area: Forest & non-forest b) Others	Non forest. <ul style="list-style-type: none"> • Distillery : 12.72 Hectares • Green Belt : 4.2 Hectares
08	Break up of the project affected population with enumeration of those losing Houses/Dwelling units only, agricultural land only, both dwelling units & agricultural land & landless Laborers /Artisan a) SC, ST/Adivasi b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carries out give details and year of survey)	Not applicable, Land is already in possession
09	Financial Details: a) Project cost as originally planned and subsequent revised estimates and the year of price reference Estimated Cost of the Project b) Allocation made for environmental management plans with item wise and year wise break-up. c) Benefit cost ratio/Internal rate of environmental Return and the year of assessment. d) Whether (c) includes the cost of environmental management as shown in the above e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the e) environment management plans so far.	Total Project Cost: Rs. 72.73 Crores (Distillery unit-200 KLPD). Environmental Management Plan EMP Budget : Total Capital cost- Rs.45.22 Crs. Recurring cost –Rs. 2.43 Crs.

No.	Point	Description
10	<p>Forest Land Requirement:</p> <p>a) The status of approval for diversion of forest land for non – forestry use</p> <p>b) The status of clearing felling</p> <p>c) The status of compensatory afforestation, if any</p> <p>d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.</p>	<p>Not Applicable because Total land covered under non forest area.</p> <p>Not Applicable</p> <p>Not Applicable</p> <p>Not Applicable</p>
11	<p>The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information required.</p>	<p>Not Applicable because proposed expansion was done within the existing plant premises.</p>
12	<p>Status of Construction</p> <p>a) Date of commencement (Actual and/or planned)</p> <p>b) Date of completion (Actual and/or planned)</p>	<p>Construction work is not completed</p> <p>Distillery : Oct-2023</p>
13	<p>Reasons for the delay if the Project is yet to start.</p>	<p>Project has been developed/constructed as per the time schedule.</p>
14	<p>Dates of site visits</p> <p>a) The dates on which the project was monitored by the Regional office on previous occasions, if any:</p> <p>b) Date of site visit for this monitoring report:</p>	<p>Not Applicable</p>
15	<p>Details of correspondence with Project authority for obtaining Action plan/information on status of compliance to safeguards other than routine letters for logistic support for site visits.</p> <p>(The first monitoring reports may contain the details of all the letters so far, but the letter reports may cover only the letters issued subsequently.</p>	<p>Not Applicable</p>

LIST OF ANNEXURES

Sr.No	Particular	Annexure No.
1	Plant Layout & Details	I
2	Water Drawl Permission & CGWA NOC.	II
3	ZLD Schemes.	III
4	Risk Assessment Report	IV
5	Consent to Operate Copy	V
6	Stack Monitoring Report.	VI
7	Green Belt Layout, Green Belt Images.	VII
8	CER Details.	VIII
9	DG Set Monitoring Report & Images.	IX
10	Fire Fighting System.	X
11	Employees Medical Checkup Details & Images.	XI
12	Parking Facility.	XII
13	Storages of Raw Material Images.	XIII
14	Online Monitoring System Details.	XIV
15	Air Ambient Monitoring Report.	XV
16	Noise Monitoring Report.	XVI
17	Rain Water Harvesting System Details.	XVII
18	Safety Training of Employees.	XVIII
19	CSR activities & Expenditure for CSR Details.	XIX
20	Environmental Management Cell Details.	XX
21	Plastic Banner photos (ban of single use Plastic).	XXI
22	Existing unit Environmental Statement Report.	XXII
23	News Paper Advertisement (Advertisement in local Newspaper).	XXIII
24	Ground Water quality Monitoring Report (Compost yard & Lagoon).	XXIV
25	Affidavit	XXV
26	CO2 Plant Details	XXVI
27	PESO Certificate (Petroleum & Explosive Safety Organization).	XXVII
28	Water Budget	XXVIII
29	EMP Details	XXIX
30	Environmental data Display Board Details.	XXX

**Shreenath Mhaskoba Sakhar Karkhana Ltd.,
Shreenathnagar, Patethan, Post-Rahu. Tal-Daund, Dist-Pune 412207.**

DISTILLERY MANUFACTURING PROCESS

Process Description

In general, distillery operations are carried out in two stages a) fermentation and b) distillation. The raw material for proposed expansion, C or B-heavy molasses or sugar juice/syrup will be used as a main raw material (feed stock).

a).Fermentation

During the fermentation, yeast strains of the species *Saccharomyces cerevisiae*, convert sugars such as sucrose or glucose present in the molasses in to alcohol. The continuous fermentation has many advantages like continuity of operation, higher efficiency and ease of operation. Continuous fermentation also results in consistent performance over a long period as compared to batch fermentation. Hence, continuous fermentation process will be adopted in the proposed unit. The yield of alcohol is ~270 liters/ ton of C type molasses and 300 to 330 liters for B-heavy type molasses and 60-70 liters/ton of sugarcane (juice or syrup).

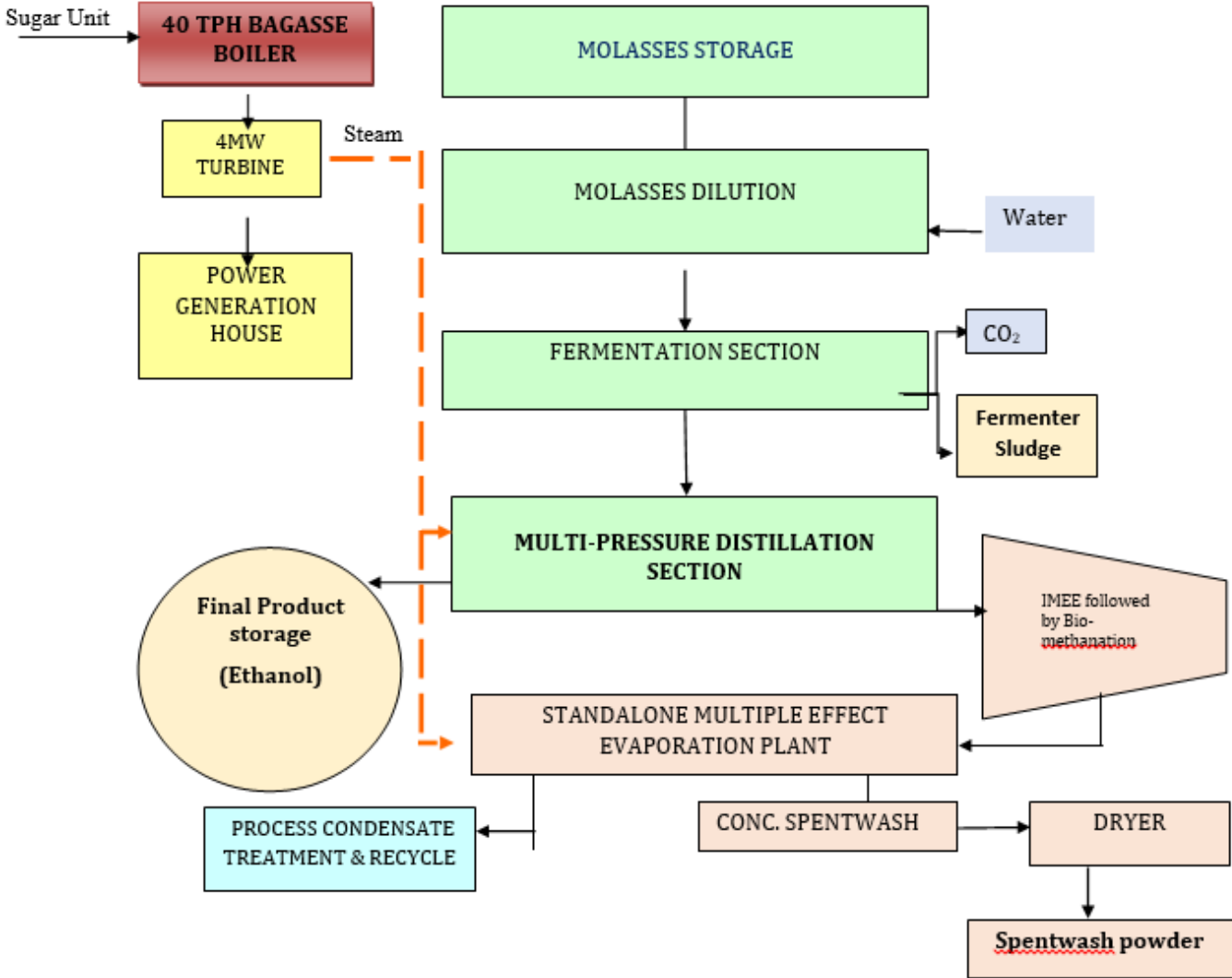
b).Distillation

After fermentation, the next stage in the manufacturing process is to separate alcohol from fermented wash and to concentrate it up to 95%. This called Rectified Spirit (RS). For this purpose, method of multi-pressure distillation will be adopted. After separation of alcohol, the remaining part is the effluent of the process i.e. spent wash and spent lees.

Anhydrous Alcohol (AA)/ Ethanol

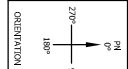
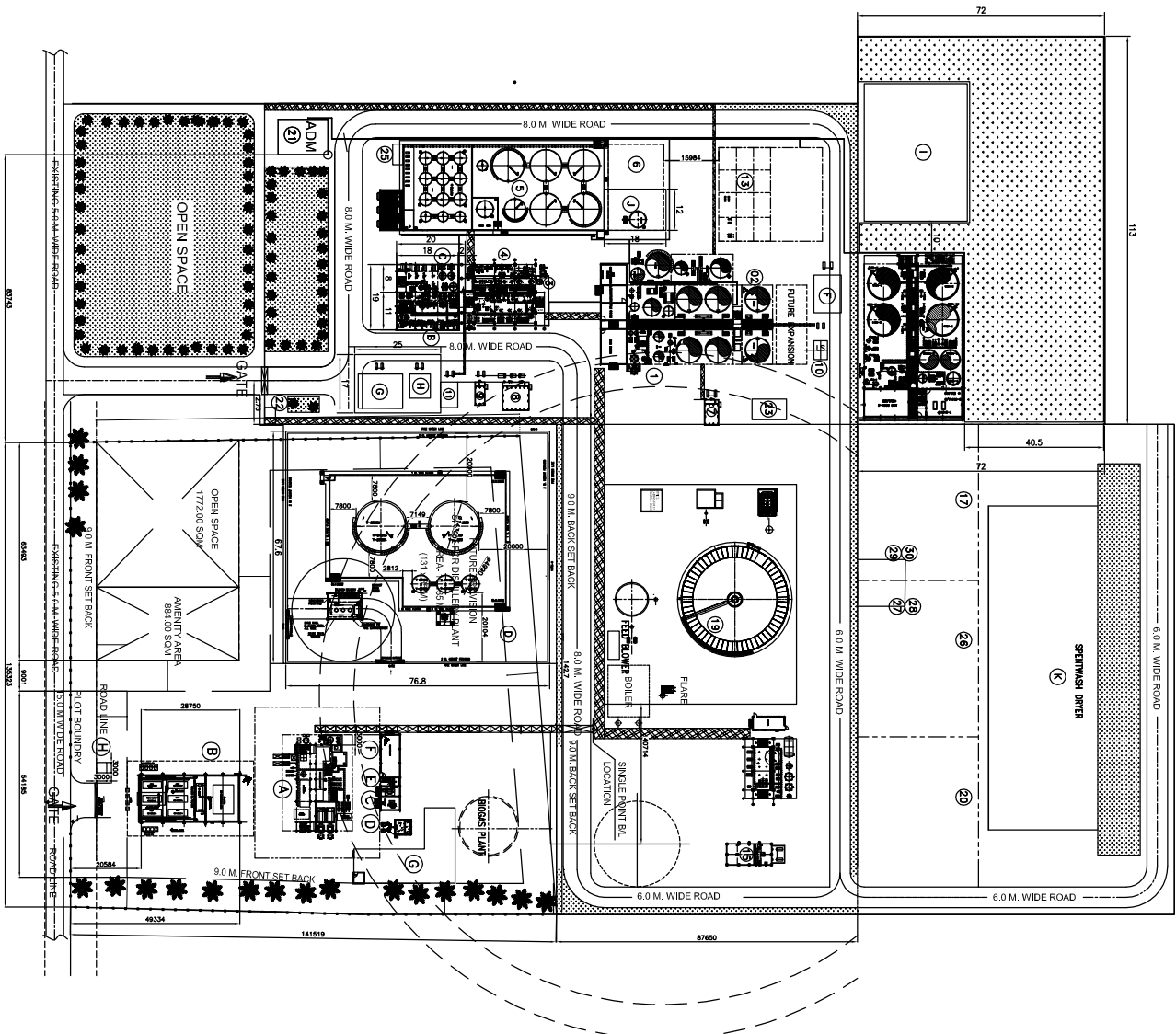
Anhydrous alcohol is an important product required by industry. As per IS specification it is nearly 100% pure or water free alcohol. The various processes used for dehydration of alcohol .The Distillery unit will adapt MSDH (Molecular Sieve dehydration) Technology for Ethanol.

Schematic of Distillery Manufacturing Process



Schematic of Distillery Manufacturing Process

Annexure-I



Sr.No.	DESCRIPTION	AREA (MT X MT)	REMARK
1	FERMENTATION SECTION	41.00 x 32.00	
2	FERMENTATION SECTION (NEW)	23.00 x 9.00	
3	DISTILLATION + MASH SECTION	23.00 x 13.00	
4	DISTILLATION (NEW)	21.00 x 4.00	
5	ALCOHOL STORAGE SECTION	59.50 x 25.00	
6	ALCOHOL STORAGE SECTION (FUTURE)	25.00 x 16.00	
7	COOLING TOWER FOR FERMENTATION	08.00 x 08.00	
8	COOLING TOWER FOR DISTI.	07.00 x 04.00	
9	COOLING TOWER FOR MASH (NEW)	05.50 x 04.00	
10	COOLING TOWER FOR DISTI. (NEW)	07.50 x 05.00	
11	COOLING TOWER FOR MASH (FUTURE)	07.00 x 03.00	
12	COOLING TOWER FOR MASH (FUTURE)	07.00 x 03.00	
13	WATER TREATMENT PLANT	30.00 x 27.00	CLIENT SCOPE
14	EVAPORATION SECTION	17.50 x 15.00	
15	INDIANIC COOLING SYSTEM (EVAPORATION SECTION)	13.00 x 06.00	
16	SPENT WASH COLLECTION PIT (I & II)	25.00 x 12.00	
17	SPENT WASH LABOON	46.50 x 45.25	CLIENT SCOPE (S WMS)
18	DELETED	45.00 x 56.00	
19	BRICKS SECTION	63.00 x 56.00	
20	EVAPORATION CONCENTRATED STRUP LABOON	46.50 x 51.25	CLIENT SCOPE(S) WMS
21	ADMIN BUILDING	10.30 x 14.50	
22	SECURITY GAIN	05.00 x 03.20	
23	CO2 PLANT	10.00 x 06.00	CLIENT SCOPE
24	BULK MOLASSES TANK (FUTURE)	92.00 MT.	
25	SPACE FOR CHEMICAL STORAGE (ALCOHOL STORAGE (MW))	03.00 x 06.00	
26	BIOMETHANATION SPENT WASH COLLECTION PIT	48.50 x 36.00	CLIENT SCOPE(S) WMS
27	FRINGING POT	40.50 MT.	P-1529A/B
28	LABOON TRANSFER PUMP	40.50 MT.	P-1511A/B
29	FRINGING POT	40.50 MT.	T-4203
30	LABOON TRANSFER PUMP	40.50 MT.	P-4201A/B
31	PROCESS WATER TRANSFER PUMP	40.50 MT.	P-3002A/B
32	SOFT WATER TRANSFER PUMP	40.50 MT.	P-3003A/B
33	DM WATER TRANSFER PUMP	40.50 MT.	P-3004A/B

LEGEND (NEW)

Sr.No.	DESCRIPTION	AREA (MT X MT)	REMARK
A	FERMENTATION SECTION	47.50 x 28.50	
B	DISTILLATION + MASH SECTION	18.00 x 11.00	
C	EVAPORATION SECTION	18.00 x 8.00	
D	ALCOHOL STORAGE SECTION (FRESH)	76.00 x 72.00	
E	TA STORAGE SECTION	20.00 x 11.00	
F	COOLING TOWER FOR FERMENTATION	11.00 x 8.00	
G	COOLING TOWER FOR DISTILLATION-EVAPORATION	13.00 x 10.00	
H	COOLING TOWER FOR MASH	07.00 x 06.00	
I	PCWP	40.00 x 30.00	
J	MS FEED TANK	40.00 x 40.00	
K	SPERMWASH DRIVER	40.00 x 40.00	
L	BRICKS PLANT (NEW)	40.00 x 50.00	

Sr.No.	PARTICULARS	AREA (SQUARE METERS)
1	GREENFIELD AREA	1.00
2	PROCESS PLANT	2.2
3	ROAD AREA	0.50
4	OPEN SPACE	0.50
	TOTAL AREA	5.5

NOTE:- 1) ALL DIMENSIONS ARE IN MM OTHERWISE SPECIFY.

- INDICATE GREENARY
- INDICATE CLIENT'S SCOPE
- INDICATE FUTURE
- SPACE FOR BID COMPOSING OF CONC. STRUP IS NOT CONSIDERED IN PRESENT PLOT PLAN.
- SPACE FOR BRICKS BOILER IS NOT CONSIDERED IN PRESENT PLOT PLAN.
- INDICATE PIPE RACK

Sr.No.	DESCRIPTION	DATE
44		46
45		47
46		48
47		49
48		50
49		51
50		52
51		53
52		54
53		55
54		56
55		57
56		58
57		59
58		60
59		61
60		62

CLIENT : M/S. SURENATH HANSGOBA SAKHAR KARBHAWA LTD.
 PLANT : 2 120 KLPD AA STRUP BASED
 LOCATION : 3 SHREEMATH NAGAR, PATHEKIM, POST--RAJULVALIYA--DAUNDIST--PUNE
 THIS DWG. IS THE PROPERTY OF P&I INDUSTRIES LTD. AND SHOULD NOT BE REPRODUCED WITHOUT WRITTEN CONSENT FROM P&I INDUSTRIES LTD.
 720, MIDC INDUSTRIAL ROAD, HILSROAD, PUNE-411 007, (INDIA)

TITLE : 120 KLPD AA STRUP BASED PLOT PLAN

DWG. NO. 9 - 10 - 11

SHEET 14 OF 16

SCALE: 1:5

DATE: 13/08/2023

DO NOT SCALE THE DRAWING

SCALE: 1:5

DATE: 13/08/2023

REV. NO. 1

DATE: 13/08/2023

REV. NO. 2

DATE: 13/08/2023

Project Layout :

Project layout showing components of Existing and Proposed Distillery with Greenbelt Area given in following table.

Land use breakup of Total Plot Area:

#	Particulars	Existing (Ha.)	Proposed (Ha.)
1.	Processing units	4.00	2.2
2.	Internal road	0.47	0.53
3.	Parking area	0.35	1.00
4.	Greenbelt area	2.40	1.80
Total		7.22	5.5



सिंचनातु राष्ट्रीयद्वारः



Annexure II

महाराष्ट्र शासन
जलसंपदा विभाग

चासकमान पाटबंधारे विभाग, पुणे-१.

नवीन प्रशासकीय इमारत, ४था मजला, विधान भवन समोर, पुणे-४११००१

दूरध्वनी :- (०२०) २६१२३९०२ E-Mail - eecidpune@gmail.com

जा.क्र./चापावि/प्रशा-सि-१/ ४४३१/सन २०२०

दिनांक:-२९/१२/२०२०

प्रति,

✓
जनरल मॅनेजर,

श्रीनाथ म्हस्कोबा, साखर कारखाना लिमिटेड,

श्रीनाथनगर, पाटेठाण, पोस्ट राहु ता.दौंड, जि पुणे-४१५२०७

विषय:- श्रीनाथ म्हस्कोबा, साखर कारखाना लिमिटेड, पाटेठाण या संस्थेचा मंजूर जापनानुसार
करारनामा नुतनीकरण करणेबाबत.

