

To,  
**The Zonal Officer**  
Central Pollution Control Board,  
Baner, Pune, Maharashtra 411045

**Subject: -** Submission of Environmental Clearance compliance Report (January 2024 to June-2024) for Proposed Expansion of distillery capacity from 300 KLPD to 600 KLPD for production of ethanol at Shetphalgade, Tehsil- Indapur, district Pune, Maharashtra, by M/s Baramati Agro Limited (Unit-1)

**Reference: -**

1. Environmental Clearance received for Proposed Expansion of distillery capacity from 300 KLPD to 600 KLPD for production of ethanol at Shetphalgade, Tehsil- Indapur, district Pune, Maharashtra by Baramati Argo Limited (Unit-1) having Environmental clearance identification No.EC22A022MH197089 and J-11011/106/2016-IA-II(I) dated 28/11/2022.
2. Environment Clearance from MoEF&CC Vide File. No. IA-J-11011/106/2016-IA-II(I) dated. 26/08/2021
3. Environment Clearance from MoEF&CC Vide File. No. J-11011/106/2016-IA-II (I) dated 20<sup>th</sup> March 2017

Respected Sir,

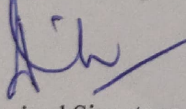
With reference to the above subject, we are submitting the current Status of our project, monitoring reports, data sheet and point wise compliance status to various stipulation laid down by the Ministry of Environment and Forest in its clearance letter No. File. No. J-11011/106/2016-IA-II(I) dated 28/11/2022 along with the necessary enclosure and annexure.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

For **Baramati Argo Limited (Unit-1)**

  
Authorized Signatory.

**Encl.:**

- Part A: Data Sheet  
Part B: Current Status of Work  
Part C: Point wise compliance status  
Part D: Annexures

**Baramati Agro Limited**

बारामती अग्रो लिमिटेड

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## PART A

### DATA SHEET

Monitoring the Implementation of Environmental Safeguards  
Ministry of Environment, Forest and Climate Change  
Western Region, Regional Office, Nagpur

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Industry
2.	Name of the project	:	Amendment in Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by M/s. Baramati Agro Limited Unit 1
3.	Clearance letter (s) / OM No. and Date	:	<p>Environmental Clearance received for Expansion of Sugar unit (4500 TCD to 12000 TCD), Cogeneration Power Plant (20 MW to 70 MW) and Distillery Unit (60 KLPD to 160 KLPD) Vide F. No. J-11011/106/2016-IA-II (I) dated 20<sup>th</sup> March, 2017</p> <p>Amendment in Environmental Clearance received for Expansion of Sugar unit, Cogeneration Power Plant and Distillery Unit Vide F. No. J-11011/106/2016-IA II (I) dated 28<sup>th</sup> September, 2018</p> <p>Environmental Clearance received for Expansion of Sugarcane crushing capacity from 12000 TCD to 18000 TCD and molasses-based distillery from 160 KLPD to Multi-feed (B heavy, Cane Juice, Grains) based 300 KLPD distillery unit for proposal No. IA/MH/IND2/197038/2016 Vide File No. IA-J-11011/106/2016-IA-II (I) dated 26<sup>th</sup> August 2021</p>

**Baramati Agro Limited (Unit-1)**

			Environmental Clearance received for Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit 1 having environmental clearance identification No. EC22A022MH197089 and File No. J-11011/106/2016-IA-II(I) dated 28/11/2022  Amendment in a Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit-1. PUNE, MAHARASHTRA Baramati Agro Limited Unit 1 having environmental clearance identification No. EC23C2503MH5293857A and File No. J-11011/106/2016-IA-II(I) dated 08/08/2023
4.	Location		:
	a.	District (S)	: Pune
	b.	State (s)	: Maharashtra
	c.	Latitude/ Longitude	: 18°16'14.07"N, 74°40'25.53"E
5.	Address for correspondence		:
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers)	: Shri. Prakash Jathar COO, M/s Baramati Agro Limited (Unit-1) A/P Shetphalgade, Tehsil Indapur, District Pune, Maharashtra- 413130 Phone No: 02112 663211
	b.	Address of Project: Engineer/Manager (with pin code/ Fax numbers)	
6.	Salient features		:
	a.	of the project	: The industry consisting of sugar unit, Multifeed based distillery and co-generation power plant.
	b.	of the environmental management plans	:

