

COMPLIANCE REPORT

For:

“3 KLPD (10%) Cellulosic non food Biomass (Agri waste) based modular Demo Pilot Plant for R&D purpose within the premises of existing 30 KLPD Molasses Distillery at Patethan, Post: Rahu, Tahsil: Daund, District: Pune, Maharashtra by M/s Shreenath Mhaskoba Sakhar Karkhana Ltd.”



File No: J-11011/189/2016-IA.II(I)

Proposal No: IA/MH/IND2/59639/2016

**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, Tal: Daund, Dist: Pune, Maharashtra



Shreenath Mhaskoba Sakhar Karkhana Ltd.

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

SMSKL/Dist. R & D/1206/2021-22

Date: 21.08.2021

To,
Additional Principal Chief Conservator of Forests (C),
Ministry of Environment and Forest, Climate Change,
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) "**3 KLPD (10%) Cellulosic nonfood Biomass (Agri waste) based modular Demo Pilot Plant for R&D purpose** within the premises of existing **30 KLPD Molasses Distillery** at Patethan, Post: Rahu, Tahsil: Daund, District: Pune, Maharashtra by **M/s Shreenath Mhaskoba Sakhar Karkhana Ltd.**"

Reference:

- (i) Proposal No: IA/MH/IND2/59639/2016 dated 09" November 2016
- (ii) File No: J-11011/189/2016-1A.1I (I), Dated.11th May, 2017.

Dear Sir,

With reference to the subject above, Find enclosed herewith the half yearly compliance report in hard and soft copies for period of **January 2021 to June 2021** .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,

R. N. Yadav
General Manager (Tech.)





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



Specific Conditions:		
Sr. No.	Compliance Condition	Compliance Status
i.	No additional boiler shall be used for the proposed demonstration plant.	Complied, No additional boiler has been installed at the new 3 KLPD demo plant site. <i>(Refer: Annexure I: Block Diagram and Annexure II: Plant layout)</i>
ii	Total fresh water requirement shall not exceed 300 m ³ /day from Bhima River and prior permission shall be obtained from the concerned agency.	Complied, The Permission for the same has been obtained from Water Resources Department (Govt. of Maharashtra) <i>(Refer Annexure-III. Water Permission)</i>
iii	Spent wash generated from proposed unit will be treated in new ETP in which it will be passed through solid – Liquid separation followed by biomethanation unit and RO. RO reject will be sent to existing compost yard, whereas sludge produce from existing distillery will be used as fertilizer after composting.	Complied, The Plant has been constructed as per the said designs.
		
	<p style="text-align: center;">Photograph: Filter Press</p>	<p style="text-align: center;">Photograph: RO System</p>
		
	<p style="text-align: center;">Photograph: Bio Gas Plant</p>	<p style="text-align: center;">Photograph: Biogas Flare Unit</p>

	 <p style="text-align: center;">Photograph: Compost Yard</p>	 <p style="text-align: center;">Photograph: Compost Yard</p>
iv	<p>As proposed, no effluent from distillery shall be discharged outside the plant premises and zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.</p>	<p>Complied, The ETP installed has Solid Liquid Separation system, Biomethanation system and Reverse Osmosis systems.</p> <p>The RO water is recycled for cooling tower water make up. The RO reject is sent to bio composting yard. Thus the applied scheme achieves Zero Liquid Discharge.</p> <p>There is no additional discharge of effluents as such, the generated effluents are treated and recycled at ETP facility of the existing plant to achieve the zero liquid discharge.</p>
v	<p>Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed 5 days capacity.</p>	<p>Complied, The spent wash is sent directly to the ETP.</p>
vi	<p>Process effluent/ any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.</p>	<p>Complied, The process effluent is treated in the ETP. Storm water will be passed to pit and gutter.</p>
	 <p style="text-align: center;">Photograph: Storm Water line connected to storm water chamber.</p>	 <p style="text-align: center;">Photograph: Storm Water chamber connected to gutter covered with Concrete lids.</p>
vii	<p>Occupational health surveillance programmer shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the regular medical test records of each employee shall be maintained separately.</p>	<p>Complied, All kind of PPE (Personal Protective Equipments) are provided to the workers. Regular medical test records of each employee are maintained.</p>

	 <p>Photograph: Labours with PPE (Helmet, Hand gloves, Safety shoes, Face mask)</p>	 <p>Photograph: Medical health check up campaign</p>
	 <p>Photograph: Medical Dispensary Banner at the SMSKL Premises</p>	 <p>Photograph: Patient consulting with Doctor</p>
<p>Viii</p>	<p>Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.</p>	<p>Adequate parking Facility has been provided as required.</p>
	 <p>Photograph: Parking Area provided at the plant.</p>	
<p>Ix</p>	<p>Automatic/ online monitoring system (24 * 7 monitoring devices) for flow measurement and relevant pollutant in the treatment system to be installed. The data to be made available to the respective SPCB and in the company's website.</p>	<p>Complied</p>

	 <p>Photograph: Automatic CEM device board.</p>	 <p>Photograph: Automatic CEM device board</p>
X	The unit shall adhere to zero liquid Discharge (ZLD).	Agreed
B General Conditions:		
i	The project authorities must strictly adhere to the stipulations made by the Maharashtra pollution Control Board, State Government and any other statutory authority.	SMSKL has obtained the CTO (Consent to Operate) <i>(Refer Annexure IV: CTO from MPCB).</i>
ii	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Changes. In case of deviations or alternations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measure required, if any.	No expansion or modification is proposed in the 3 KLPD demo pilot plant
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated.	Agreed <i>(Refer Annexure V: Monitoring Report).</i>
iv	The National Ambient Air Quality Emission Standard issued by the Ministry vides G.S.R. No.826 (E) dated 16 th November, 2009 shall be followed.	Agreed
v	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all sources of noise generations. The ambient noise levels shall conform to the standards prescribed under Environment (protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agreed, All the motors, pumps noise levels are within permissible limits. The DG sets noise level is within permissible limits. The noise levels at the plant are within permissible limits.