संदर्भ:- १) शासन निर्णय क्र. संकीर्ण-२०१४/(२६४/१४)/सिंव्यधो दि.२/०९/२०१४

२) मुख्य अभियंता, (जसं), जलसंपदा विभाग, पुणे यांचे पत्र जापन जा.क्र.मुअ(जसं)/(काअ-२)/सिंचन/
प्रशा-८/५५२३/२०२० दि.२०/०९/२०२१४

३) कार्यकारी अभियंता पुणे पाटबंधारे विभाग पुणे यांचे इरादा पत्र जा. क्र. पुपावि / प्रशा-१/बिसिं/७०१०
दि.०१/१०/२०१४

४) उपविभागीय अधिकारी, भा.आ.सि.व्य.उपविभाग, करंजविहीरे यांचे पत्र जा.क्र./भाआसिंव्य/ उपवि/
बिसिंचन / १४५३ /सन २०२० दि.२२/१२/२०२०

उपरोक्त विषयांकित प्रकरणी, उपविभागाचे संदर्भिय पत्र क्र.४ अन्वये श्रीनाथ म्हस्कोबा, साखर कारखाना लिमिटेड, पाटेठाण या संस्थेचा करारनामा नुतनीकरणासाठी विभागीय कार्यालयास सादर केलेला आहे. शासन परिपत्रक क्र.बिपापु१००१/(७३१/२००१)/सिंव्य(धो) दि.०७/०४/२००३ मधील प्रारूप करारनामा मधील मुद्दा क्र.१८ नुसार करारामधील अटी व शर्तीचे उल्लंघन होऊ नये व संस्थेची योग्य कामगिरीकरिता सुरक्षा ठेव म्हणून आगाऊ दोन महिन्याची बि.सिं.पाणीपट्टी अनामत रक्कम शासनास जमा करणेत येते.

त्यानुषंगाने संस्थेने मुळ करारनामा (दि. २०/१२/२०१४ ते १९/१२/२०२०) करतेवेळी जलसंपदा विभागास आगाऊ दोन महिन्याची पाणीपट्टी रक्कम रु.१,२१,००० /- (रु.एक लक्ष एकविस हजार फक्त)जमा केलेली असून सद्यस्थितीत संस्थेची चालु दराने दोन महिन्याची बि.सिं.पाणीपट्टी रक्कम रु.१,४५,८३३ /- (रु.एक लक्ष पंचेचाळीस हजार आठशे तेहतीस फक्त) आहे. तथापि संस्थेने उर्वरित रक्कम रु.२४,८३३ /- (रु.चोविस हजार चारशे तेहतीस फक्त) विभागीय कार्यालयास (चेक क्र.३८७६७२ दि.०८/१०/२०२० बँक ऑफ बडोदा, हडपसर, पुणे-४११०२८) जमा करण्यात आलेली आहे.

सदर करारनाम्याची मुदत संपल्यामुळे दि.२०/१२/२०२० ते १९/१२/२०२६ या कालावधीसाठी ६ वर्षे मुदतीचा करारनामा करित आहे.

हे आपले माहितीस्तव व पुढील कार्यवाहीस्तव रवाना.

स्थळ प्रतीवर का.अ.यांची सही असे.

सोबत- करारनाम्याची छायांकित प्रत-१

(शिवाली परदेशी)

उप कार्यकारी अभियंता
चासकमान पाटबंधारे विभाग,
पुणे

प्रत:- उपविभागीय अधिकारी, भामा आसखेड सिंचन व्यवस्थापन उपविभाग, करंजविहीरे यांना माहितीसाठी.

करारनाम्याच्या छायांकित प्रती-२

प्रत:- शाखाधिकारी, कोंढापूरी पाटबंधारे शाखा क्र.१ (नवीन), शिक्रापूर यांना (मार्फत उपविभागीय अधिकारी, भामा आसखेड सिंचन व्यवस्थापन उपविभाग, करंजविहीरे) माहितीसाठी.

Water drawl permission

जा.क्र.मुपावि/प्रशा-१/वि.सि./ ८५८३, सन २०१४

पुणे पाटबंधारे विभाग

पुणे १

दिनांक :- २२/११/२०१४

प्रति

अध्यक,
श्रीमाध म्हरकोबा साखर कारखाना
पाटेढाम ता. वोंड, जि. पुणे.

विषय :- मजूर विमोचन पाणी आरक्षणाचा करारनामा साक्षात्कृत करणेबाबत

- संदर्भ :- १) प्रदेश कार्यालयाचे जापना क्र. मुअ/काअ-२/सिचन/प्रशा-८/ ५५२३
दिनांक २९.०९.२०१४
२) या कार्यालयाचे इरादा पत्र क्र.मुपावि/प्रशा-१/वि.सि./ ७०१०
दिनांक ०१.१०.२०१४
३) उप विभागीय कार्यालयाचे पत्र क्र. खडक-२/सिचन/ ३४२८
दिनांक.१८.१२.२०१४

संदर्भित पत्र क्र. १ अन्वये आपणांस नौ.पाटेढाम ता.वोंड, जि.पुणे येथील साखर कारखान्यासाठी मिना नदीवरील शिवतारगर म्हाडुंगी को. प. बंधा- यातून नदी/अलाहाप पिण्यासाठी ०.१०० दशलक्षी व औद्योगिक वापरसाठी ००६० दशलक्षी असे एकूण ०.१६० दशलक्षी दैनिक पाणी आरक्षण मजूर करण्यात आले असून संदर्भित पत्र क्र. २-अन्वये आपणांस इरादा पत्र देण्यात आले आहे. या मजूर पाणी आरक्षणाच्या अनुषंगाने आवश्यक असलेला करारनामा संदर्भित पत्र क्र. ३ अन्वये विभागास सादर केला आहे. सदरील करारनामा साक्षात्कृत करून एक प्रत आपणांस देण्यात येत आहे. तरी करारनाम्यातील सर्व अटींचे तत्पेक्षा पालन करण्यात यावे व हा करारनामा ६ वर्षे कालावधीसाठी अलाहपाने करारनाम्याची मुदत संपणेपूर्वी करारनाम्याचे नुतनीकरण करण्यात यावे. प्रत्यक्ष पाणी वापर चुरू विरगेपूर्वी इलेक्ट्रॉनिक मीटर कॅलीब्रेशन करून घेऊन बसवणे बंधनकारक असले. तसेच योजना कार्यान्विता करणेपूर्वी महासभे प्रवृत्तपण मंडळाकडून सांडपाण्यावरील प्रक्रिया यंत्रणेचा आराखडा मजूर केवळ घेऊन या कार्यालयास सादर करणे बंधनकारक असेल.

१९४४ ता. ३१/११/१४ याचा मान्य

संज्ञक : करारनामा-१

उप कार्यकारी अभियंता
पुणे पाटबंधारे विभाग, पुणे १.

प्रत :- मा.अधीक्षक अभियंता, पुणे पाटबंधारे मंडळ, पुणे यांना माहितीसाठी सविनय सादर.

प्रत :- उप विभागीय अधिकारी, खडकवासला कालवा उप विभाग क्र. २, पुणे यांना माहितीसाठी व अनुपालनास्तव

सौधत : करारनामा-१

प्रत :- शाखाधिकारी कोडापुरी पाटबंधारे शाखा यांना माहितीस्तव व अनुपालनास्तव

सौधत : करारनामा-१

प्रत :- करारनामा धारिका (मुख करारनामा)

SMSK	
Date	21/05
Time	23/12/14
Sign.	gus

<p>भारत सरकार जल शक्ति मंत्रालय जल संसाधन, नदी विकास एवं गंगा संरक्षण विभाग केन्द्रीय भूजल प्राधिकरण</p>	 सत्यमेव जयते	<p>Government of India Ministry of Jal Shakti Department of Water Resources, River Development & Ganga Rejuvenation Central Ground Water Authority</p>
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संख्या / No. 7/15/CGWB/CR/Authority- 17

दिनांक / Date: 03/01/20

To,
SHREENATH MHASKOBA SAKHAR KARKHANA LTD
Shreenath Nagar, Post – Patethan,
Taluka Daund,
District Pune – 412 207 (Maharashtra)

Sub: Exemption from obtaining CGWA NOC for groundwater abstraction for industrial use.

Sir,

Kindly refer to your letter dated 20.01.2018 and subsequent reply by email dt. 01-10-2019 and 31-12-2019 on the subject cited above. In this regard, the documents submitted have indicated that the desired quantity of water required for 2500 TCD Sugar with 10 MW Co-gen unit and 30KLD distillery unit is being met from Bhima River by Pune Irrigation Division, Solapur and from Recycled / Condensate Water for industrial and domestic purpose without any ground water withdrawal, which has been supported by the following documents submitted by you.

1. Agreement with Pune Irrigation Division, Pune-01 dated 20-12-2014 indicating water supply to the tune 0.16 MCM/year will be provided from Bhima River. The agreement is valid from 20-12-2014 to 19-12-2020.
2. Two Consent to Operate's issued by MPCB, Mumbai:
 - i. **2500 TCD Sugar and 10 MW Cogen Unit** vide consent no. Format 1.0/BO/CAC-CELL/UAN No.0000074581/CO/CAC- 1910000495 dated 10-10-2019, which is valid till 31-07-2020.
 - ii. **30 KLD Distillery Unit** vide consent no. Format CAC-CELL/UAN No.0000051721/R/CAC-1901001236 dated 18-01-2019 and MPCB CTO Renewal Application no. MPCB-CONSENT-0000076214 dated 04-07-2019 and CAC approval in the 15th meeting of 2019-20 held on 31.10.2019
3. Treated / Recycle water usage of 240 m³/day from sugar unit.
4. Undertaking regarding non withdrawal of ground water dt. 14-05-2019.

Therefore, **in absence of ground water withdrawal for any purpose by your industry, it does not require the permission (NOC) of Central Ground Water Authority.** However, if in future, any groundwater withdrawal is proposed for any purpose, prior permission of CGWA should be obtained.

Yours faithfully,

P.K. Jain
31.1.2020
(Dr. P.K. Jain)

Regional Director

Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post-Rahu, Tal-Daund, Dist-Pune 412207.

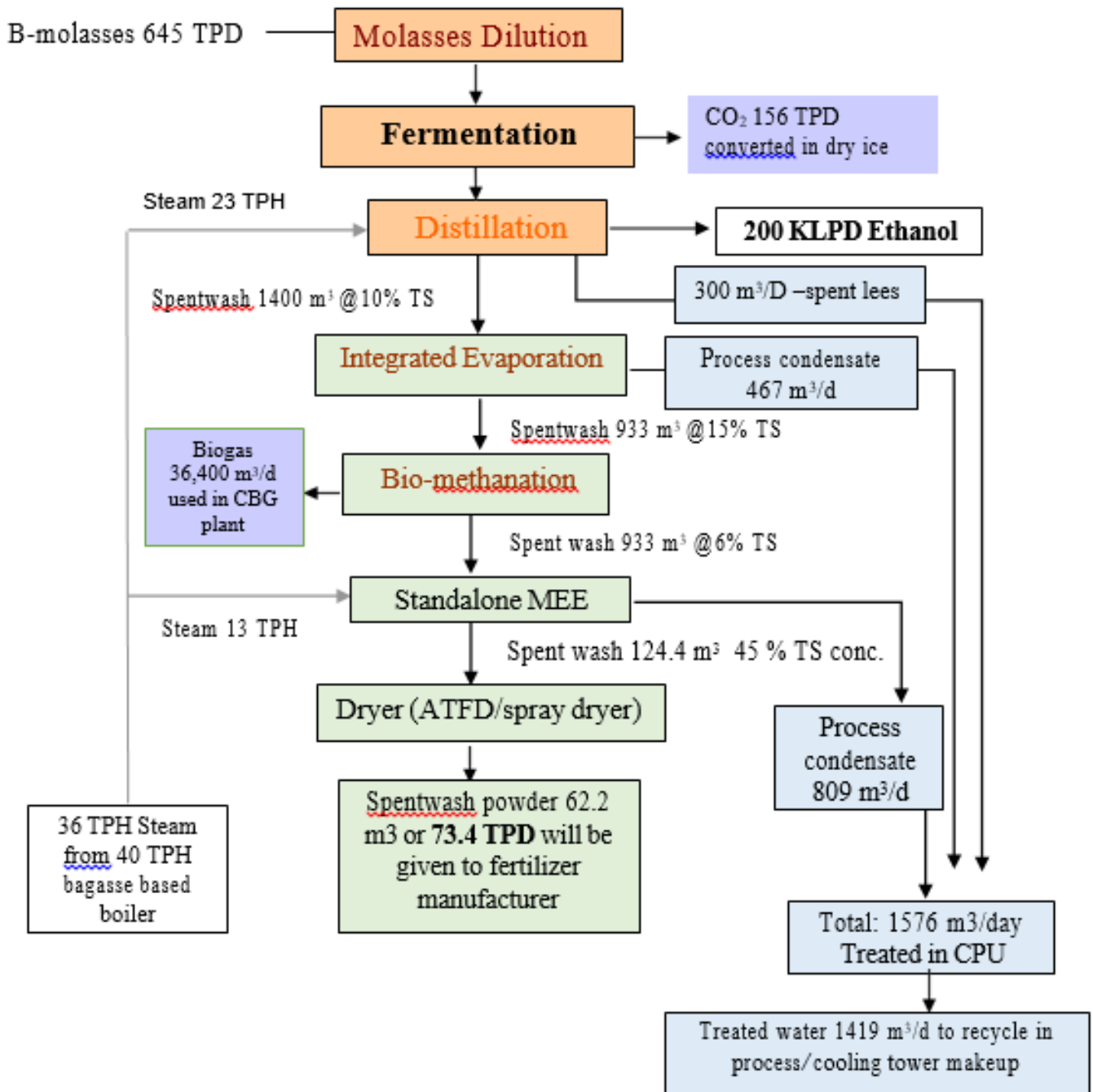
Distillery Effluent Treatment Scheme :

Estimated quantity of spentwash generation during the process is about 1400 m³/day while using molasses-B as feedstock and 700 m³/day while using sugar syrup as feedstock respectively. In case of B-heavy molasses and Sugarcane juice used as raw the solid contents in generated spentwash will be 9-10% and 5-6 % respectively. This spentwash will be sent to biomethanation to generate biogas and reduce pollution load of effluent. Biogas generated from biomethanation unit will be converted into Compressed Bio-Gas (CBG). Biomethanated spentwash treated in Multi Effect Evaporator (MEE) . The concentrated spentwash will have a solid content of approx. 45%. Evaporator condensate will be recycled after treatment in CPU. Concentrated spentwash will be sent to Dryer (Agitated Thin Film Dryer (ATFD) or Spray Dryer) where it will be converted to powder form. This powder will be sold to farmers for use as Potash fertilizer. Thus, the “Zero Liquid Discharge” will be achieved. ZLD scheme is given in following schematic.

CO₂ bottling plant: Carbon dioxide generated from fermentation section will be scrubbed and separated. Separate CO₂ is converted into liquid CO₂ or dry ice and sold. This unit is already available in the existing unit. Same will be modified to fulfill requirement of proposed expansion.

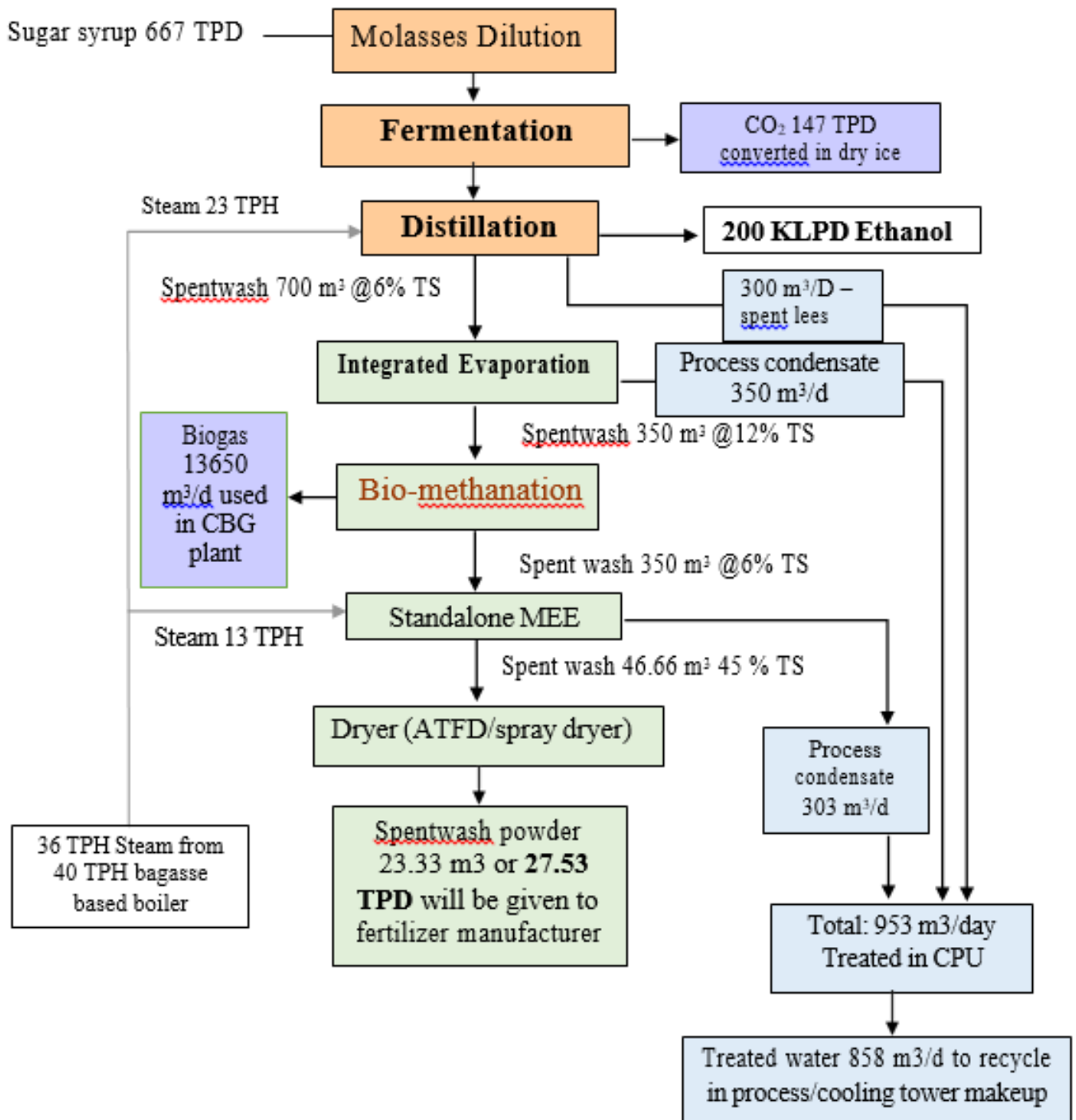
CBG/Bio-CNG Plant: Biogas generated from biomethanation will be converted into CBG, in process, biogas purified to remove hydrogen sulfide (H₂S), carbon dioxide (CO₂), water vapor and thereafter compressed as Compressed Bio Gas (CBG), which contains more than 90% methane (CH₄), a combustible gas and clean fuel.

Distillery Effluent Treatment Scheme (B - Molasses)



ZLD scheme for proposed 200 KLPD distillery unit (B-molasses as feedstock)

Distillery Effluent Treatment Scheme (Sugar Syrup)



ZLD scheme for proposed 200 KLPD distillery unit (sugar syrup as feedstock)

Annexure-IV

Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar
Patethan, post Rahu, Taluka-Daund, Dist-Pune 412207, Maharashtra.