**Baramati Agro Limited (Unit-1)**

			Air Environment:																																
			Sr. No.	Stack Attached to	Type of Fuel	Height in meters	APC Equipment																												
			Distillery Unit																																
			1	1*10 TPH	Biogas + bagasse	40	Wet scrubber																												
			3	32 TPH Incinerator boiler	Concentrated spentwash + Coal / Bagasse	70	ESP																												
			4	DG Set 1*500 KVA	HSD	6	Acoustic enclosure																												
			5	DG Set 1*45 TPH Incinerator Boiler	Concentrated spentwash + Coal / Bagasse	81	ESP																												
			Wastewater generation and its treatment technologyDistillery unit																																
<table><tr><th>SR. No.</th><th>Purpose</th><th colspan="3">Wastewater Generation in MTD</th><th>Remark</th></tr><tr><td colspan="6">Domestic</td></tr><tr><td>1</td><td>Domestic</td><td>8</td><td>8</td><td>8</td><td>To proposed STP and use for tree plantation.</td></tr><tr><td colspan="6">INDUSTRIAL</td></tr><tr><td>1</td><td>Process</td><td></td><td></td><td></td><td></td></tr></table>						SR. No.	Purpose	Wastewater Generation in MTD			Remark	Domestic						1	Domestic	8	8	8	To proposed STP and use for tree plantation.	INDUSTRIAL						1	Process				
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1	Process																																		





				3	Incinerator boiler ash (MT/D)					
					C Molasses	69	122	191	Given as potash-rich manure to farmers	
					B Heavy Molasses	66.5	94.6	161.1		
					Sugarcane Juice/Syrup	65.2	92.9	158.1		
				Other Solid Wastes						
				1.	Paper waste (Kg/Month)	50	40	90	Manually collected and stored in a designated area and sold to scrap vendors	
				3.	Colony - Solid waste					
					Non-Biodegradable (MT/Month)	0.3	0.2	0.5	Manually collected and sold to scrap vendors	
					Bio-degradable (MT/M)	0.5	0.5	1.0	Used in Composting	
				Hazardous waste- There is no any generation of hazardous waste from distillery division.						
Rain water harvesting:										
The rainwater harvesting system is installed at various buildings and about 23870.00 sq. m of area. 10340.15 m3 water is harvested										
Green belt development:										
Total plot area of the industry is 47.76 Hectares, out of which 17.00 Hectares of land is reserved for greenbelt development.										

**Baramati Agro Limited (Unit-1)**

7.	Breakup of the project area	:							
	a.	Submergence area forest & non-forest	:	Project is located in non-Forest area					
	b.	Others	:		<b>Sr. No.</b>	<b>Description</b>	<b>Area in Sq. m</b>	<b>% of Area</b>	
					<b>A</b>	<b>Total Plot area</b>	<b>477600.00</b>		
					1	Area under MDR Road	1860.00		
					2	Area under road widening	3210.00		
					<b>B</b>	<b>Net plot area</b>	<b>472530.00</b>	<b>100</b>	
					1	Built Up	<b>Existing</b> 34803.0 <b>Proposed</b> 8874.0	43677.00	9.24
					2	Area under utilities	85295.00	18.05	
					3	Area under road	39983.00	8.46	
					4	Green Belt Area	170000.00	35.98	
					5	Parking Area	71120.00	15.05	
					6	Open space for future expansion	58761.00	12.44	
8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers /artisan	:	NA						
	a.	SC, ST/Adivasis	:	NA					
	b.	Others	:	NA					