	 <p style="text-align: center;">Photograph: DG Set with acoustic enclosure</p>	
vi.	<p>The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharges the ground water and uses the same water for the process activities of the project to conserve fresh water.</p>	<p>Agreed.</p>
vii.	<p>Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training for all employees on handling of chemicals shall be imparted.</p>	<p>Agreed, The workers are provided with safety training skills on time to time .</p>
	 <p style="text-align: center;">Photograph: Safety Training</p>	 <p style="text-align: center;">Photograph: Safety Training</p>
viii.	<p>The company shall also 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 measure relating to the project shall be implemented.</p>	<p>Complied, All the safety measures will be implemented from time to time. A full-fledged fire fighting system has been installed.</p>
	 <p style="text-align: center;">Photograph: Fire Fighting Systems</p>	 <p style="text-align: center;">Photograph: Fire Fighting Systems</p>

	 <p style="text-align: center;">Photograph: Fire Fighting Systems</p>	 <p style="text-align: center;">Photograph: Fire Fighting Systems</p>
ix.	<p>The company shall undertake all relevant measure for improving the socioeconomic conditions of the surrounding area. CSR activities shall be undertaken by involving local village and administration.</p>	<p>The Corporate Social Responsibilities (CSR) activities are practiced regularly <i>(Refer Annexure VI: CSR Activity Report).</i></p>
x.	<p>The company shall undertake eco-development measure including community welfare measure in the project area for the overall improvement of the environment.</p>	<p>Agreed <i>(Refer Annexure VI: CSR Activity Report).</i></p>
xi.	<p>A separate Environmental Management Cell equipped with fill fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.</p>	<p>SMSKL conducts environmental monitoring regularly. The sample testing contract is given to NABL accredited laboratory.</p>
xii.	<p>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 changes 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 measure shall not be diverted for any other purpose.</p>	<p>Complied.</p>
xiii.	<p>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.</p>	<p>Complied.</p>
xiv.	<p>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 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 reports shall be posted on the website of the company.</p>	<p>Complied, SMSKL will regularly submit the environmental clearance compliance report to Head and Regional office of MoEF&CC and MPCB.</p>
xv.	<p>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.</p>	<p>Complied. <i>(Refer Annexure -VII)</i></p>

xvi.	<p>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 at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspaper 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.</p>	<p>Complied.</p> <p>(Refer Annexure VIII)</p> <p>EC Letter: environmental clearance on website.pdf</p> <p>Published Advertisements: Advertisements on website.pdf</p>
xvii.	<p>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.</p>	<p>Agreed, Existing CTO was valid till 31.08.2022.</p> <p>The first EC conditions compliance report was submitted to MoEF&CC (Nagpur) in November 2017.</p>

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Monitoring Report - Data Sheet

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- 21/08/2021

No.	Point	Description
01	Project Type: River-Valley/Mining/Industry/Thermal/Nuclear/ other (Specify)	5(g): Distillery
02	Name of the Project	Installation of New 3KLPD (10%) Cellulosic nonfood biomass (Agri waste) based modular Demo Pilot Plant within the premises of existing 30 KLPD molasses based distillery of Shreenath Mhaskoba Sakhar Karkhana Ltd
03	Clearance letter (s)/OM No. and date	J-11011/189/2016-IA II(I), Dated.11 th May,2017
04	Location a) District (s) b) State (s) c) Latitude d) Longitude	Pune Maharashtra 18°36'16.08"N 74°13'49.87"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 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 Email: smsklsite@shreenathsugar.com Mr. R S Shewale(Distillery Manager) Shreenathnagar, Patethan, Post. Rahu, Tal. Daund, District Pune 412207, FAX: 011-43850261. Email: dm@shreenathsugar.com
06	Salient Features a) of the Project b) of the Environment management plans	<ul style="list-style-type: none">• Capacity : 3 KLPD• Raw Material: Non Food Process residues like Bagasse / Agricultural residues like Corn Cobs, Rice Straws etc.• Batch Mode Operated (only 3 or 5 days / month)• Zero effluent discharge project

No.	Point	Description
07	Break up of the project area a) Submergence area: Forest & non-forest b) Others	Area required for Installation of new plant: 8,094 Sqm (2 acres) in existing premises
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 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	Total Capital Cost: 3060 Lakhs rupees EMP Budget : 636 Lakhs rupees -

No.	Point	Description
	e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the Environment management plans so far.	
10	Forest Land Requirement: a) The status of approval for diversion of forest land for non – forestry use b) The status of clearing felling c) The status of compensatory afforestation, if any d) Comments on the viability & sustainability of Compensatory afforestation programme in the light of actual field experience so far.	Not Applicable because Total land covered under non forest area
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information required.	Not Applicable because proposed expansion was done within the existing plant premises.
12	Status of Construction a) Date of commencement (Actual and/or planned) b) Date of completion (Actual and/or planned)	Construction work is completed
13	Reasons for the delay if the Project is yet to start.	Project has been developed/constructed as per the time schedule.
14	Dates of site visits a) The dates on which the project was monitored by the Regional office on previous occasions, if any: b) Date of site visit for this monitoring report:	---