Risk Assessment Report :

Assessment of Risk along with mitigation measures

Qualitative risk assessment based on categorization of both probability and impact provides greater insight into the absolute risk severity. The risk impact assessment investigates the potential effect on a project objective such as schedule, cost, quality, or performance, including both negative effects for threats and positive effects for opportunities. Mitigation measures or operational control procedures required for such hazards identified is given in **Table 3.8**

Table 3.8 Risk Assessment table along with mitigation measures

#	Activity	Associated hazards	Associated risk/ health impact	Risk rating	Mitigation Measures
1.	Storage & handling of raw material & chemicals	Bursting of storage tanks	Exposure, physical injuries	H	<ul style="list-style-type: none">• Use of PPEs.• Inspection & regular monitoring• Training to workers for proper handling• Proper system for loading operation to prevent any spillage.• Spill kit for Acid and other chemicals
2.	Working near Distillation column	Heat & Fire	Physical injuries and burning	H	<ul style="list-style-type: none">• Firefighting facility• Provision of pressure indicators in the vessels.• Use of PPEs.• Inspection & regular monitoring• Training to workers for proper handling
3.	Fuel yard	Heat & Fire	Physical injuries and burning	H	<ul style="list-style-type: none">• Storage should be away from ignition source• Firefighting facility shall be provided• PPEs should be provided• First aid box

4.	APCD failure	Release of PM in ambient air	Air pollution	M	<ul style="list-style-type: none"> Regular monitoring & inspection shall be done. The plant shall immediately shut down on APCD failure
5.	Working at height	Slip, trips & falls of operators	Physical injuries	H	<ul style="list-style-type: none"> Individual alertness of the workers. First aid boxes shall be provided
6.	Storage of Alcohol	Exposure, inhalation, ingestion &	Exposure to over 100 ppm may cause headache,	H	<ul style="list-style-type: none"> Well ventilation Keeping away from heat sparks & open flame.
		Fire	drowsiness, etc. Ingestion may lead to depression of CNS, nausea, etc. Burn injuries		<ul style="list-style-type: none"> PPEs. Firefighting measures shall be readily available.
7.	Release of high pressure steam from boiler	Explosion	Risk of severe injury, damage to equipment	H	<ul style="list-style-type: none"> Regular maintenance & inspection of parts. Proper training to the individuals PPEs First aid kit
8.	Electrical maintenance work	Electric shock, short circuits in power room	Electrical shocks, Injury or burn	H	<ul style="list-style-type: none"> Regular checking and maintenance of electrical units PPEs Provision of First aid box
9.	Working near Boiler, D.G. sets	High noise	Noise induced hearing losses	M	<ul style="list-style-type: none"> Provision of PPEs to the workers.

Note: H- High; M- Moderate

3.4.1 Threat Zone mapping of ethanol storage by ALOHA Simulation Analysis

SITE DATA:

- Location: PATETHAN, PUNE, INDIA
- Building Air Exchanges Per Hour: 0.43 (user specified)

CHEMICAL DATA:

- Chemical Name: ETHANOL
- CAS Number: 64-17-5; Molecular Weight: 46.07 g/mol

- ERPG-1: 1800 ppm ERPG-2: 3300 ppm ERPG-3: N/A
- IDLH: 3300 ppm LEL: 33000 ppm UEL: 190000 ppm
- Ambient Boiling Point: 76.6° C
- Vapor Pressure at Ambient Temperature: 0.13 atm
- Ambient Saturation Concentration: 138,233 ppm or 13.8%

ATMOSPHERIC DATA: (MANUAL INPUT OF DATA)

- Wind: 1.2 meters/second from NE at 3 meters
- Ground Roughness: urban or forest; Cloud Cover: 5 tenths
- Air Temperature: 34° C; Stability Class: BNo Inversion Height; Relative Humidity: 50%

A. Type of Failure 1: Leaking tank, chemical is not burning and forms an evaporating puddle

SOURCE STRENGTH:

- Leak from short pipe or valve in vertical cylindrical tank
- Flammable chemical escaping from tank (not burning)
- Tank Diameter: 12.5 meters; Tank Length: 18 meters
- Tank Volume: 2209 cubic meters
- Tank contains liquid; Internal Temperature: 34° C
- Chemical Mass in Tank: 1,374,538 kilograms
- Tank is 80 % full
- Circular Opening Diameter: 1.5 inches
- Opening is 0 meters from tank bottom
- Ground Type: Concrete
- Ground Temperature: equal to ambient
- Max Puddle Diameter: Unknown
- Release Duration: ALOHA limited the duration to 1 hour
- Max Average Sustained Release Rate: 108 kilograms/min (averaged over a minute or more)
- Total Amount Released: 3,947 kilograms

Note: The chemical escaped as a liquid and formed an evaporating puddle. The puddle spread to a diameter of 64 meters.

A1. Threat Modelled: Toxic Area of Vapour Cloud

THREAT ZONE:

- Model Run: Heavy Gas
- Red : No recommended LOC value --- (N/A = ERPG-3)
- Orange: 112 meters --- (3300 ppm = ERPG-2)
- Yellow: 161 meters --- (1800 ppm = ERPG-1)

A2. Threat Modelled: Flammable Area of Vapor Cloud

THREAT ZONE:

- Threat Modeled: Flammable Area of Vapor Cloud
- Model Run: Heavy Gas
- Red : less than 31 meters --- (19800 ppm = 60% LEL = Flame Pockets) Yellow: 112 meters --- (3300 ppm = 10% LEL)

Note: Threat zone was not drawn because effects of near-field patchiness make dispersion predictions less reliable for short distances.

B. Type of Failure 2: Leaking tank, chemical is burning and forms a pool fire

SOURCE STRENGTH:

- Leak from short pipe or valve in vertical cylindrical tank
- Flammable chemical is burning as it escapes from tank
- Max Puddle Diameter: Unknown
- Max Flame Length: 13 meters
- Burn Duration: ALOHA limited the duration to 1 hour
- Max Burn Rate: 276 kilograms/min
- Total Amount Burned: 15,945 kilograms

Note: The chemical escaped as a liquid and formed a burning puddle. The puddle spread to a diameter of 14.5 meters.

THREAT ZONE:

- Threat Modeled: Thermal radiation from pool fire
- Red : 15 meters --- (10.0 kW/(sq m) = potentially lethal within 60 sec)
- Orange: 22 meters --- (5.0 kW/(sq m) = 2nd degree burns within 60 sec)
- Yellow: 34 meters --- (2.0 kW/(sq m) = pain within 60 sec)

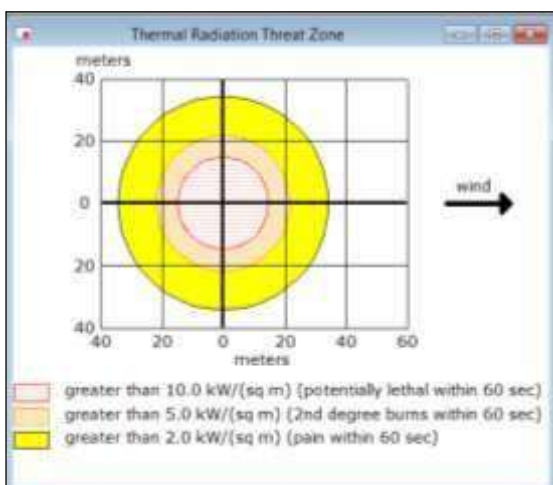


Figure 3.8: Thermal radiation threat zone mapping of SMSKL

Table 3.9: Summary of Threat Zone mapping

Type of Tank Failure	Threat Modelled	Damage Distance (Red)	Damage distance
ETHANOL			
Leaking tank, chemical is not burning and forms an evaporating puddle	Toxic area of vapour cloud	No recommended LOC value	N/A = ERPG-3
	Flammable Area of Vapour Cloud	Less than 31 meters	19800 ppm = 60% LEL = Flame Pockets
Leaking tank, chemical is burning and forms a pool fire	Thermal radiation from pool fire	15 meters	10.0 kW/(sq m) = potentially lethal within 60 sec

3.4.2 Occupational health and safety

The following are the details of the occupational health surveillance

- Occupational health surveillance (OSH) is being under taken as regular exercise for all the employees specially for those working at high risk areas, such as working at heights, near boiler, turbines, etc.
- All the first aid facilities are provided in occupational health center.
- The medical records of each employee are being maintained separately.
- Occupational health center for medical examination of employees with all the basic facilities have been established with in the plant.
- The noise level in critical area is being monitored regularly and the workers at high noise level generation areas will undergo audiometric tests once in six months.
- SMSKL has taken measures for mitigation of fire hazard very seriously. The management has provided Good firefighting system and fire extinguishers are provided at various points. In addition, ambulance (24 X 7) is also available in the plant, in case of any emergency.
- The management has also made budgetary provision of 150.00 lakhs rupees for firefighting equipments and occupational health and safety management of the proposed distillery unit.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
 Fax: 24023516
 Website: <http://mpcb.gov.in>
 Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
 4th floor, Opp. Cine Planet
 Cinema, Near Sion Circle,
 Sion (E), Mumbai-400022

RED/L.S.I (R60)
**No:- Format1.0/CAC/UAN No.MPCB-
 CONSENT-0000142925/CR/2211000894**

Date: 11/11/2022

To,
M/s Shreenath Mhaskoba Sakhar Karkhana Ltd
225-1/2,,Shreenathnagar Patethan, Daund, Pune.



Your Service is Our Duty

Sub: Renewal of Consent for 80 KLPD Distillery unit under product mix.

- Ref:**
1. Renewal of consent granted by the Board vide no. FFormat1.0/CAC/UAN No. MPCB- CONSENT-0000121173/CO- 2203001262, dated 24.03.2022.
 2. Environmental Clearance vide no. - F. No. J-11011/189/2016-IAII(I) DTD.22.02.2019.
 3. MoEFCC Notification dtd. 16.01.2020 & 02.03.2021.
 4. Minutes of CAC Meeting dtd. 29.09.2022.

Your application No.MPCB-CONSENT-0000142925 Dated 04.07.2022

For: Consent to Renewal under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/08/2025**
2. **The capital investment of the project is Rs.71.36 Crs. (As per C.A Certificate submitted by industry (Existing CI- Rs. 68.12 Crs))**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Extra Neutral Alcohol OR	1650	KL/M
2	Rectified Spirit OR	2400	KL/M
3	Ethanol	2400	KL/M
4	Fusel Oil	2.8	KL/M

PP shall comply with all the conditions in MoEFCC notification dated 16.01.2020 & 2.03.2021 & distillery capacity shall not exceed to 80 KLPD.

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	416	As per Schedule-I	MEE & Bio-composting to achieve ZLD.
2.	Domestic effluent	16	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	1	Boiler	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	yeast Sludge	5	Ton/D	Mixed for Bio Composting	used as Manure
2	Bio digester Sludge	50	Ton/Y	mixed with Bio compost	used as Manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
NA					

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
 9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
 10. This consent is issued pursuant to the decision of the Consent Appraisal Committee Meeting held on 29.09.2022
 11. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F. No. J-11011/189/2016-IAII(I) dtd. 22.02.2019 and ensure display/upload of six-monthly compliance monitoring report on your official website.
 12. Industry shall ensure uninterrupted connectivity of OCEMS to Board server directly through data logger.
 13. PP shall comply with all the conditions in MoEFCC notification dated 16.01.2020 & 2.03.2021
 14. PP shall submit total BG of Rs. 25 Lakh towards compliance of consent conditions and operation and maintains of pollution control system.
 15. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
- This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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Signed by: **Dr. Y.B.Sontakke**
Joint Director(WPC) & InCharge Of CAC-Cell
For and on behalf of,
Maharashtra Pollution Control Board
cac-cell@mpcb.gov.in
2022-11-14 14:43:00 IST



Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	345000.00	MPCB-DR-12981	06/07/2022	RTGS

Balance amount of Rs. 30000 will be considered at the time of next renewal of consent.

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

- A] As per your application, you have provided comprehensive treatment i.e Effluent treatment plant with the design capacity of 520 CMD including MEE for volume reduction and Bio-composting on 6 acer for achieving zero discharge. You have also provided CPU for MEE condensate & other effluent and treated water is recycled in process. In no any case spent wash shall discharge outside the factory premises/ on land / into stream directly or indirectly.
- B] Industry shall operate Online Continuous Emission Monitoring System (OCEMS) and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's server directly through the data logger without any intermediate server

2. Conditions for Sewage/ Domestic effluent:

- i. You shall provide sewage treatment plant for the treatment of 16 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH)
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. The sewage shall be treated by using septic tank and soak pit and overflow if any shall be used on-land for gardening/irrigation.

3. Conditions for Aerobic composting:

- i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.
- ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.
- iii. Composted material shall meet the following specifications—

Moisture	30 to 35%
C/N	Below 17
Nitrogen	1.5 to 2%
Phosphorous	1.5 to 2%
Potassium	3 to 4%

iv. The composting site shall be prepared as per the guideline enclosed. Composting shall be such that it includes mechanical mixing and spraying of spent wash along with mechanical aeration to ensure thorough composting. Hand/ manual spraying of spent wash shall not be permitted.

v. The compost leachate (1 gr. of compost mixed with 100 ml. of distilled water and filtered) Filtrate shall conform to the following limit.

pH	Between	Between
BOD 3 days 27 Deg. C	Not to exceed	30 mg/l

vi. A pucca leak proof guard pond of 30 days holding capacity as per (i) above shall cope up with the effluent discharge during short term process disturbances. In case of prolonged disturbance in effluent treatment and disposal system, distillery shall be shut down and shall not be restarted without rectifying the system.

vii. The composting site/pits shall be made leak proof by proper lining. A catch drain shall be provided around the composting site to collect the storage pond for application on compost depots. Arrangements for overturning of compost material in windrows and spraying of spent wash shall be made to ensure appropriate aeration and uniform distribution of spent wash.

viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.

ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.

x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.

4. The operation of distillery should be restricted to 270 days in a year and that it will not operate during rainy season.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	252.00
2.	Domestic purpose	20.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	435.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Boiler	NA	32	Biogas	700 Kg/Hr	--	--

2. 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.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry 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 MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	25 Lakh	15 Days/ Extend	towards O & M of pollution control systems and compliance of consent conditions.	31.08.2025	28.02.2026

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act 1948
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.

23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

RED/L.S.I (R60)
No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000149631/CE/2212001197

Date: 16/12/2022

To,
M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd.,
(Distillery Unit), 225-1/2, Shreenathnagar, Patethan,
Tal. Daund, Dist. Pune.



Your Service is Our Duty

Sub: Consent to Establish for Expansion of Distillery unit by 145 KLPD

- Ref:**
1. Renewal of consent granted by the Board vide no. Format1.0/CAC/UAN No.MPCB-CONSENT-0000142925/CR/2211000894 dtd. 11.11.2022. valid up to 31.08.2025.
 2. Environmental Clearance vide no. -EC Identification No. - EC22A022MH142118 dtd. 31/08/2022.
 3. Minutes of CAC Meeting dtd. 23.11.2022.

Your application No.MPCB-CONSENT-0000149631 Dated 01.10.2022

For: Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.72.7357 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 71.36 Crs.)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Extra Neutral Alcohol	55	KL/D
2	Rectified Spirit	145	KL/D
3	Ethanol	145	KL/D
4	Fusel Oil	233	Lit/Day
5	Compressed Bio Gas (CBG)	10	MT/Day
6	Carbon di-oxide (Dry ice)	156	MT/Day
7	Spentwash Powder (Conc.)	73.4	MT/Day

Expansion by 145 KLPD.

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	1160	As per Schedule-I	MEE & Dryer to achieve ZLD.
2.	Domestic effluent	8	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	NA	0	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Yeast Sludge (Dry)	60	Ton/Y	Used as soil Conditioner	Used as soil Conditioner
2	Bio Digester Sludge	50	Ton/Y	Used as soil Conditioner	Used as soil Conditioner
3	CPU Sludge	20	Ton/Y	Used as soil Conditioner	Used as soil Conditioner

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
	NA				

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. This consent is issued pursuant to the decision of the Consent Appraisal Committee Meeting held on 23.11.2022.
11. The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. EC Identification No. - EC22A022MH142118 dtd. 31/08/2022.
12. PP shall submit BG of Rs. 25 Lakh towards compliance of consent & EC conditions.
13. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)
- . This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.



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Signed by: **Dr. Y.B.Sontakke**
Joint Director(WPC) & InCharge Of CAC-Cell
For and on behalf of,
Maharashtra Pollution Control Board
cac-cell@mpcb.gov.in
2022-12-16 15:10:49 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	100000.00	MPCB-DR-14631	03/10/2022	NEFT

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

- A] As per your application, you have proposed to provide comprehensive treatment i.e Effluent treatment plant including MEE & dryer with CPU for achieving zero discharge. In no case spent wash shall discharge outside the factory premises/ on land / into stream directly or indirectly.
- B] Industry shall provide CPU for recycle/reuse of treated effluent.
- C] Zero Liquid discharge shall be ensured, and no wastewater/treated water shall be discharged outside the premises.
- D] Industry shall install Continuous Emission Monitoring System (OCEMS) before 1st Operate and shall transmit Online Continuous Emission Monitoring System (OCEMS) data to Board's Server directly from data logger without any intermediate server.

2. Conditions for Sewage/ Domestic effluent:

- i. You shall provide sewage treatment plant for the treatment of 8 CMD sewage generation due to expansion and provide including disinfection facility.
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

Sr.No	Parameter	Concentration not to exceed(in mg/l except for pH)
1.	pH	6.5-9.0
2.	BOD	30
3.	TSS	100

- iii. Treated sewage shall be used on land for gardening/ irrigation by achieving above prescribed standards.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1813.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1410.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
NA	0	0	0	0	0 --NA--	--	--

2. 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.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry 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 MPCB.
8. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
9. Industry shall provide Online Continuous Emission Monitoring System (OCEMS) i.e. flow meter and night vision camera to ensure the Zero Liquid Discharge (ZLD) of spent wash and OCEMS for Boiler stack for PM parameter.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	25 Lakh	15 days	Towards compliance of Consent & Environmental Clearance conditions.	COU	Up to 1st operate

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.

11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
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13. The PP shall provide personal protection equipment as per norms of Factory Act 1948
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15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
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18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
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22. The industry should not cause any nuisance in surrounding area.
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24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
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31. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
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33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.