**Baramati Agro Limited (Unit-1)**

		(Please indicate whether these Figures are based on any scientific and systematic survey carried out or only provisional figures, if a Survey is carried out give details and years of survey)																												
9.	Financial details	:																												
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference:																												
	1.	Estimated Cost of the Project	:	200 Crores																										
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	<table> <tr> <th>Sr. No.</th><th>Component</th><th>Particulars</th><th>Capital investment in Lakhs</th><th>Recurring Cost in Lakhs</th></tr> <tr> <td>1</td><td>Air</td><td>Incineration boiler Construction of new stack for boiler and ESP</td><td>500</td><td>30</td></tr> <tr> <td>2</td><td>Water</td><td> <ul style="list-style-type: none"> <li>Upgradation of Distillery CPU.</li> <li>MEE &amp; 1*45 TPH Incinerator boiler for Distillery</li> </ul> </td><td>6000</td><td>180</td></tr> <tr> <td>3</td><td>Noise</td><td>Acoustic enclosures, Silencer pads, ear plugs etc.</td><td>20</td><td>3</td></tr> <tr> <td rowspan="2">4</td><td rowspan="2">Environment monitoring and Management</td><td>Monthly Environment Monitoring (Per Year)</td><td rowspan="2">--</td><td rowspan="2">5</td></tr> <tr> <td>Ambient air monitoring PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub></td></tr> </table>	Sr. No.	Component	Particulars	Capital investment in Lakhs	Recurring Cost in Lakhs	1	Air	Incineration boiler Construction of new stack for boiler and ESP	500	30	2	Water	<ul style="list-style-type: none"> <li>Upgradation of Distillery CPU.</li> <li>MEE &amp; 1*45 TPH Incinerator boiler for Distillery</li> </ul>	6000	180	3	Noise	Acoustic enclosures, Silencer pads, ear plugs etc.	20	3	4	Environment monitoring and Management	Monthly Environment Monitoring (Per Year)	--	5	Ambient air monitoring PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub>
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						Boiler & DG Set Monitoring	TPM, SO <sub>2</sub> , Nox		
						Effluent (Treated & Untreated)	pH, COD, BOD, TSS, TDS, Oil & Grease		
				5	Occupational Health	Glases, Breathing Masks, Gloves, Boots, Helmets, Ear Plugs etc. & annual health-medical checkup of workers, Occupational Health (training, OH center)		100	10
				6	Greenbelt	Green belt development activity		28	5.0
				7	Solid Waste Management	Solid Waste Management		30	3.0
				8	Rain water harvesting	Rain water harvesting		--	2
				9	Storm water drainage	Storm water drainage design and construction		35	3
				9	Solar Power & Energy Conservation	Street lights installation with Solar Systems		30	3
				10	Fire and Safety	Fire and Safety Management		60	3
				11	Laboratory	Testing and Analysis		10	2
				<b>Total Cost (In Lakhs)</b>				<b>6813</b>	<b>249</b>
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	NA					
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	NA					

***Baramati Agro Limited (Unit-1)***

	e.	Actual expenditure incurred on the project so far	:	94 crores
	f.	Actual expenditure incurred on the environmental management plans so far	:	41.44 crore
10.		Forest land requirement	:	Not Applicable
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory afforestation, if any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable

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11.	The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information		:	Not Applicable			
12.	Status of construction			<b>Sr. No.</b>	<b>Description</b>	<b>Capacity as per EC</b>	<b>Status of work</b>
				1	Expansion of distillery unit	300 to 600 KLPD	COMPLETED
	a.	Date of commencement (Actual and/or planned)	:	November 2022			
	b.	Date of completion (Actual and/or planned)	:	April 2023			
13.	Reasons for the delay if the Project is yet to start		:	Not Applicable			
14	Dates of site visits						
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	NA			

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	b.	Date of site visit for this monitoring report	:	25.02.2022
15.		Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)	:	NA
		(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)	:	NA



**PART B**  
**CURRENT STATUS**

<b>Sr. No.</b>	<b>Description</b>	<b>Capacity as per EC</b>	<b>Status of work</b>
1	Distillery Unit	300 KLPD to 600 KLPD	COMPLETED

**Production Details**

<b>Sr. No.</b>	<b>Description</b>	<b>Unit</b>	<b>EC quantity</b>	<b>Consent to Operate quantity</b>	<b>Actual production qty in during the previous financial year 2023-2024</b>	
					<b>Per Day</b>	<b>Per Annum</b>
1.	Sugar Unit	TCD	18000	18000	14963	2154794
2.	Co-generation Power by distillery	MW	8.0	8.0	-	-
3.	Co-generation Power by Sugar	MW	70	70	39.70	944987.08
3.	Distillery Production	KLPD	600	600	363.84	130983
6.	Fermentation Unit (Carbon dioxide)	TPD	460	460	32	10620
7.	Incineration Ash	TPD	191	191	113	37198