Annexure-VI

TEST REPORT					
Report No:	EHSM/2022/Dec/R-1723	Issue Date	30/12/2022		
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.				
Sample Name	Source Emission	Sample Description	Stack Material : RCC		
Date of Sampling	24/12/2022		Stack Height : 65 M		
Start Date of Analysis	25/12/2022		Stack Type : Round		
End Date of Analysis	30/12/2022	Sampling Location	Boiler Stack		
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sampling duration	30 Min		
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring		
Results					
Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	454	K		--
2	Differential Pressure	4.5	mm WG		
3	Fuel Type	Bagasse	--		
4	Velocity	8.58	M/s		
5	Dimensions of Stack	3.3	Mtr.		
6	Stack Area	8.548	M ²		
7	Gas Volume	173388.22	Nm ³ /Hr		
8	Particulate Matter	82.6	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
9	SulphurDioxide(SO ₂)	18.3	mg/Nm ³	--	
10	SulphurDioxide(SO ₂)	76.15	Kg/day	Not Specified	
11	Oxide of Nitrogen (NO _x)	11.2	mg/Nm ³	Not Specified	
➤ Remark- All above results are well within MPCB Limit. BDL.: - Below Detection Limit					




Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2022/Nov/R-1239	Issue Date	30/11/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Source Emission	Sample Description	Stack Material : RCC
Date of Sampling	24/11/2022		Stack Height : 65 M
Start Date of Analysis	25/11/2022		Stack Type : Round
End Date of Analysis	30/11/2022	Sampling Location	Boiler Stack
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sampling duration	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	465	K		--
2	Differential Pressure	4.2	mm WG		
3	Fuel Type	Bagasse	--		
4	Velocity	8.39	M/s		
5	Dimensions of Stack	3.3	Mtr.		
6	Stack Area	8.548	M ²		
7	Gas Volume	165515.79	Nm ³ /Hr		
8	Particulate Matter	89.6	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
9	SulphurDioxide(SO ₂)	21.3	mg/Nm ³	--	
10	SulphurDioxide(SO ₂)	84.61	Kg/day	Not Specified	
11	Oxide of Nitrogen (NO _x)	24.6	mg/Nm ³	Not Specified	

➤ **Remark-** All above results are well within MPCB Limit.
BDL.: - Below Detection Limit




Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

SHREENATH MHASKOBA SAKHAR KARKHANA LTD, SHREENATHNAGAR,

Patethan, Post. Rahu, Tal. Daund, Dist. Pune-412207

EPABX NO. 9923002924 /8551858899

Email :- smskl@rediffmail.com, admin@shreenathsugar.com

www.shreenathsugar.com



EXISTING GREENBELT



Office Garden



Office Garden



Office Garden



Road Greenbelt



Road side Greenbelt



Distillery Garden



Distillery Garden



Distillery Garden



Road side Greenbelt



Road side Greenbelt



Dist. Plant Road side



Karkhana green belt



Dist. Plant Road side



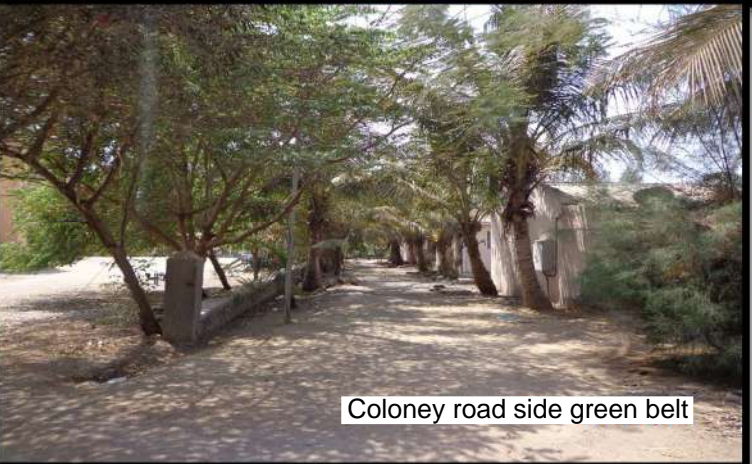
Green Belt



Green Belt



Green Belt



Coloney road side green belt



Road side green belt



Coloney Garden

श्रीनाथ म्हस्कोबा साखर कारखाना लि, श्रीनाथनगर, पाटेठाण, ता. दौंड, जि. पुणे

परिसर प्रकार व हंगामनुसार वृक्षलागवड रिपोर्ट

दि. २८/०२/२०२३

अ नं	परिसर	हंगाम १३-१४ पर्यंत केलेली झाडे	हंगाम १४-१५ लागण केलेली झाडे	हंगाम १५-१६ लागण केलेली झाडे	हंगाम १६-१७ लागण केलेली झाडे	हंगाम १७-१८ लागण केलेली झाडे	हंगाम १८-१९ लागण केलेली झाडे	हंगाम १९-२० लागण केलेली झाडे	हंगाम २०-२१ लागण केलेली झाडे	हंगाम २१-२२ लागण केलेली झाडे	हंगाम २२-२३ लागण केलेली झाडे	आजअखेर लावलेली झाडे	क्षेत्र(हे)	शेरा
१	डिस्टीलरी	०	०	१००२	८०	५७	३०	१०	१०३	०	१२५५	२५३७	६.०२	
२	टाकळी फाटा रोड ते कारखाना चौक	४७०	५९०	१२०	६८	२५	२१		१५८	६६		१५१८	०.२०	
३	मंदिर व कॉलनी परिसर	९८५	१५४०	५१४	४२	०		३०९		२५		३४१५	३.०६	
४	कारखाना चौक ते मेमाणवाडी	१९०	२३०	८९०	२८०	२८२		३७४	२४०	१२३		२६०९	४.००	
५	कारखाना पेट्रोल पंप व नर्सरी परिसर	३१५	५०	१२	८	७		९०	५	०		४८७	०.१०	
६	कंपोष्ट यार्ड	०	०	१०८५	२६५	४५०	४३०	८०३	२८४	५		३३२२	४.८०	
७	कारखाना आवार	८५५	३००	५८	२०	०	०	०	०	०		१२३३	७.७०	
८	कारखाना शेती	९००	११०	२१७	९०	३०	०	०	०	०		१३४७	५.३३	

९	कारखाना कॅन्टीन परिसर व हमाल कॉलनी	0	३६	८	७	0	0	0	२४	0	७५	१.२०		
१०	प्राज डिस्टीलरी परिसर (समोर)	0	0	२७२	२४	५०	६६	१०	१६४	३७	६२३	२.००		
११	गायराण परिसर (फौरैस्ट)	0	0	0	२०००	१८९२	११२७	५८६	१०१६	२१४०	८७६१	४.००		
१२	गायराण (पिंपळवन)	0	0	0	0	0	0	0	0	२१३	२१३			
१३	पाटेठाण रोड	0	0	0	0	0	0	५८४	५२	0	६३६			
१४	राख व कचरा यार्ड	0	0	0	0	0	0	0	७८	0	७८			
१५	कारखाना शेतकी ऑफिस समोर	0	0	0	0	0	0	0	३०	0	३०			
	एकूण	३७१५	२८५६	४१७८	२८८४	२७९३	१६७४	२७६६	२१५४	२६०९	१२५५	२६८८४	३८.४१	



Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post - Rahu, Tal.- Daund, Dist.- Pune 412207 EPABX : 9923002924 / 8551858899

SMSKL/DIST/ 1310 /2022-23

Date - 12/08/2022

To,
The Member Secretary
Expert Appraisal Committee, Industrial Projects (II)
Room No. V302, Vayu Wing, 3rd Floor
Ministry of Environmental, Forest and Climate Change
Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi - 110003.

Sub: Request to revised project and extended EMP (CER) cost_Proposal No.:
IA/MH/IND2/279125/2022, J11011/189/2016-IA- II(I)

Dear Sir,

We have applied for 'Expansion of Molasses or Sugar syrup or Sugarcane juice based distillery from 80 KLPD to 200 KLPD'. The Honorable EAC has considered the proposal in EAC meeting held on 28 July 2022 (Meeting ID: IA/IND2/13295/27/07/2022) and the MoM for the same meeting is published on PARIVESH portal, as per MoM Honorable EAC has recommended the proposal for accord EC.

As per our proposal application (form 2, Sr. No. 10) project cost was 149 Cr. and CER cost proposed 1.12 Cr. (Same is given in EMP and presentation), In MoM and annexure-II cost against extended EMP (CER) is given 2.43 Cr.


Now as per revised financial DPR prepared by Vasantdada Sugar Institute (VSI, Pune) the revised project cost will be 72.73 Cr. Therefore, on the basis of project cost, the CER cost will be 55 lakhs (0.75% on project cost).

Requesting you to consider revised project cost (72.73 Cr.) and CER cost (55 lakhs) during accord of final EC.

Thanking you

Yours Faithfully




D. M. Raskar
Chief Executive Officer



Annexure-VIII

Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post - Rahu, Tal.- Daund, Dist.- Pune 412207 EPABX : 9923002924 / 8551858899

Ref. SMSKL/Admin/ ³⁶⁷³ /2022-23

Dt.02/03/2023

CER Activity

Ref. SMSKL/Dist/1310/2022-23, Dt.12/08/2022

Sr. No.	CER Activity ahead	Budgetary Provision
1	School Up-gradation with provision facilities e.g. Class Rooms, Library, Computer Class, Laboratory, Toilets, Drinking water facility, Provision of solar panels to school etc.	40.00 Lakhs
2	Provision of Solar street light & Solar power appliances to surrounding villages.	15.00 Lakhs
	Total Budgetary allocation (0.75% of the capital Budget) Capital Budget = 72.73 Cr. and CER cost = 55 Lakhs	55.00 Lakhs

Note :- As per EC Condition (page No.7, Point no XV), the CER activity is under process. CER activity Shall be completed before plant commissioning. The action taken report shall be submitted on that time.


D.M. Raskar

Chief Executive Officer

Annexure-IX

Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar,
Patethan, Post.Rahu, Taluka-Daund , Dist-Pune-412207 Maharashtra.

DG Set – 750 KVA



DG Set – 750 KVA





EHS MATRIX

PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
☎ +91 91585 60571 / +91 95796 84751 / +91 90961 85285
🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/Dec/R-1724	Issue Date	30/12/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Source Emission	Sample Description	Stack Material : RCC
Date of Sampling	24/12/2022		Stack Height : 12 M
Start Date of Analysis	25/12/2022		Stack Type : Round
End Date of Analysis	30/12/2022	Sampling Location	DG SET -750 KVA
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sampling duration	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	521	K		--
2	Differential Pressure	5.9	mm WG		
3	Fuel Type	HSD	--		
4	Velocity	10.52	M/s		
5	Dimensions of Stack	0.2012	Mtr.		
6	Stack Area	0.03177	M ²		
7	Gas Volume	688.93	Nm ³ /Hr		
8	Particulate Matter	76.3	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
9	SulphurDioxide(SO ₂)	56.2	mg/Nm ³	--	
10	SulphurDioxide(SO ₂)	0.92	Kg/day	Not Specified	
11	Oxide of Nitrogen (NO _x)	28.7	mg/Nm ³	Not Specified	

➤ **Remark-** All above results are well within MPCB Limit.
BDL.: - Below Detection Limit




Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

📍 Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
☎ +91 20 2435 6133
☎ +91 90961 85285 / +91 91585 60571

📍 Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
☎ +91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



EHS MATRIX

PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
+91 91585 60571 / +91 95796 84751 / +91 90961 85285
www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/Nov/R-1240	Issue Date	30/11/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Source Emission	Sample Description	Stack Material : RCC
Date of Sampling	24/11/2022		Stack Height : 12 M
Start Date of Analysis	25/11/2022		Stack Type : Round
End Date of Analysis	30/11/2022	Sampling Location	DG SET -750 KVA
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.	Sampling duration	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring

Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	512	K		--
2	Differential Pressure	5.8	mm WG		
3	Fuel Type	HSD	--		
4	Velocity	10.34	M/s		
5	Dimensions of Stack	0.2012	Mtr.		
6	Stack Area	0.03177	M ²		
7	Gas Volume	689.04	Nm ³ /Hr		
8	Particulate Matter	72.6	mg/Nm ³	≤ 150	CPCB Guideline on methodologies for source emission monitoring
9	SulphurDioxide(SO ₂)	25.6	mg/Nm ³	--	
10	SulphurDioxide(SO ₂)	62.3	Kg/day	Not Specified	
11	Oxide of Nitrogen (NO _x)	1.03	mg/Nm ³	Not Specified	

➤ **Remark-** All above results are well within MPCB Limit.
BDL.: - Below Detection Limit




Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018

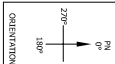
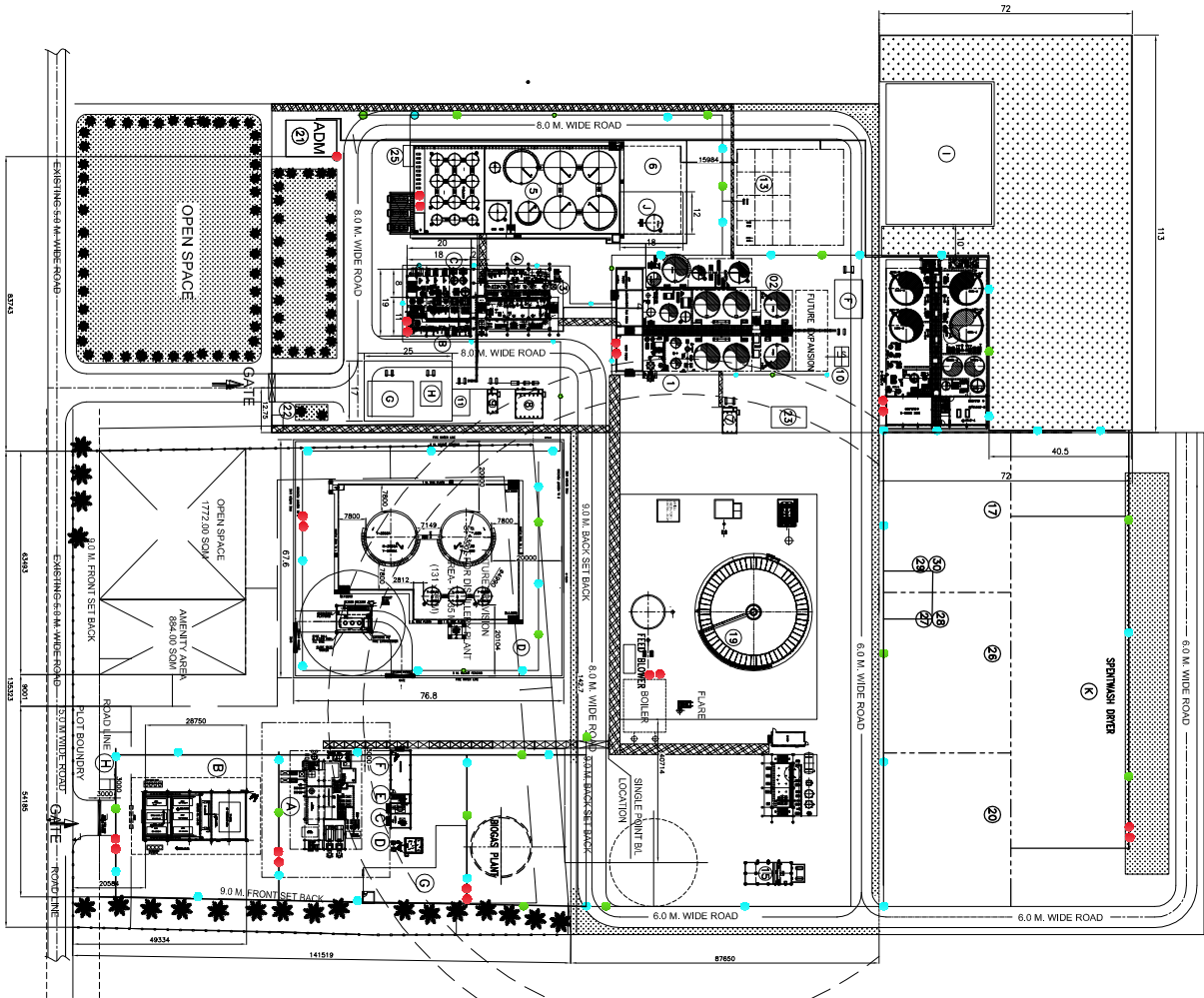
Annexure-X

175/SMS

DRG. NO. :

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DO NOT SCALE THE DRAWING



SR. NO.	DESCRIPTION	AREA (MT X M ²)	REMARK
1	FERMENTATION SECTION	41.00 X 32.00	
2	FERMENTATION SECTION (NEW)	23.00 X 9.00	
3	DISTILLATION + WASH SECTION	23.00 X 13.00	
4	DISTILLATION (NEW)	21.00 X 4.00	
5	ALCOHOL STORAGE SECTION	58.50 X 29.50	
6	ALCOHOL STORAGE SECTION (FUTURE)	25.00 X 18.00	
7	COOLING TOWER FOR FERMENTATION	07.00 X 04.00	
8	COOLING TOWER FOR DIST.	09.00 X 08.00	
9	COOLING TOWER FOR WASH	07.00 X 02.00	
10	COOLING TOWER FOR FERML. (NEW)	05.50 X 04.00	
11	COOLING TOWER FOR DIST. (FUTURE)	07.50 X 03.00	
12	COOLING TOWER FOR WASH (FUTURE)	07.00 X 03.00	
13	WATER TREATMENT PLANT	30.00 X 22.00	CLIENT SCOPE
14	EVAPORATION SECTION	17.50 X 15.00	
15	MOISTURE COOLING SYSTEM (EVAPORATION SECTION)	13.00 X 08.00	
16	SPENT WASH COLLECTION PIT (I & II)	25.00 X 12.00	
17	SPENT WASH LAAGOON	45.50 X 45.25	CLIENT SCOPE
18	DELETED	45.00 X 65.00	
19	BROODS SECTION	65.00 X 58.00	CLIENT SCOPE
20	EVAPORATION CONCENTRATED STRIP LAAGOON	46.50 X 51.25	CLIENT SCOPE
21	ADMIN BUILDING	10.30 X 14.50	
22	SECURITY CABIN	05.00 X 03.20	CLIENT SCOPE
23	CO2 PLANT	10.00 X 08.00	
24	BULK MOLASSES TANK (FUTURE)	825.00 MT.	CLIENT SCOPE (BMS) G
25	BROODS/ANIMAL SYSTEMS/REAR/REAR/REAR (NEW)	60.00 X 26.00	CLIENT SCOPE (BMS) G
26	BROODS/ANIMAL SYSTEMS/REAR/REAR/REAR (NEW)	48.500 X 96.00	CLIENT SCOPE (BMS) G
27	BROODS/ANIMAL SYSTEMS/REAR/REAR/REAR (NEW)	48.500 X 96.00	CLIENT SCOPE (BMS) G
28	BROODS/ANIMAL SYSTEMS/REAR/REAR/REAR (NEW)	48.500 X 96.00	CLIENT SCOPE (BMS) G
29	PUMPING ROT.	1-4203	
30	LAAGOON TRANSFER PUMP	60.500 MT.	P-4201A/B
31	PROCESS WATER TRANSFER PUMP	-	P-3002A/B
32	SPOT WATER TRANSFER PUMP	-	P-3003A/B
33	DM WATER TRANSFER PUMP	-	P-3004A/B

LEGEND (NEW)

SR. NO.	DESCRIPTION	AREA (MT X M ²)	REMARK
A	FERMENTATION SECTION	47.50 X 28.50	
B	DISTILLATION + WASH SECTION	18.00 X 11.00	
C	EVAPORATION SECTION	15.00 X 8.00	
D	ALCOHOL STORAGE SECTION (FES50)	76.00 X 22.00	
E	TA STORAGE SECTION	20.00 X 11.00	
F	COOLING TOWER FOR FERMENTATION	11.00 X 8.00	
G	COOLING TOWER FOR DISTILLATION+EVAPORATION	13.00 X 10.00	
H	COOLING TOWER FOR WASH	07.00 X 08.00	
I	PCWP	40.00 X 20.00	
J	FAS FEED TANK	40.00 X 40.00	
K	SPEWASH DRAIN	40.00 X 40.00	
L	BROODS PLANT (NEW)	40.00 X 50.00	

- 1) ALL DIMENSIONS ARE IN MM OTHERWISE SPECIFY.
- SIX KET HYDRANT VALVE
- MONITORING SYSTEM
- RED COLOR INDICATE 6" PIPE LINE
- MARSANIA COLORS INDICATE 6" NEW PIPE LINE
- FIRE EXTINGUISHER

ALL DIMENSIONS ARE IN MM.

SHREENATH MHASKOBA SAKHAR K. LTD.
 PATEETHAN, TAL.: DAUND
 DIST.: PUNE

MATERIAL :	QTY.	
FINISH :	DATE	
DRN. BY. : ISHWAR	DATE	12/03/2022
CHD. BY. :		
APPD. BY. :		
WORKS MANAGER :		
DESCRIPTION : 120 KLPD AA SYRUP BASED FIRE FIGHTING LAYOUT	PROJECTION	
SCALE : SHEET 1 OF 1	DRG. NO. : S.M.S./541	REV. : 0

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Fire hydrant system



Fire hydrant system



Fire hydrant system



Fire fighting system



Annexure-XI

Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar
Patethan, post-Rahu, Taluka-Daund, Dist-Pune 412207, Maharashtra.

Medical Camp-Patient Checkup



Medical Camp-Patient Registration



१

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ सैत्रय विठोबा धाडगे

पत्ता :- पाटेठाण ता. दौंड जि. पुणे

वय वर्ष :- ५०

मोबाईल नंबर :- ९९७०८६४३८५

रुग्णव्याधी तपशील :- उठे तपासणी, सांधे दुखी, कीर्पी, कान दुखणे

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

~~Rx~~ T. Chesten cold today
 T. Novomax 4
 cap. Omeze 20
 otic ear drop
 2 - 2 - 2 थेंबे - वैद्यकिय अधिकारी सही
 काळान
 (100)2

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण २३

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ <u>शिवराज मतिड डुके</u>
पत्ता :- <u>कु. डुकेवाडी पोस्ट राहू ता. दौंड जि. पुणे,</u>
वय वर्ष :- <u>५२</u>
मोबाईल नंबर :- <u>७०.२८.०६.२८८५</u>
रुग्णव्याधी तपशील :- <u>अंश उः २०१.</u> <u>BP.</u>
वैद्यकिय अधिकारी अभिप्राय/सल्ला :- <u>Rx</u> <u>T. Acelopran</u> <u>↳ जेवणानंतर</u> <u>T. cap amr २० - ①</u> <u>↳ जेवणानंतर</u> <u>T. Telma Bet-9 (40/25) ① - ०२०</u> <u>T. Atorva २० mg ①</u> <u>वैद्यकिय अधिकारी सही</u>

1 month

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

पो- राहु, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ प्रियेस कुमार आपप

पत्ता :- मु.पो. पाटेठाण, ता.पे. जि. पुणे. (उ.प.)

वय वर्ष :- ३८

मोबाईल नंबर :- ९३८९२६५६५७

रुग्णव्याधी तपशील :- डोळे दुखणे, अंगठुखणे

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

Rx.

T. AcicloHerm.

✓ → जेव्हाही

cap. omnes - 20

✓ → जेव्हाही

वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

40

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ दादा भाग्युती शिंगटे

पत्ता :- कु.पो. वडगाव वडी, ता. पो. नि. पुणे

वय वर्षे :- ४०

मोबाईल नंबर :- ९८०९३०९३९४

रुग्णव्याधी तपशील :- B.P. १५५/९५

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

Rx. cap. B. complex forte.
रोक १

T. oiclopasa (३)

T. fivocel. (३)
दात्री १

T. venting.

वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि.श्रीनाथनगर पाटेठाण

पो- राहू,तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

43

रुग्णाचे नाव :- श्री/सौ कमलेश यादव

पत्ता :- कारखाना कार्यालय (उ.प)

वय वर्ष :- २८

मोबाईल नंबर :- ९९१९७३०७३५

रुग्णव्याधी तपशील :- निय

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

R

T. o plox २०००mg वर

T. Pam वर २००

वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि.श्रीनाथनगर पाटेठाण

पो- राहू,तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

५९

रुग्णाचे नाव :- श्री/सौ बिमलेश राव

पत्ता :- कारखाना कार्यालय. (प.प)

वय वर्षे :- ३७

मोबाईल नंबर :- ९९५७५७५४३५.

रुग्णव्याधी तपशील :- NIU

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

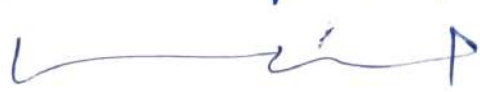
Rx

T. B-complex





T. Acetoprene





वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

47

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/स्त्री मनोरमा सापय

पत्ता :- कारखाना कारखाना.

वय वर्षे :- २३

मोबाईल नंबर :- ९३५५ ७९३५१९५२०

रुग्णव्याधी तपशील :- ० शोथला,

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

Rx .

SYP. Ventoran D_x.

10 — 10 — 100mg सेक.

वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

53

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. 04/02/2023

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ महेश विठ्ठल माळगे

पत्ता :- मु.पो. छोरी. ता. इनापुर. जि. पुणे

वय वर्ष :- 38

मोबाईल नंबर :- 9021062110

रुग्णव्याधी तपशील :- B.P. 140/90

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

*Come for routine
check up.*

वैद्यकिय अधिकारी सही

श्रीनाथ म्हस्कोबा साखर कारखाना लि. श्रीनाथनगर पाटेठाण

पो- राहू, तालूका-दौंड जिल्हा- पुणे.

ऊस तोड मजूर वैद्यकिय तपासणी शिबीर दि. ०५/०२/२०२३

आरोग्य शिबीर तपासणी फॉर्म

रुग्णाचे नाव :- श्री/सौ मदामाशिव बाबुराव दिळेकर
पत्ता :- सु.पो. दिळेकरवाडी. ता. हबेली, जि. पुणे
वय वर्षे :- ५८
मोबाईल नंबर :- ९९२३००२९१५

रुग्णव्याधी तपशील :- SUGAR

वैद्यकिय अधिकारी अभिप्राय/सल्ला :-

Rx.

T. GLUCONORM- ५१

1 — 0 — 1
X 1 month

T. vylde 50mg

0 — 1 — 0 X 1 month

वैद्यकिय अधिकारी सही

IMAGE - PARKING FACILITY

Annexure XII



IMAGE – RAW AND FINAL MATERIAL PARKING FACILITY



Closed storage with loading and unloading areas

Annexure XIII



Storages of raw Material Image



Annexure-XIV

Date. 24/09/2018

Online Monitoring System Details for Distillery Unit :-

Sr.No	Particular	Parameters	Vender Name	Online Monitoring Started
1	Online Electromagnetic Flowmeter	Effluent Outlet Flow measurement	M/s. krohne Marshal Pvt Ltd., A-34/35, MIDC Industrial Estate H- Block, Pimpri, Pune.	Season - 2016-17
2	Online Web Camera	Compost Yard Observation	M/s. Forbes Marshal Pvt Ltd., Plot No. B-85, Phase-II, Chakan Industrial Area, Village Savardari, Chakan, Tal. Khed, Dist. Pune	Season - 2016-17



Image 1 : Web Camera on Compost Yard



Image 2 : Magnetic Flow Meter



Annexure-XV

TEST REPORT

Report No:	EHSM/2022/Dec/R-1720	Issue Date	30/12/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/12/2022	Sampling duration	24 hrs
Start Date of Analysis	26/12/2022	End Date of Analysis	30/12/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	22.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	27.9	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	64.3	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	35.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.3	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)



EHS MATRIX

PRIVATE LIMITED

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www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/Nov/R-1236	Issue Date	30/11/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/11/2022	Sampling duration	24 hrs
Start Date of Analysis	25/11/2022	End Date of Analysis	30/11/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	29°C	Wet bulb temperature	25°C
Relative Humidity	72 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	20.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	26.7	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	60.2	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	34.9	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.3	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

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S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

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+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



TEST REPORT

Report No:	EHSM/2022/Oct/R-870	Issue Date	31/10/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/10/2022	Sampling duration	24 hrs
Start Date of Analysis	25/10/2022	End Date of Analysis	31/10/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	18.9	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	25.7	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	59.7	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	34.5	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.30	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	IS 5182 (Part 11)

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)



TEST REPORT

Report No:	EHSM/2022/Sep/R-1481	Issue Date	30/09/2022		
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.				
Sample Name	Air	Sample Description	Ambient Air		
Date of Sampling	24/09/2022	Sampling duration	24 hrs		
Start Date of Analysis	26/09/2022	End Date of Analysis	30/09/2022		
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I		
Dry bulb temperature	25°C	Wet bulb temperature	21°C		
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		
Results					
Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	15.9	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	21.6	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	55.7	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	29.4	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	
Remark- ➤ All above results are within National Ambient Air Quality standards. ➤ BDL – Below Detectable Limit.					




Authorized Signatory
Mr. Rahul Patil
(Director)



EHS MATRIX

PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
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+91 91585 60571 / +91 95796 84751 / +91 90961 85285
www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/Aug/R-662	Issue Date	30/08/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	25/08/2022	Sampling duration	24 hrs
Start Date of Analysis	26/08/2022	End Date of Analysis	30/08/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	16.9	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	23.4	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	51.4	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	28.6	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)

Page 01 of 01

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Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



EHS MATRIX

PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
☎ +91 91585 60571 / +91 95796 84751 / +91 90961 85285
🌐 www.ehsmatrix.co.in ✉ ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/July/R-745	Issue Date	30/07/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/07/2022	Sampling duration	24 hrs
Start Date of Analysis	25/07/2022	End Date of Analysis	30/07/2022
Sampling Location	Near Main Gate	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	24°C	Wet bulb temperature	20°C
Relative Humidity	78 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	14.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	20.6	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	43.6	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	24.2	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.20	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	g/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)

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📍 Branch Office Address :
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Rajarampuri, 4th Lane,
Kolhapur - 416008.
☎ +91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



TEST REPORT

Report No:	EHSM/2022/Dec/R-1721	Issue Date	30/12/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/12/2022	Sampling duration	24 hrs
Start Date of Analysis	26/12/2022	End Date of Analysis	30/12/2022
Sampling Location	Near Boiler Area	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	21.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	26.4	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	62.4	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	37.9	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.4	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.



Rahul Patil
Authorized Signatory
Mr. Rahul Patil
(Director)

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Branch Office Address :
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Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



EHS MATRIX

PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.

+91 91585 60571 / +91 95796 84751 / +91 90961 85285

www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	EHSM/2022/Nov/R-1237	Issue Date	30/11/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/11/2022	Sampling duration	24 hrs
Start Date of Analysis	25/11/2022	End Date of Analysis	30/11/2022
Sampling Location	Near Mill Area	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	29°C	Wet bulb temperature	25°C
Relative Humidity	72 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	21.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	27.9	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	62.4	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	36.9	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.4	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)

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Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



TEST REPORT

Report No:	EHSM/2022/Oct/R-871	Issue Date	31/10/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/10/2022	Sampling duration	24 hrs
Start Date of Analysis	25/10/2022	End Date of Analysis	31/10/2022
Sampling Location	Near Distillery Area	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	19.6	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	26.4	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	60.9	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	35.1	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
Mr. Rahul Patil
(Director)



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TEST REPORT

Report No:	EHSM/2022/Sep/R-1482	Issue Date	30/09/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/09/2022	Sampling duration	24 hrs
Start Date of Analysis	26/09/2022	End Date of Analysis	30/09/2022
Sampling Location	Near colony area	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	17.9	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	24.6	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	55.7	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	32.6	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.2	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




Authorized Signatory
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(Director)

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📍 Branch Office Address :
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Kolhapur - 416008.
☎️ +91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



TEST REPORT

Report No:	EHSM/2022/Aug/R-663	Issue Date	30/08/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	25/08/2022	Sampling duration	24 hrs
Start Date of Analysis	26/08/2022	End Date of Analysis	30/08/2022
Sampling Location	Near Office area	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	25°C	Wet bulb temperature	21°C
Relative Humidity	76 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	17.3	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	24.3	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	51.6	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	29.2	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.1	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




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TEST REPORT

Report No:	EHSM/2022/July/R-746	Issue Date	31/07/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	24/07/2022	Sampling duration	24 hrs
Start Date of Analysis	25/07/2022	End Date of Analysis	30/07/2022
Sampling Location	Near Biogas Lab	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	24°C	Wet bulb temperature	20°C
Relative Humidity	78 %	Sampling done by	Eurofine Enviro Lab Pvt. Ltd.

Results

Sr. No.	Parameter	Result	Unit(s)	Specifications (NAAQ Standards)	Method
1	Sulphur Dioxide(SO ₂)	15.9	µg/m ³	≤ 80	IS 5182(Part 2)
2	Oxides of Nitrogen(NO ₂)	22.4	µg/m ³	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM ₁₀	48.9	µg/m ³	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM _{2.5}	25.9	µg/m ³	≤ 60	
5	Carbon Monoxide (CO)	0.10	mg/m ³	≤ 04	
6	Ozone(O ₃)	<20	µg/m ³	≤ 180	
7	Lead (Pb)	BDL	µg/m ³	≤ 01	
8	Arsenic(As)	BDL	ng/m ³	≤ 06	
9	Nickel(Ni)	BDL	ng/m ³	≤ 20	
10	Ammonia(NH ₃)	<5	µg/m ³	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/ m ³	≤ 1.0	
12	Benzene(C ₆ H ₆)	BDL	µg/m ³	≤ 05	

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.




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CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



Annexure-XVI

TEST REPORT					
Report No:	EHSM/2022/Dec/R-1722	Issue Date	30/12/2022		
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.				
Sample Name	Ambient Noise	Sample Description	--		
Date of Sampling	24/12/2022	Sampling duration	--		
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.				
Results					
Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	73.9	67.3	75/70	CPCB Guideline
2.	Near colony area	66.9	61.8		
Remark- ➤ All above Noise level results are within Central Pollution Control Board Standards limit. ➤ Day/Night -75/70 dB.					




Authorized Signatory
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(Director)



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TEST REPORT

Report No:	EHSM/2022/Nov/R-1238	Issue Date	30/11/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Ambient Noise	Sample Description	--
Date of Sampling	24/11/2022	Sampling duration	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		

Results

Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	72.6	68.7	75/70	CPCB Guideline
2.	Near colony area	66.4	61.3		

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.




Authorized Signatory
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(Director)

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TEST REPORT

Report No:	EHSM/2022/Oct/R-874	Issue Date	31/10/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Ambient Noise	Sample Description	--
Date of Sampling	24/10/2022	Sampling duration	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		

Results

Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	72.6	67.1	75/70	CPCB Guideline
2.	Near colony area	65.4	60.9		

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.




Authorized Signatory
Mr. Rahul Patil
(Director)

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TEST REPORT

Report No:	EHSM/2022/Sep/R-1483	Issue Date	30/09/2022
Name and Address of Customer	M/s. Shreenath Mhaskoba Sakhar Karkhana LTD. Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra.		
Sample Name	Ambient Noise	Sample Description	--
Date of Sampling	24/09/2022	Sampling duration	--
Sampling done by	Eurofine Enviro Lab Pvt. Ltd.		


Results

Sr. No.	Location	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))	Method
1.	Near Main Gate	70.6	65.7	75/70	CPCB Guideline
2.	Near colony area	64.3	60.		

Remark-

- All above Noise level results are within Central Pollution Control Board Standards limit.
- Day/Night -75/70 dB.




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CERTIFICATIONS :
ISO 9001 : 2015
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ISO 45001 : 2018

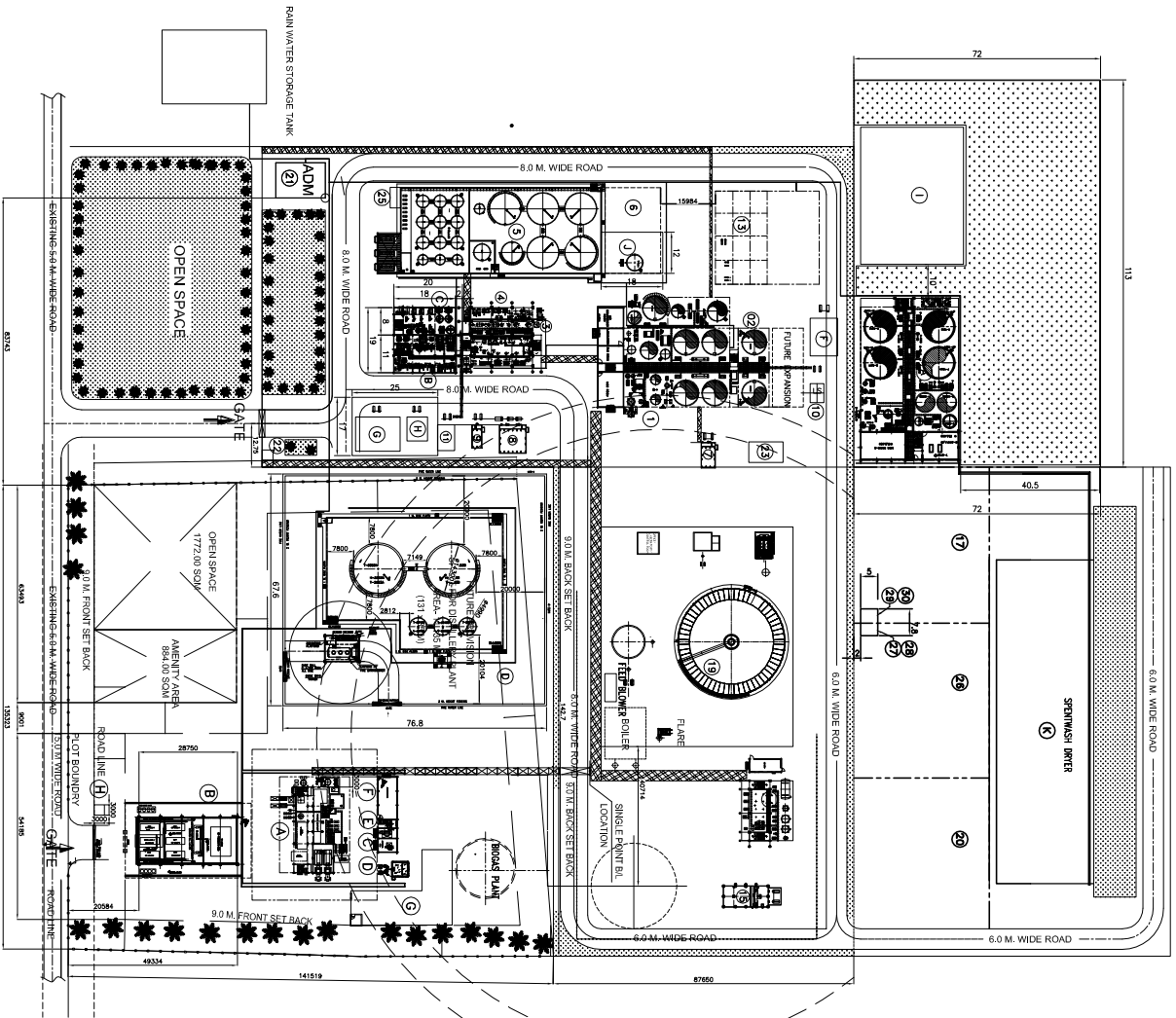
Annexure-XVII

079/SMS

DRG. NO. :

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

DO NOT SCALE THE DRAWING



- NOTES:-**
- 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 - 2) DETAIL OF EQUIPMENT OR EQUIPMENTS WILL BE OBTAINED ONLY AFTER THE DESIGN IS FINALISED.
 - 3) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 - 4) --- INDICATE GREENERY
 - 5) --- INDICATE FENCING
 - 6) --- INDICATE GEOMETRICAL NORTH
 - 7) --- INDICATE PLANT NORTH
 - 8) --- INDICATE ROAD NORTH
 - 9) --- INDICATE WIND DIRECTION
 - 10) --- INDICATE FIRE MACK
 - 11) --- INDICATE GATE
 - 12) --- INDICATE FUTURE EXPANSION
 - 13) --- INDICATE RAIN WATER HARVESTING PIPING LINE
 - 14) --- INDICATE RAIN WATER HARVESTING WATER STORAGE POND

ALL DIMENSIONS ARE IN MM.

SHREENATH MHASKOBA SAKHAR K. LTD.
 PATETHAN, TAL. : DAUND
 DIST. : PUNE

MATERIAL :	QTY.	DATE	DESCRIPTION :	PROJECTION
FINISH :			120 KLPD AA SYRUP BASED RAIN WATER HARVESTING LAYOUT	
DRN. BY. :	ISHWAR	12/03/2022		
CHD. BY. :				
APPD. BY. :				
WORKS MANAGER :				
SCALE :	SHEET 1 OF 1	DRG. NO. :	S.M.S./54.0	REV. 0

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Rain water Near sugar godown collection tank



Rain water gutter of sugar godown



IMAGE – RAINWATER HARVESTING





Rain Water Harvesting Water Storage Pond

Vol.Capacity-12500 M3

Annexure-XVIII

**Shreenath Mhaskoba Sakhar Karkhana Ltd., Shreenathnagar
Patethan,post Rahu, Taluka-Daund, Dist-Pune 412207,Maharashtra.**

Safety Training

Safety training is being provided by the safety officers to all employees with the assistance of faculty members from professional safety institution and universities. In addition to regular employees,limited contractor laborers are also providing with safety training.



Mock drill & Firefighting training

The working personnel will be given the following appropriate personnel protective equipment's.

- Industrial safety helmets
- Face shield with replacement acrylic vision
- Zero power plain goggles with cut type filters on both ends
- Zero power plain goggles with cut type filters on both sides and blue colour glasses
- Welders equipment's for eye and face protection
- Ear plugs
- boiler suit

- Safety belt/ line man's safety belt
- Lather/rubber hand gloves
- Industrial safety shoes with steel toe
- Electrical safety shoes without steel toe & gum boots

Housekeeping

Good housekeeping practice and introducing new ways of operating and maintaining the equipment in the industry are essential part of maintain clean work place as well as improving occupational safety. Proper good housekeeping can prevent accidents, spillages and leakages, raw material & product losses. For good housekeeping following practices shall be adopted:

- All the materials shall be stored in compatible groups.
- Regular cleaning and maintenance
- Appropriate tools shall be provided for handling of all the materials
- Drinking water and sanitation facilities will be provided to workers.



Annexure-XIX

Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post - Rahu, Tal.- Daund, Dist.- Pune 412207 EPABX : 9923002924 / 8551858899

SMSKL/Admin/ 957 /2022-23

Dt.06/07/2022

Shreenath Mhaskoba Sakhar Karkhana Ltd. CSR Expenses Details.

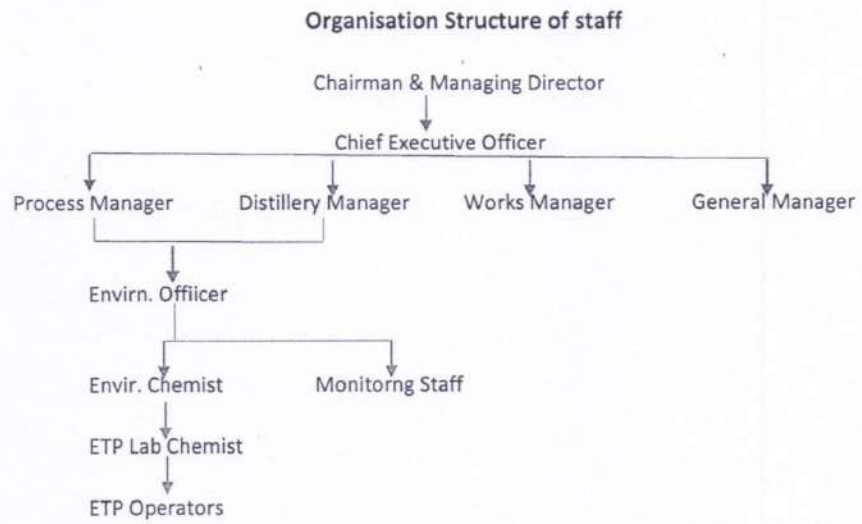
Sr.No.	Name of Head	Amount Rs.								Total Rs.
		2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	
1	Gopalan & Farming	356499	50246	346606	435200	175610	225369	94456	1319135	3003121
2	Recreation Hall for nearby farmers and Schools for their children	181000	683072	160014	227000	2351452	656278	1060633	346244	5665693
3	Farmers Training Programs	60603	101451	116073	352870	73524	165046	20223	75697	965487
4	Ganesh Festival & Nath Mhaskoba Bhandara	22644	70657	48834	78569	92936	66819	5995	136477	522931
5	Sakhar Shala (School for children of cane harvesting labors)	35710	28706	230512	--	120236	60335	16911	245125	737535
6	Health camp & Awareness (Annual Function)	302788	147970	307288	362548	336005	567236	69456	55650	2148941
7	Holy programs	197482	114286	--	--	--	--	--	--	311768
8	Other Social Activities	839308	4114230	751740	656750	575362	365498	264609	87892	7655389
9	Tree Plantation	140773	438926	76684	335210	689195	720000	327500	1746692	4474980
10	Bus Stop/Road Development, School bus Etc.)	768881	280855	429459	546213	750923	435150	4215410	1401524	8828415
11	Shree Janseva Pratishtan	839308	4114230	3605487	2350000	275326	275000	130000	--	11589351
12	Covid - 19 Social Activities	--	--	--	--	--	--	528615	--	528615
13	Water Conservation	Incl In Sr. No.							947400	947400
Total Amount Rs.		3744996	10144629	6072697	5344360	5440569	3536731	6733808	6361836	47379626


For Shreenath Mhaskoba Sakhar Karkhana Ltd.,


D.M. Raskar

Chief Executive Office






M. G. Masurkar

मावघात
परिवार चान्द्र आदित्य



**PLASTIC OUT
SINGLE USE PLASTICS**

माव घात (मावघात) च्या
परिवार चान्द्र आदित्य

 Plastic bottles are not allowed.	 Plastic cups are not allowed.
 Plastic bags are not allowed.	 Plastic containers are not allowed.
 Plastic plates are not allowed.	 Plastic bowls are not allowed.
 Plastic spoons are not allowed.	 Plastic forks are not allowed.

मावघात (मावघात) च्या परिवार चान्द्र आदित्य






एकल वापर (सिंगल यूज) प्लास्टिकचा वापर बंद करणेबाबत

काय वापर नये ?

केटीप पत्रव्यवस्था, बरे व इतरासारखे बदल संशोधनाचे अंतिम २०२१ मधील अतिवृत्तियेने केलेल्या सुधारित प्लास्टिक कचरा व्यवस्थापन नियम २०२१ नुसार खालील एकल वापर (सिंगल यूज) अवैधित वस्तु प्रतिबंधित आहेत.

- सज्जातीसाठी आविष्टित व पॉलिथीन (थर्मोकोल)
- दिव्यांके बाबित, प्रत्येक कार्य व विनायकी पॉलिथेन बाबित आविष्टित, आवरणे
- आविष्टितच्या कारणांवर आणखीही सुधारणाती आविष्टितच्या आवरण, आविष्टितकचे डोरे, कडी बांधणे
- आविष्टित बांधणे
- भोजन, सज्जात, कारखाने जरी करणे, पत्रे, वास्तु, दिव्यांकांसाठी एच.ई. कचरावण (विहित)

२०२१ मध्यावधीच्या अली अलीचे पीपीटी बंद करणे सुरु आहे.

याखरीदाराचे महाराष्ट्र प्लास्टिक व थर्मोकोल अधिसूचना २०१८ अंतर्गत खालील गोष्टी प्रतिबंधित आहेत.

- कार्पोरेट प्लास्टिक (कचरा) व कार्पोरेट प्लास्टिक (कचरा) बांधणे
- सर्व प्रकारच्या आविष्टितकचे विणक्या (कडी, कचरा) कचरा व्यवस्थापन व आविष्टितक
- विण, वाचणे, बांधणे (एच.ई.)

बीबाय एम्प्लॉयर्स सारखर कारखाना लिमिटेड
 कोरगाव, कोरगाव, पो.गाव, ता.पोर, जि.पुणे.






बीबाय एम्प्लॉयर्स सारखर कारखाना लिमिटेड

कोरगाव, कोरगाव, पो.गाव, ता.पोर, जि.पुणे.

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कोरगाव, कोरगाव, पो.गाव, ता.पोर, जि.पुणे.






PHASING OUT SINGLE USE PLASTICS

what not to be used?

As per amendment PWM Rules notified by MoEF & CG on August 2021 Following Single use plastic items are restricted

- Plastics and polystyrene (Thermocol) for decoration
- Packing films around sweet boxes, invitation cards and cigarette packets, air buds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, icecream sticks
- Plates, cups, glasses, cutlery such as forks, spoon, straws, wrapping sticks, knives, trays etc
- Plastics or PVC Banners less than 100 micron

In addition, the following items are prohibited under the Maharashtra Plastics and Thermocol Notification 2018

- Carriable plastic (excluding waste and nursery bags)
- All type of plastic bags (carry bags) with and without handles
- Dish, Bowl, Container

बीबाय एम्प्लॉयर्स सारखर कारखाना लिमिटेड
 कोरगाव, कोरगाव, पो.गाव, ता.पोर, जि.पुणे.



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000042757

Submitted Date

26-06-2022

PART A

Company Information

Company Name

Shreenath Mhaskoba sakhar karkhana Ltd. (Distillery unit)

Application UAN number

MPCB-CONSENT-0000121173

Address

At. Shreenathnagar, Patethan, Post- Rahu, Tal- Daund, Dist- Pune.

Plot no

225-1/2

Taluka

Daund

Village

Shreenathnagar, Patethan

Capital Investment (In lakhs)

6812

Scale

L.S.I

City

Pune

Pincode

412207

Person Name

D.M. Raskar

Designation

Chief Executive Officer

Telephone Number

7755992811

Fax Number

Email

dm@shreenathsugar.com

Region

SRO-Pune I

Industry Category

Red

Industry Type

R60 Distillery (molasses / grain /yeast based)

Last Environmental statement submitted online

yes

Consent Number

MPCB-CONSENT-0000121173

Consent Issue Date

2022-03-24

Consent Valid Upto

31.08.2022

Establishment Year

2019

Date of last environment statement submitted

Aug 11 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Rectified spirit OR ENA

Consent Quantity

21600

Actual Quantity

16589.245

UOM

KL/A

Ethanol (fuel Alcohol)

21600

15213.273

KL/A

Fusel oil

25.2

15.50

KL/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

KL/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	435.00	420.00
Domestic	252.00	245.00
All others	20.00	16.00
Total	0.00	0.00
	707.00	681.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	416	400	CMD
Domestic	16	15	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Distillery including Fermentation Industry	5.85	5.75	CMD
Distillery including Fermentation Industry	0	0	CMD
Distillery including Fermentation Industry	0	0	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Urea	0	0.75	Kg/Annum
DAP	0	0.31	Kg/Annum
Anti foam	0	0.56	Kg/Annum
Molasses	0	3.25	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
BIOGAS	700	650	

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	0	0	NA	NA	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
-------------------	---	--	---	----------	--------

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Distillation Residue	55	50	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	0	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Yeast sludge	50	Ton/Y	NA
Bio digester sludge	40	Ton/Y	NA

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Rectified Spirit	110	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection

Bio-methanation followed by MEE & Concentrate with Bio-Composting to achieve ZLD.

Environmental Protection Measures

MEE , Wet Scrubber.

Capital Investment (Lacks)

6812

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Green Belt

Environmental Protection Measures

Tree Plantation

Capital Investment (Lacks)

15

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The factory had done extensive plantation in & around the factory premises and maintain good housekeeping.

Name & Designation

D.M.Raskar Chief Executive Officer .

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000042757

Submitted On:

26-06-2022

मुखारो

प्रचंड खपाचे एकमेव निःपक्ष व निर्भीड दैनिक

स्थापना
१९३९

www.pudhari.com

पुणे

रविवार ४ सप्टेंबर २०२२ | स्थापना वर्ष ८४ वे | मुंबई, पुणे, औरंगाबाद, कोल्हापूर, सांगली, सातारा, ठाणे, रायगड, सिंधुदुर्ग, रत्नागिरी, अजमेरनाथ, नासिक, सोलापूर, बीड, परभणी, हिंगोली, वेरुळगाव, गोवा येथून एकाचवेळी प्रसिद्ध

KLR-005/2021-2023

★ पाने २० (१०+६+४) किंमत ₹ ५

गणपती
विष्णू
गौर्या...



• मंड (शि. रागाड)
येथील बदविनायक



जग हे सारे तुझीच निर्मितो
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लाभो कालिकाची मजबूती

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संक्षिप्त

**भारत-पाक आळ
पुन्हा आम्हें सामने**

दुबई : आशिया चषक टी-२० क्रिकेट स्पर्धेच्या सुरु फेरीमध्ये उधा (विवादा) पुन्हा एकदा भारत आणि पाकिस्तान हे पारंपरिक प्रतिस्पर्धी आमने-सामने उभे ठाकणार आहेत. यापूर्वी गट साखळीतील लढतीत भारताने पाकिस्तानवर निवडविला होता. पाकिस्तानने काल हंगकॉंगचा पराभव करून सुरु फेरीमध्ये प्रवेश केला. भारताने फलंदाज विरूद्ध पाकिस्तानचे गोलंदाज असा हा सामना रणणार आहे. उधा सायंकाळी ७.३० वाजता हा सामना सुरू होईल.

**(संक्षिप्त वृत्त क्रीडा पत्र)
नेरा फतेहीची ईडीकडून**

सात ताम चौकशी नवी दिल्ली : शोदायोज मुरेया चवथीखा यांच्या

नेरा फतेहीची ईडीकडून सात ताम चौकशी नवी दिल्ली : शोदायोज मुरेया चवथीखा यांच्या

नेरा फतेहीची ईडीकडून सात ताम चौकशी नवी दिल्ली : शोदायोज मुरेया चवथीखा यांच्या

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डोळ्यांचे नंबर कमी करण्याची आद्वानिती

अत्याधुनिक टोपेटिक प्रसिद्ध तोंडीक मीनमबरो (Laser Surgery)

पुण्यात प्रथमच

१८ वर्षांपुढील पुण्याची वयो वी ह्या शस्त्रक्रिया करून घेऊ शकतो

३१ ऑगस्ट ते ३० सप्टेंबर या कालखंडात तोंडीक प्रसिद्ध व फुलवसायी स्वस्तोनाथ

आलटकर हॉस्पिटल

ए-०१, ए-०३, नरिंग रोड, अमर लडावा हॉस्पिटल सोसायटी, हडपसर, पुणे-३८
020-26815836 / 020-26824069 / 9422314805 / 9423572828



ठाकरे-शिंदे गटात बुलढाण्यात राडा

बुलढाणा : पुढारी वृत्तसेवा शिवसेनेच्या उदब ठाकरे गटाच्यावतीने सुरू असलेल्या सकाळच्या कार्यक्रमाला सुपुन मुळभंगी एकनाथ शिंदे गटाच्या काही कार्यकर्त्यांनी धक्काबुक्की व मारहाण करायची घटना शनिवारी घडली. या प्रकरणी पोलिसांनी चार कार्यकर्त्यांना अटक केली.

राजपवड, गजानन कोरके, गोपेश गणकाड व राघू सुरणे अशी अटक करण्यात आलेल्या कार्यकर्त्यांची नावे आहेत. रायसागर, आपाखी

आणखी एक धक्का!

राज्यपाल नियुक्त आमदारांची 'मविआ'ची यादी घेतली मागे; नवी यादी सादर करणार

मुंबई : पुढारी वृत्तसेवा मुख्यमंत्री एकनाथ शिंदे यांनी शनिवारी शिवसेनेला पक्षप्रमुख उदब ठाकरे यांना आणखी एक धक्का दिला. मविआ सरकारने सादर केलेली राज्यपाल नियुक्त १२ आमदारांची यादी नव्या सरकारने मागे घेतली आहे. ठाकरे सरकारने घेतलेले अनेक निर्णय शिंदे सरकारने रद्द केले होते. त्यापठोपाठ हा एक मोठा राजकीय निर्णय त्यांनी घेतला.

महाकिकास आघाडी सरकारने विधान परिषदेवर नियुक्त १२ सभाज्य आमदारांची यादी राज्यपाल भारतीस कोश्यारी यांना पत्रविली होती. मात्र ती राज्यपालांनी मंजूर केली नाही. दोन वर्षे ही यादी त्यांच्याकडे पडून होती. अखेरीस शिंदे सरकारने ही यादी घेतली आहे. पत्रविली नव्हत यादी त्यांच्याकडून राज्यपालांना सादर केली जाणार आहे.

मुख्यमंत्र्यांचा ठाकरेना आणखी एक धक्का!

राज्यपाल नियुक्त आमदारांची 'मविआ'ची यादी घेतली मागे; नवी यादी सादर करणार

मुंबई : पुढारी वृत्तसेवा मुख्यमंत्री एकनाथ शिंदे यांनी शनिवारी शिवसेनेला पक्षप्रमुख उदब ठाकरे यांना आणखी एक धक्का दिला. मविआ सरकारने सादर केलेली राज्यपाल नियुक्त १२ आमदारांची यादी नव्या सरकारने मागे घेतली आहे. ठाकरे सरकारने घेतलेले अनेक निर्णय शिंदे सरकारने रद्द केले होते. त्यापठोपाठ हा एक मोठा राजकीय निर्णय त्यांनी घेतला.

महाकिकास आघाडी सरकारने विधान परिषदेवर नियुक्त १२ सभाज्य आमदारांची यादी राज्यपाल भारतीस कोश्यारी यांना पत्रविली होती. मात्र ती राज्यपालांनी मंजूर केली नाही. दोन वर्षे ही यादी त्यांच्याकडे पडून होती. अखेरीस शिंदे सरकारने ही यादी घेतली आहे. पत्रविली नव्हत यादी त्यांच्याकडून राज्यपालांना सादर केली जाणार आहे.

मुख्यमंत्र्यांचा ठाकरेना आणखी एक धक्का!

राज्यपाल नियुक्त आमदारांची 'मविआ'ची यादी घेतली मागे; नवी यादी सादर करणार

मुंबई : पुढारी वृत्तसेवा मुख्यमंत्री एकनाथ शिंदे यांनी शनिवारी शिवसेनेला पक्षप्रमुख उदब ठाकरे यांना आणखी एक धक्का दिला. मविआ सरकारने सादर केलेली राज्यपाल नियुक्त १२ आमदारांची यादी नव्या सरकारने मागे घेतली आहे. ठाकरे सरकारने घेतलेले अनेक निर्णय शिंदे सरकारने रद्द केले होते. त्यापठोपाठ हा एक मोठा राजकीय निर्णय त्यांनी घेतला.

महाकिकास आघाडी सरकारने विधान परिषदेवर नियुक्त १२ सभाज्य आमदारांची यादी राज्यपाल भारतीस कोश्यारी यांना पत्रविली होती. मात्र ती राज्यपालांनी मंजूर केली नाही. दोन वर्षे ही यादी त्यांच्याकडे पडून होती. अखेरीस शिंदे सरकारने ही यादी घेतली आहे. पत्रविली नव्हत यादी त्यांच्याकडून राज्यपालांना सादर केली जाणार आहे.

मुख्यमंत्र्यांचा ठाकरेना आणखी एक धक्का!

राज्यपाल नियुक्त आमदारांची 'मविआ'ची यादी घेतली मागे; नवी यादी सादर करणार

सिरम इन्स्टिट्यूटला हायकोर्टाची नोटीस

कोव्हिडशिडने मुलीचा मृत्यू; एक हजार कोटींच्या भरपाईचा दावा

मुंबई : पुढारी वृत्तसेवा सिरम इन्स्टिट्यूटला हायकोर्टाची नोटीस देण्यात आली आहे. कोव्हिडशिडने मुलीचा मृत्यू झाल्याने एक हजार कोटींच्या भरपाईचा दावा मागण्यात आला आहे.

सिरम इन्स्टिट्यूट ऑफ इंजिनिंग या खासगी कंपनीस 'सिरम इन्स्टिट्यूट ऑफ इंजिनिंग' या संस्थेच्या विल गेटमध्ये या एक हजार कोटी स्थापना कराईल्या द्याव्यात नोटीस जारी केली आहे. औरंगाबाद येथील दिलीप लुणावन यांनी त्याची मुदती नवेल आहे. कोव्हिडशिडने मुलीचा मृत्यू झाल्याने एक हजार कोटी स्थापना कराईल्या द्याव्यात नोटीस देण्यात आली आहे.

कोव्हिडशिडने मुलीचा मृत्यू झाल्याने एक हजार कोटी स्थापना कराईल्या द्याव्यात नोटीस देण्यात आली आहे.

पर्यावरण संरक्षण के लिए...
 1. पर्यावरण संरक्षण के लिए...
 2. पर्यावरण संरक्षण के लिए...
 3. पर्यावरण संरक्षण के लिए...



डिप्टिंग बॉलची उंची कमी ठेवावे...
 1. डिप्टिंग बॉलची उंची कमी ठेवावे...
 2. डिप्टिंग बॉलची उंची कमी ठेवावे...

सुरंपंचपदावरून पायउतार

झाल्यानंतरही पाळला शब्द

निवडू व त्या भाषांवर कादल्यातून स्वः...
 1. निवडू व त्या भाषांवर कादल्यातून स्वः...
 2. निवडू व त्या भाषांवर कादल्यातून स्वः...



रघुपम काळे

माहिती घेऊन...
 1. माहिती घेऊन...
 2. माहिती घेऊन...

जाहीर सूचना...
 1. जाहीर सूचना...
 2. जाहीर सूचना...

मोटेवाडी सुरंपंचपदी भाजपचे लालासो कोल्हे

एकच गाडीत चार सदस्य ग्रामपंचायत...
 1. एकच गाडीत चार सदस्य ग्रामपंचायत...
 2. एकच गाडीत चार सदस्य ग्रामपंचायत...



लालासो कोल्हे

पंचांनो, विरोधकांची लबाडी जनतेला ठामपणे सांगा

य भरणे यांचे आवाहन 'हर घर जल' योजनेच्या श्रेयारून हर्षवर्धन पाटलांवर निशाणा

अपे शनिवारी (दि. ३१) कोटी...
 1. अपे शनिवारी (दि. ३१) कोटी...
 2. अपे शनिवारी (दि. ३१) कोटी...



पंचांनो, विरोधकांची लबाडी जनतेला ठामपणे सांगा

PUBLIC NOTICE...
 1. PUBLIC NOTICE...
 2. PUBLIC NOTICE...

वास्तोश्री विकासाची विकासाची विकासाची...
 1. वास्तोश्री विकासाची विकासाची विकासाची...
 2. वास्तोश्री विकासाची विकासाची विकासाची...



Chief Executive Officer

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



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जगेशी

वर्ष : २३ | अंक : २१८ | पाने : १२ + ४ = १६ | किंमत : ५.००



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दिलेल्या भूमीसाठी

आम्ही आपल्या सेवेत आहोत.





Annexure-XXIV

TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------|
| Report No: | EHSM/2022/Dec/R-1727 | Issue Date | 30/12/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Borewell water |
| Date of Sampling | 24/12/2022 | Sampling duration | -- |
| Sampling Location | Compost Yard | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 25/12/2022 | End Date of Analysis | 30/12/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.56 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 418.0 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 179.9 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 64.3 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 6.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 17.6 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 99.1 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ ²⁻ | 83.6 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ ⁻ | 66.9 | mg/L | APHA 2320 |




Authorized Signatory
Mr. Rahul Patil
(Director)



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TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------|
| Report No: | EHSM/2022/Oct/R-872 | Issue Date | 31/10/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Borewell water |
| Date of Sampling | 24/10/2022 | Sampling duration | -- |
| Sampling Location | Compost Yard | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 25/10/2022 | End Date of Analysis | 31/10/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.35 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 402.3 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 156.9 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | 618.1 | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 83.6 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 5.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 16.4 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 98.6 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ ²⁻ | 68.7 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ | 46.9 | mg/L | APHA 2320 |




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CERTIFICATIONS :
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TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------|
| Report No: | EHSM/2022/Aug/R-664 | Issue Date | 30/08/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Borewell water |
| Date of Sampling | 25/08/2022 | Sampling duration | -- |
| Sampling Location | Compost Yard | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 26/08/2022 | End Date of Analysis | 30/08/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.48 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 412.6 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 174.6 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | 633.5 | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 54.9 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 6.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 18.7 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 112.4 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ ²⁻ | 74.6 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ | 52.4 | mg/L | APHA 2320 |




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TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------------------|
| Report No: | EHSM/2022/Dec/R-1728 | Issue Date | 30/12/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Lagoon borewell Weli water |
| Date of Sampling | 24/12/2022 | Sampling duration | -- |
| Sampling Location | Lagoon | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 24/12/2022 | End Date of Analysis | 30/12/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.58 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 448.9 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 191.3 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 62.4 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 7.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 21.3 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 109.6 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ ²⁻ | 78.5 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ ⁻ | 59.2 | mg/L | APHA 2320 |




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TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------------------|
| Report No: | EHSM/2022/Oct/R-873 | Issue Date | 31/10/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Lagoon borewell Weli water |
| Date of Sampling | 24/10/2022 | Sampling duration | -- |
| Sampling Location | Lagoon | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 25/10/2022 | End Date of Analysis | 31/10/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.44 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 436.9 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 181.3 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | 741.3 | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 58.9 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 6.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 18.2 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 98.9 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ - | 72.6 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ | 56.7 | mg/L | APHA 2320 |




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TEST REPORT

| | | | |
|------------------------------|--|----------------------|----------------------------|
| Report No: | EHSM/2022/Aug/R-665 | Issue Date | 30/08/2022 |
| Name and Address of Customer | M/s. Shreenath Mhaskoba Sakhar Karkhana LTD.
Patethan, T- Daund, D- Pune, P- Rahu, Pune, Maharashtra. | | |
| Sample Name | Water | Sample Description | Lagoon borewell Weli water |
| Date of Sampling | 25/08/2022 | Sampling duration | -- |
| Sampling Location | Lagoon | Sampling Procedure | APHA 1060 |
| Sampling done by | Eurofine Enviro Lab Pvt.Ltd. | Sample Quantity | 2 Ltr |
| Start Date of Analysis | 26/08/2022 | End Date of Analysis | 30/08/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--|---------|---------|--|
| 1 | pH at 25°C | 7.54 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Dissolved Solids TDS | 454.9 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 3 | Total Hardness (as CaCO ₃) | 196.4 | mg/L | IS 3025 (Part 21) |
| 4 | Electrical Conductivity | 698.1 | µS/cm | IS : 3025 (Part 14):1984 |
| 5 | Sulphate (as SO ₄) | 14.2 | mg/L | IS 3025 (Part 24) |
| 6 | TSS | <5.0 | mg/L | IS 3025 (Part 10): 1983 |
| 7 | Biochemical Oxygen Demand BOD at 27°C for 3 days | 7.0 | mg/L | IS 3025 (Part 44) |
| 8 | Chemical Oxygen Demand COD | 19.6 | mg/L | IS 3025 (Part 58) |
| 9 | Chloride (as Cl) | 126.9 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 10 | Oil & Grease | <5.0 | mg/L | APHA 5520 B, 23 rd Ed. 2017 |
| 11 | Carbonates as CO ₃ ²⁻ | 81.3 | mg/L | APHA 2320 |
| 12 | Bicarbonates as HCO ₃ ⁻ | 58.7 | mg/L | APHA 2320 |




Authorized Signatory
Mr. Rahul Patil
(Director)

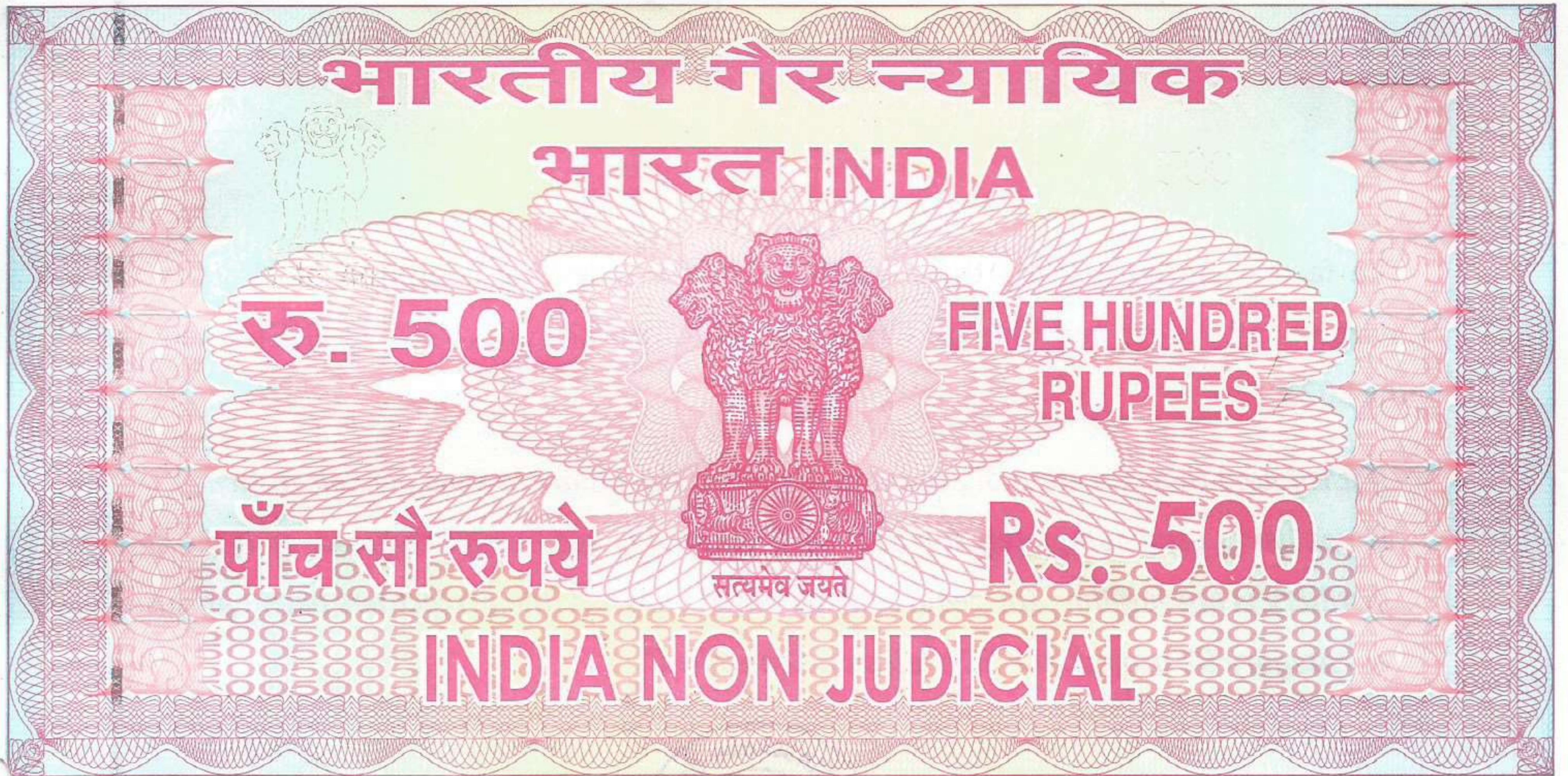
Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik
Baugh, Sinhgad Road, Pune - 411051.
+91 20 2435 6133
+91 90961 85285 / +91 91585 60571

Branch Office Address :
F-01, Shakuntala Complex,
Rajarampuri, 4th Lane,
Kolhapur - 416008.
+91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



महाराष्ट्र MAHARASHTRA

2021

अनुक्रमांक २०० दिनांक २६/०३/२०२२

जनरल स्टॅम्प रकम रुपये ५०० रुपये

मुद्रांक कोषागार कार्यालय शिरूर, जि. पुणे

मुंबई मुद्रांक अभिनियम, १९५८ चे अनुबंध क्र.

मुद्रांक वापरणाऱ्याचे संपुर्ण नाव

संपुर्ण पत्ता: Shreenath Mhaskoba Sakhar Karkhana Ltd, Rahu, Tal. Daund

हस्ते व्यक्तीचे संपुर्ण नाव/मुद्रा:

संपुर्ण पत्ता: Patethan

अधिकारीचे संपुर्ण नाव/मुद्रा:

संपुर्ण पत्ता: Patethan

मुद्रांक धारकाची

सही, श्री. दिलीप शिंदे (मुख्य अधिकारी)

प. क्र. २२१२०१३ परवानगारी मुद्रांक/०१/२०

पत्ता - दुय्यम निबंधक, तसेलगाव बाकी, शिरूर जिल्हा

BK 418577

उपकोषागार कार्यालय
शिरूर, जि. पुणे

26 MAR 2022

उपकोषागार अधिकारी
शिरूर**Affidavit**

M/s. Shreenath Mhaskoba Sakhar Karkhana Ltd., (Henceforth referred as the factory) is located Survey No. 225-1/2, at. Shreenathnagar, Patethan, Post- Rahu, Tal- Daund, Dist- Pune, Maharashtra. The factory is planning to expand its existing distillery unit from 80 kiloliter/day to 200 kiloliter/day. The factory hereby assures that the ethanol produced from proposed expansion project (i.e. 120 KLPD + existing 25 KLPD which is production under NIPL scheme = 145 KLPD production) will be used completely for Ethanol Blending Programme (EBP).



2

The factory hereby assures that, it will abide the following condition of Ministry of Environment, Forest and Climate Change (MOEFCC) notification S.O. 2339(E) dated 16 June 2021.

- If it is found that the ethanol produced, based on the EC granted as per this dispensation, is not being used completely for EBP, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled”.



[Handwritten Signature]

D.M.Raskar
Chief Executive Officer

Place: Shreenathnagar

Date: 20.06.2022



NOTED AND REGISTERED
AT SR. NO. 2102/2022
DATE 21 JUN 2022
Page No. 1 to 2855

BEFORE ME
[Handwritten Signature]
MANSING S. SHITOLE
NOTARY
GOVT. OF INDIA



Annexure-XXVI



CO₂ Manufacturing (Liquid CO₂ & Dry ice) Plant-Shreenath Mhaskoba Sakhar Karkhana Ltd.



Compressed Biogas Plant (CBG)- 10 MT/Day at Shreenath Mhaskoba Sakhar Karkhana Ltd.



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

ए-1 और ए-2 विंग, पाँचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर

नवी मुंबई (महा.)- 400614

A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),

Mumbai - 400614

E-mail : jtccemumbai@explosives.gov.in

Phone/Fax No : 022 - 27575946,27573881

संख्या /No. : P/WC/MH/15/2395 (P413947)

दिनांक /Dated : 29/09/2020

सेवा में
/To,

M/s. Shreenath Mhaskoba Sakhar Karkhana Limited,
Shreenathnagar Patethan, Post - Rahu, Tal. Daund,
Rahu,
Daund,
Taluka: Daund,
District: PUNE,
State: Maharashtra
PIN: 412207

विषय Gut No, 225/1 & 225/2(P), Village - Rahu, Taluka -Daund, Rahu Tal- Daund, Daund, Taluka: Daund, District:
/Sub : PUNE, State: Maharashtra, PIN: 412207 में पेट्रोलियम वर्ग A का अधिष्ठापन -अनुज्ञप्ति जारी करने के बारे में ।

Petroleum Class A Installation at Gut No, 225/1 & 225/2(P), Village - Rahu, Taluka -Daund, Rahu Tal-
Daund, Daund, Taluka: Daund, District: PUNE, State: Maharashtra, PIN: 412207 Grant of License
regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक - दिनांक 20/03/2020 का अवलोकन करें ।

Please refer to your letter No. - dated 20/03/2020

विषयान्तर्गत अधिष्ठापन में निम्नलिखित पेट्रोलियम पदार्थों के वर्ग तथा मात्रा के भंडारण के लिए पेट्रोलियम नियम, 2002 के अधीन प्ररूप
- XV में स्वीकृत, दिनांक 31/12/2020 तक वैध अनुज्ञप्ति संख्या P/WC/MH/15/2395 (P413947) दिनांक 29/09/2020 भेजी जा रही
है ।

Licence No. P/WC/MH/15/2395 (P413947) dated 29/09/2020 granted in Form XV under the Petroleum Rules,
2002 and valid till 31/12/2020 for the storage of the following kinds and quantities of Petroleum at the subject
installation is forwarded herewith.

पेट्रोलियम का विवरण /Description of Petroleum

किलोलीटरों में अनुज्ञप्त क्षमता
/Quantity licenced in KL

| | |
|---|-----------|
| वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk | 100.00 KL |
| वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk | NIL |
| वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk | NIL |
| वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in | NIL |

bulk

वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk

NIL

वर्ग ग प्रपुंज पेट्रोलियम से भिन्ना /Petroleum Class C, otherwise than in bulk

NIL

कुल क्षमता /Total Capacity

100.00 KL

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कडाई से पालन करें और अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्ति की तारीख या उससे पूर्व इस कार्यालय को प्रेषित करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for further renewal of the licence to this office, so as to reach on or before the date on which licence expires.

यह अनुमोदन/ अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/क्लीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है ।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

((डा.विवेक कुमार)
(Dr Vivek Kumar)
विस्फोटक नियंत्रक
Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
नवी मुंबई (महा.)/Mumbai

Copy forwarded to :-

1. The Additional District Magistrate, PUNE(Maharashtra) with reference to his NOC No PSD/NOC/SR/32/2019 Dated 08/05/2019

**For Jt. Chief Controller of Explosives
Mumbai**

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

Note:-This is system generated document does not require signature.

Disclaimer : This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.



भारत सरकार /Government of India
वाणिज्य और उद्योग मंत्रालय /Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) /Petroleum & Explosives Safety Organisation (PESO)
PESO's ONLINE LICENSING SYSTEM

इमेल /E-mail : explosives@explosives.gov.in
दूरभाष /Phone/Fax No : 0712 -2510248, Fax-2510577
दिनांक/Dated : 11/12/2020

संख्या/No : P/WC/MH/15/2395(P413947)

सेवा में / To,

M/s. Shreenath Mhaskoba Sakhar Karkhana Limited,
Shreenathnagar Patethan, Post - Rahu, Tal. Daund,
Rahu,
Daund,
Taluka: Daund,
District: PUNE,
State: Maharashtra
PIN: 412207

विषय / Sub : License to import and store petroleum in an installation situated at Gut No, 225/1 & 225/2(P),
Village - Rahu, Taluka -Daund, Rahu Tal- Daund, Daund, Taluka: Daund, District: PUNE, State:
Maharashtra, PIN: 412207, Licence no. P/WC/MH/15/2395(P413947) granted in Form XV of the
Petroleum Rules, 2002 – Online Renewal of Licence regarding.

महोदय / Sir(s),

Please refer to your online renewal application filed in the PESO's online Licensing System on
11/12/2020. The license No. P/WC/MH/15/2395(P413947) granted under Petroleum Rules, 2002 has
been renewed up to 31/12/2025 and PESO's records have been updated accordingly.

The validity of the subject license can be verified by entering Dockey through the Public Domain link
available on PESO's website : <http://peso.gov.in>. You are advised to keep this communication attached
with your subject original/latest amended license issued by this organisation.

For further renewal, please submit application online on or before the date on which the subject license
expires.

***This is a system generated online letter which does not require signature and reply to this letter is
not warranted.***

PESO's ONLINE LICENSING SYSTEM

[अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्ये विवरण के लिए कृपया हमारी वेबसाइट <http://peso.gov.in> देखें]
(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

प्ररूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.) : **P/WC/MH/15/2395(P413947)**

फीस रूपए (Fee Rs.) **7500/-** per year

M/s. Shreenath Mhaskoba Sakhar Karkhana Limited, Shreenathnagar Patethan, Post - Rahu, Tal. Daund, Rahu, Daund, Taluka: Daund, District: PUNE, State: Maharashtra, PIN: 412207 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम **100.00 KL** आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या **P/WC/MH/15/2395(P413947)** तारीख **11/12/2020** जो कि इससे उपाबद्ध हैं, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to **M/s. Shreenath Mhaskoba Sakhar Karkhana Limited, Shreenathnagar Patethan, Post - Rahu, Tal. Daund, Rahu, Daund, Taluka: Daund, District: PUNE, State: Maharashtra, PIN: 412207** valid only for the importation and storage of **100.00 KL** Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No **P/WC/MH/15/2395(P413947)** dated **11/12/2020** attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December **2025** तक प्रवृत्त रहेगी।

The Licence shall remain in force till the 31st day of December **2025**

| पेट्रोलियम का विवरण /Description of Petroleum | अनुज्ञप्त मात्रा (किलोलीटरों में)
/Quantity licenced in KL |
|---|---|
| वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk | 100.00 KL |
| वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk | NIL |
| वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk | NIL |
| वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk | NIL |
| वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk | NIL |
| वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk | NIL |
| कुल क्षमता /Total Capacity | 100.00 KL |

September 29, 2020

For Jt. Chief Controller of Explosives
WC, Mumbai

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टयां संलग्न अनुमोदित नक्शों में दिखाई गई हैं **Gut No: 225/1 & 225/2(P), Village - Rahu, Taluka - Daund, Rahu Tal- Daund, Daund, Taluka: Daund, District: PUNE, State: Maharashtra, PIN: 412207** स्थान पर अवस्थित है तथा उसमें निम्नलिखित **1 Under Ground tank(s) for CLASS A** सम्मिलित है।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at **Gut No: 225/1 & 225/2(P), Village - Rahu, Taluka -Daund, Rahu Tal- Daund, Daund, Taluka: Daund, District: PUNE, State: Maharashtra, PIN: 412207** and consists of **1 Under Ground tank(s) for CLASS A** together with connected facilities.

Note:-This is system generated document does not require signature.

अनुज्ञप्ति संख्या-(Licence No.) P/WC/MH/15/2395 (P413947)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

| | | | |
|--|--|---|--|
| <p>पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का उल्लंघन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।</p> | <p>नवीकरण की तारीख
Date of
Renewal</p> | <p>समाप्ति की तारीख
Date of
Expiry of license</p> | <p>अनुज्ञापन प्राधिकारी के हस्ताक्षर और स्टाम्प
Signature and office stamp of the licencing authority.</p> |
|--|--|---|--|

This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

| | | | |
|-----|------------|------------|------------------------|
| 1). | 11/12/2020 | 31/12/2025 | License Renewed Online |
|-----|------------|------------|------------------------|

यदि अनुज्ञप्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुज्ञप्ति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुज्ञप्ति रद्द की जा सकती है और अनुज्ञप्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.

Table 2.5: Water Budget of proposed Distillery 200 KLPD distillery capacity

| WATER INPUT | Cum/day | |
|---|---------------|-------------|
| | Mode: B-Heavy | Mode: Syrup |
| Process Water for Fermentation section and CO ₂ scrubber | 1410 | 796 |
| Boiler feed water @36 TPH (capacity 40 MT/hr) | 864 | 864 |

| | | |
|---|---------------------------|--------------------------|
| Soft Water For Vacuum Pump & Others | 100 | 100 |
| For Cooling Towers make up water | 769 | 585 |
| Other Domestic Usage | 10 | 10 |
| Daily utilise washing and other | 80 | 80 |
| Total Water Input at start-up | 3233 | 2445 |
| WATER OUTPUT | | |
| Soft Water For Vacuum Pump & Others | 100 | 100 |
| Exhaust condensate | 849 | 849 |
| Process condensate + Spent lees | 1419 | 858 |
| Total water out put | 2368 | 1807 |
| WATER LOSS | | |
| CT Evaporation & Drift Losses | 769 | 585 |
| Domestic Consumption loss | 10 | 10 |
| Boiler waste water steam loss | 18 | 18 |
| Water loss in spent wash | 68 | 25 |
| Total Water loss | 865 | 638 |
| RECYCLE STREAMS | | |
| Process Condensate +Spent lees (after CPU) | 1419 | 858 |
| Steam condensate recycled to boiler | 846 | 846 |
| Soft Water For Vacuum Pump & Others cooling water | 100 | 100 |
| Water from utility and other | 40 | 40 |
| Total Recycling /Re-utilization of water per day | 2405 | 1844 |
| Total Daily Water requirement/Input = | 3233 -2405 = 828 | 2445 – 1844 = 601 |
| The fresh water requirements per lit of Alcohol including domestic water | 4.14 lit/lit of RS | 3.0 lit/lit of RS |
| Concentrated spent wash dry dryer, cum/day | 62.2 | 23.33 |

Annexure-XXIX

**Shreenath Mhaskoba Sakhar Karkhana Ltd. Shreenathnagar
Patethan, Post-Rahu, Taluka-Daund, Dist-Pune-412207 Maharashtra.**

Capital Investment on EMP

| # | Particulars | Capital Investment (Rs. in Lakhs) |
|-----|--|-----------------------------------|
| 1. | Standalone Multiple effect evaporation plant with civil work | 1440.00 |
| 2. | Spray dryer with civil work | 785.00 |
| 3. | Biogas plant with civil work | 1300.00 |
| 4. | Condensate polishing unit (CPU) | 650.00 |
| 5. | Spentwash storage tank (7 days) | 110.00 |
| 6. | Cover shade for powder storage | 100.00 |
| 7. | Fuel handling system | 45.00 |
| 8. | Ash handling system | 20.00 |
| 9. | Laboratory instrument, equipment and glassware | 10.00 |
| 10. | Online continuous emission monitoring system | 25.00 |
| 11. | Greenbelt development | 27.00 |
| 12. | Rainwater harvesting | 10.00 |
| | TOTAL | 4522.00 |

Recurring expenses on EMP

| Particulars | Amount (Lakhs) |
|--|----------------|
| Operation and maintenance of all pollution control devices, Salaries and wages, consumables, motors, pumps, pipelines, etc. 1.5% on capital investment | 223.50 |
| Maintenance of firefighting system and rain water harvesting structures | 10.00 |
| Post project environmental monitoring | 10.00 |
| TOTAL | 243.50 |



Shreenath Mhaskoba Sakhar Karkhana Ltd.

Shreenathnagar, Patethan, Post - Rahu, Tal - Daund, Dist - Pune

MAHARASHTRA POLLUTION CONTROL BOARD HAS GRANTED CONSENT AS DETAILED BELOW

CONSENT NO. - Format 1-O/CAC/UAN No. NIPCB-CONSENT-0000142525/CR/2211000894
DATE: 11/11/2022 VALID UPTO: 31/08/2025

A. EFFLUENT DISCHARGE DETAILS

| Sr. No | PARAMETERS | CONSENT QTY CM/ DAY | ACTUAL QTY CM/ DAY | DISPOSAL |
|--------|---------------------|------------------------------------|--------------------|---|
| 1 | INDUSTRIAL EFFLUENT | 416
(After volume reduction 79) | 410
79 | BIO-METHANISATION FOLLOWED BY MULTIPLE EFFECT EVAPORATION FOLLOWED BIO COMPOSTING |
| 2 | DOMESTIC | 16 | 15 | ON LAND FOR IRRIGATION |

B. AIR EMISSION DETAILS

| Sr. No | PARAMETERS | LIMIT | ACTUAL | REMARK |
|--------|------------|------------------------|--------|--------|
| 1 | SPM/TPM | 150 Mg/Nm ³ | — | — |
| 2 | | | | |

C. HAZARDOUS WASTE DETAILS

| Sr. No | CATEGORY NO. | NAME | QTY | DISPOSAL |
|--------|--------------|------|-----|----------|
| 1 | NA | NA | NA | NA |
| 2 | | | | |

D. NON- HAZARDOUS WASTE DETAILS

| Sr. No | NAME | CONSENT QTY. | ACTUAL QTY | DISPOSAL |
|--------|----------------------|--------------|------------|-------------------------------------|
| 1 | DISTILLATION RESIDUE | 2.0 T/D | 0.8 T/D | MIXED WITH COMPOST & USED AS MANURE |
| 2 | | | | |



Samsung Quad Camera
Shot with my Galaxy M31

Environmental Data Display Board-Distillery unit as per CPCB Direction



विश्व जल संरक्षण

दूरध्वनी क्र.०२०-२६१२०५०५, २६१२५०७४.
Email ID: cewrdpune@gmail.com



महाराष्ट्र शासन
जलसंपदा विभाग

महाराष्ट्र कृष्णा खोरे विकास महामंडळ, पुणे

मुख्य अभियंता (जसं), जलसंपदा विभाग, पुणे

सिंचन भवन, बारणे रस्ता, मंगळवार पेठ, पुणे- ४११०११



स्यातंत्र्याचा अमृत महोत्सव

जा.क्र.मुअ(जसं)/काअ-२/उअ-३/प्रशा-८/(०१/२०२३)/

दिनांक :

प्रति,

No - 0322

17 JAN 2023

मा.कार्यकारी संचालक,
महाराष्ट्र कृष्णा खोरे विकास महामंडळ,
पुणे

विषय : श्रीनाथ म्हस्कोबा साखर कारखाना लि., श्रीनाथनगर, पाटेठाण, पो.राहु ता.दोंड, जि.पुणे या संस्थेस भिमा नदीवरील शिवतक्रार म्हाळुंगे को.प.बंधा-यामधुन औद्योगिक (डिस्टीलरी) वापरासाठी वाढीव बिगर सिंचन पाणी आरक्षण प्रस्ताव मंजूरीसाठी सादर करणेबाबत...

- संदर्भ :
- १) शासन निर्णय क्रमांक संकीर्ण २०१५/(४४/१५)/सिंच्य(धो), दि.१७.११.२०१६
 - २) शासन निर्णय क्रमांक संकीर्ण २०१८/(५११/१८)/सिंच्य(धो), दि.०१.१२.२०१८
 - ३) मुख्य अभियंता(जसं), जलसंपदा विभाग, पुणे यांचे ज्ञापन जा.क्र. मुअ/काअ-२/सिंचन/प्रशा-८/५५२३ दि.२०.०९.२०१४
 - ४) अधीक्षक अभियंता, पुणे पाटबंधारे मंडळ, पुणे यांचे पत्र जा.क्र.पुपामं/प्रशा-३/बिगर सिंचन/३६१, दि.१३.०१.२०२३

उपरोक्त विषयी संदर्भीय पत्र क्र.१ नुसार, शासनाने 'महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण अधिनियम २००५' मधील कलम १६ (क) तरतुदीनुसार पिण्यासाठी १५% व औद्योगिकसाठी १०% व सिंचनासाठी ७५% याप्रमाणे पाण्याचे क्षेत्रीय वाटप निर्धारित केले आहे.

त्यानुसार, श्रीनाथ म्हस्कोबा साखर कारखाना लि., श्रीनाथनगर, पाटेठाण, पो.राहु ता.दोंड, जि.पुणे या संस्थेच्या मौ.राहु येथील गट क्रमांक २२५/२ मधील १.८७ हे. क्षेत्रावरील कारखान्याच्या "डिस्टीलरी (इथेनॉल)" प्रयोजनाकरीता शिवतक्रार म्हाळुंगे को.प.बंधारा प्रकल्पातून बिगर सिंचन आरक्षणाचा प्रस्ताव अधीक्षक अभियंता, पुणे पाटबंधारे मंडळ, पुणे यांनी संदर्भीय पत्र क्र.३ अन्वये प्रदेश कार्यालयास सादर केला आहे. सदर प्रस्तावाची सविस्तर माहिती खालीलप्रमाणे सादर करण्यांत येत आहे.

- १) सदर योजनेचा स्रोत भीमा नदीवरील शिवतक्रार म्हाळुंगे को.प.बंधारा असून उदभव शिवतक्रार म्हाळुंगे गावाजवळून पाणी उचलण्याचे मागणी प्रस्तावीत केली आहे. त्याप्रमाणे संस्थेची एकुण मागणी खालीलप्रमाणे केली आहे.

| अ.क्र. | प्रयोजन | एकुण मागणी | मंजूर आरक्षण | उर्वरित मागणी |
|--------|----------------------|------------|--------------|---------------|
| १ | घरगुती | ०.१०० | ०.१०० | ०.००० |
| २ | औद्योगिक (डिस्टीलरी) | ०.३११ | ०.०६० | ०.२५१ |
| | एकुण | ०.४११ | ०.१६० | ०.२५१ |

- २) शिवतक्रार म्हाळुंगे को.प.बंधारा प्रकल्पाचा उपयुक्त पाणीसाठा ४.१२ दलघमी व एकुण वार्षिक पाणीवापर ६.२३ दलघमी आहे. त्यानुसार आतापर्यंत सदर प्रकल्पातून मंजूर व प्रस्तावित असलेल्या बिगर सिंचन आरक्षणाचा तपशील खालीलप्रमाणे आहे.

| अ. क्र. | तपशील | सिंचन | बिगर सिंचन | एकुण | सिंचन क्षेत्र (हेक्टर) |
|---------|--|---------------|---------------|---------------|------------------------|
| अ) | प्रकल्पीय तरतूद | ६.२३ | ०.००० | ६.२३ | १५२८ |
| ब) | क्षेत्रीय वाटप मर्यादा (१५% व १०%) | ०.९३५ | ०.६२३ | १.५५८ | |
| क) | मंजूर / प्रस्तावीत आरक्षणाचा तपशील | पिण्यासाठी | औद्योगिक | एकुण | सिंचन क्षेत्र कपात |
| १ | यापुर्वीच्या मंजूर योजना | ०.१०० | ०.०६० | ०.१६० | ३९.२४ |
| २ | मंजूरीस सादर योजना | ०.००० | ०.००० | ०.००० | ०.००० |
| ३ | प्रस्तुत प्रस्तावाची मागणी | ०.००० | ०.२५१ | ०.२५१ | ६१.५६ |
| | एकुण- बिगर सिंचनासाठी वर्ग होणारा पाणीसाठा | ०.१०० (१.६१%) | ०.३११ (४.९९%) | ०.४११ (६.६०%) | १००.८० (६.६०) |

३) सदर संस्थेची औद्योगिक पाणीवापराच्या डिस्टीलरी उत्पादनासाठी महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण यांचे आदेश ९/२०१७ दि.२२.०९.२०१७ नुसार १००० लिटर अल्कोहोल उत्पादनासाठी १५ घनमीटर निकष प्रस्तावित आहेत. त्यानुसार, डिस्टीलरी २०० KLPD क्षमतेसाठी २७० दिवसाकरीता वार्षिक ०.८१०० दलघमीची मागणी येत आहे.

परंतु, संस्थेची मे. वसंतदादा शुगर इस्टिट्यूट यांच्या माहे जून २०२२ मधील अहवालामधील Table २.५ Water Budget नुसार एकुण मागणी ३२३३ घमी/दिन व पुनर्वापर २४०५ घमी/दिन याप्रमाणे दि.१७.१०.२०२२ च्या पत्राद्वारे केलेली आहे (सोबत प्रत)

४) त्यानुसार, संस्थेची औद्योगिक पाणी वापरासाठी एकुण मागणी ०.८७२९ दलघमी इतकी येत असून त्यामध्ये १०% वहनतुट गृहित धरून एकुण ०.९६० दलघमी व त्यामधून संस्थेच्या अहवालानुसार ०.६४९ दलघमी पाण्याचे पुनर्वापर वगळून एकुण ०.३११ दलघमी इतकी येत आहे. तसेच संस्थेचे यापुर्वी संदर्भीय पत्र क्र.३ अन्वये औद्योगिक कारणासाठी मंजूर असल्याने ०.०६० दलघमी वजा जाता उर्वरित वाढीव आरक्षण ०.२५१ दलघमी इतके येत आहे

५) सदर प्रकल्पाची प्रकल्पस्थळी जलनिष्पत्ती ५० टक्के विश्वासाहर्तेनुसार ६.२३ दलघमी व ९५ टक्के विश्वासाहर्तेनुसार ४.१२ दलघमी असून प्रकल्पीय उपयुक्त पाणीसाठा ४.१२ दलघमी आहे. प्रकल्प अहवालानुसार सिंचनासाठी ६.२३ दलघमी तरतुद असून बिगर सिंचनासाठी प्रकल्पीय अहवालात तरतुद निरंक आहे.

६) सदर प्रस्तावापूर्वी पिण्यासाठी ०.१०० दलघमी व औद्योगिक वापरासाठी ०.०६० दलघमी असे एकुण ०.१६० दलघमी बिगर सिंचन आरक्षण मंजूरी देण्यांत आली आहे. शासनाकडे/महामंडळाकडे मंजूरीसाठी सादर केलेले प्रस्ताव निरंक असून प्रस्तावीत मागणी ०.२५१ दलघमी मुळे एकुण बिगर सिंचनासाठी वर्ग होणारा पाणीसाठा ०.४११ दलघमी (६.६०%) इतका होत आहे.

७) सदर प्रकल्पाची सिंचन क्षमता १५२८ हे. असून त्यापैकी आतापर्यंतच्या मंजूर बिगरसिंचन आरक्षणामुळे ३९.२४ हे. सिंचन कपात झाली आहे. शासनाकडे/ महामंडळाकडे मंजूरीसाठी सादर केलेल्या प्रस्तावापोटी निरंक असून प्रस्तावित मागणीमुळे ६१.५६ हे. अशी एकुण सिंचन कपात १००.८० (६.६०%) हे. इतकी होणार आहे. आता उपलब्ध होणारी उर्वरित सिंचन क्षमता १४२७.२० हे. इतकी आहे. तसेच सदर कोप बंधा-यावरून सिंचनाकरीता १४२०.५७ हे. इतक्या परवानग्या देण्यांत आलेल्या आहेत.

८) शासन निर्णयानुसार सिंचन पुनर्स्थापनेचा खर्च व महागाई निर्देशांक गृहित धरून सिंचन कपात ६१.५६ हे. x २.२३ लक्ष / हेक्टर प्रमाणे रु.१३७.२८ लक्ष इतके येत आहे. तसेच सदर सिंचन पुनर्स्थापणा खर्च करारनामा करते वेळी असलेल्या भाववाढ निर्देशाप्रमाणे भरणे बंधनकारक आहे. तसेच संस्थेने सिंचन पुनर्स्थापनेचा खर्च, इलेक्ट्रॉनिक जलमापन यंत्र शासन नियमाप्रमाणे पाणीपट्टी भरणे व साठवण टाकी बांधणेस तयार असलेबाबत हमीपत्र सादर केलेले आहे.

९) ई-जलसेवा प्रणाली कार्यान्वीत नसल्याने सदरच्या प्रस्तावाबाबतच्या ई-जलसेवा प्रिंट जोडण्यांत आली नाही.

१०) बिगर सिंचन प्रस्ताव खालील अटींच्या अधीन राहून मंजूरीसाठी सादर करण्यांत येत आहे.

- महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण मुंबई यांचे घरगुती व औद्योगिक पाणीवापराचे निकष आदेश ०९/२०१७ पत्र जा.क्र.मजनिप्रा/२०१७/मसुदा मापदंड/अधिकार/४११, दि.२२.०९.२०१७ मधील सर्व अटी व शर्ती सदर संस्थेस लागू राहातील.
- महाराष्ट्र जलसंपत्ती नियमन प्राधिकरण मुंबई यांचे पत्र जा.क्र.मजनिप्रा/२०२२/तोजप्रआ/२०२२/२१२, दि.३०.३.२०२२ मधील घरगुती व औद्योगिक प्रयोजनार्थ वापरल्या जाणा-या ठोक जलदराप्रमाणे पाणीपट्टी भरणे बंधनकारक राहिल.
- बिगर सिंचन पाणी आरक्षण मंजूर झाल्यावर सांडपाण्यावर प्रक्रिया करणारी व पुनर्वापर यंत्रणेचा आराखडा महाराष्ट्र प्रदुषण नियंत्रण मंडळाकडून मंजूर करून घेवून जलसंपदा विभागास सादर करणे बंधनकारक असेल.
- संस्थेस महाराष्ट्र प्रदुषण नियंत्रण मंडळाने निर्धारित केलेल्या मापदंडाप्रमाणे सांडपाण्यावर प्रक्रिया करून कमीत कमी ३० टक्के प्रक्रिया केलेल्या सांडपाण्याचा पुनर्वापर करणे बंधनकारक राहिल व Rain Water Harvesting करणे संस्थेस बंधनकारक असेल.
- भविष्यामध्ये वॉटर मीटर प्रमाणे आकारणी करतांना वहनव्ययासह आकारणी करावी अशी अट करारनाम्यामध्ये घालणे आवश्यक आहे.
- प्रस्तावित असलेल्या जमिनीच्या मालकी हक्काची व योजनेची पाईपलाईन करण्याकरीता व जॅकवेल, इनटेक वेलसाठी लागणा-या जमिनीची व्यवस्था करणे ही संस्थेची जबाबदारी असेल.
- बांधकाम पूर्ण होऊन पूर्णत्वाचा दाखला देईपर्यंत औद्योगिक दराने व बांधकाम पूर्ण झालेनंतर घरगुती दराने पाणीपट्टी आकारणी करण्यांत येईल.
- महाराष्ट्र प्रदुषण नियंत्रण मंडळाचे Consent to Establishment & Consent to operate प्रमाणपत्र वेळोवेळी प्राप्त करून घेऊन सादर करणे आवश्यक आहे.
- शासनाचे प्रचलित नियमाप्रमाणे पाणीपट्टी भरणे, पाणीवापर सुरु करण्यापूर्वी पाणीवापराचे मोजमापासाठी SCADA based Ultra Sonic Flow Meter बसविणे बंधनकारक आहे.
- आरक्षण मंजूर झाल्यानंतर सिंचन पुनर्स्थापना खर्च शासनाच्या प्रचलित नियमाप्रमाणे भरणे करून बिगर सिंचन करारनामा करणे बंधनकारक आहे.
- संस्थेने/कंपनीने पाणी साठविण्यासाठी साठवण तलाव शासनाच्या प्रचलित नियमाप्रमाणे बांधणे बंधनकारक असेल.

तरी, श्रीनाथ म्हस्कोबा साखर कारखाना लि., श्रीनाथनगर, पाटेठाण, पो.राहु ता.दोंड, जि.पुणे या संस्थेचा औद्योगिक (डिस्टीलरी) प्रयोजनाकरीता शिवतक्रार म्हाळुंगे को.प.बंधारा प्रकल्पातून वाढीव बिगर सिंचन आरक्षणाचा प्रस्ताव शासन निर्णय क्रमांक संकीर्ण २०१५/(४४/१५)/सिंव्य(धो), दि.१७.११.२०१६ व दि.१.१२.२०१८ च्या अधीन राहून मंजूरीसाठी सोबत सादर करण्यांत येत आहे.

हे आपल्या माहितीसाठी व पुढील कार्यवाहीसाठी सविनय सादर

सोबत : मुळ प्रस्ताव धारिका-१

प्रत : अधीक्षक अभियंता, पुणे पाटबंधारे मंडळ, पुणे यांना संदर्भपत्रानुसार माहितीसाठी

(ह.वि. गुणाले)

मुख्य अभियंता (जसं),

जलसंपदा विभाग, पुणे

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