**PART C****ENVIRONMENTAL CLEARANCE CONDITIONS AND COMPLIANCE**

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance</b>
<b>Specific Conditions:</b>		
(i)	As per the Notification S.O. 2339(E), dated 16th June, 2021, project falls in category B2 and the expansion of 300 KLPD shall only be used for fuelethanol 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.	Agreed and We will follow.  Affidavit from PP is attached as <b>Annexure 8</b>
(ii)	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  Following measures are taken: 1. Spent wash is treated in MEE followed by incineration Boiler 2. ESP is provided to the incineration <del>box</del>
(iii)	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. CLU certificate shall be obtained before start of construction activities.	Not applicable, as there is no change of land use.
(iv)	Total Fresh water requirement shall not exceed 2093 CMD of ethanol production which will be met from Khadakwasala and Ujani Dam. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.	Freshwater requirement will not exceed above 2093 CMD for which withdrawal permission has been obtained from NOC has been obtained by Branch Officer Bhima Lift Irrigation, Palasdev vide letter no. 595 dated 01.02.2022 and validity 31.01.2027 for Ujani water permission and NOC has been obtained by Executive Engineer Khadakwasala Irrigation Division, Pune vide letter no. KHAPAVI/BINSI/2235 dated

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		07.04.2021 and validity 01.03.2027 for Khadakwasala water permission
(v)	Bio composting followed in the existing Industry shall be discarded within 2 years from the date of issue of EC. Industry shall discard existing bio composting and they will treat spent wash by concentration in MEE followed by incineration in 45 TPH boiler. The wet scrubber shall be replaced by a Bag filter in the existing 10 TPH boiler.	We have treated spent wash by concentration MEE followed by incineration in 45TPH incineration. Boiler Composting reduced by 30% for year 2023-24 and 70 % in 2024-25.
(vi)	Spent wash shall be treated in MEE followed by an incineration boiler. The condensate, spentlees, and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.	The condensate, spentlees and utilities effluent treated in the CPU. STP is installed to treat the sewage generated from factory premises. Photographs of the same is attached as <b>Annexure 13</b>
(vii)	APCE ESP with a stack height of 70 m is installed with the existing 32 TPH incineration boiler for controlling the particulate emissions within the statutory limit of 30 mg/Nm <sup>3</sup> . APCE ESP with a stack of height of 81 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm <sup>3</sup> for the proposed 45TPH incineration boiler. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.	Agreed. Monitoring Reports for Air quality monitoring is attached as <b>Annexure 2</b> .

***Baramati Agro Limited (Unit-1)***

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance</b>
(viii)	Incineration Boiler ash (191TPD) will be used as potash rich manure to farmers. PP shall meet 10% of the total power requirement i.e 0.8 MW from solar power by generating power inside plant premises/adjacent/nearby areas.	Agreed and followed. 1.0 MW solar project completed. Photographs of the same is attached as <b>Annexure 14</b>
(ix)	CO2 (460 TPD) generated during the fermentation process will be collected by utilizing CO2 scrubbers and it shall be collected in bottling plant.	Agreed and complied.  CO2 (460 TPD) generated during the fermentation process will be collected by utilizing CO2 scrubbers and it will be collected in bottling plant.  Agreement with CO2 bottling plant vendor is attached as <b>Annexure 12</b> .
(x)	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be conducted on monthly basis and report submitted to SPCB and RO, MOEFCC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office.	Water quality monitoring report is attached as <b>Annexure 2</b> .
(xi)	PP shall allocate Rs. 50 Lakhs per 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.	We have provided safety kits/mask for personal protection to the workers. Health Reports or Health center photographs is attached as <b>Annexure 3</b> .
(xii)	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.	Regular training is provided to the employees. Training report is attached as <b>Annexure 4</b> .
(xiii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Agreed and complied.  PESO certificate is attached as <b>Annexure 9</b> .



***Baramati Agro Limited (Unit-1)***

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance</b>
	Firefighting system shall be as per the norms. PESO certificate shall be obtained.	
(xiv)	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. Filter press shall be installed for drying of sludge.	Agreed and ETP sludge used as manure for green belt in factory premises or mix in compost
(xv)	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.	Agreed. We will follow the condition.
(xvi)	The green belt of at least 5-10 m width which has been developed shall be maintained in nearly 17.0 Hectares i.e., 35.98 % of the total plant 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 development shall be completed before commissioning of the plant.	According to CPCB guidelines, 2500 trees should be available per hectare of land for greenbelt development. Total 17.00 Hectares of land is reserved for greenbelt development; hence there should be a minimum 42500 no. of trees. At present the industry has already planted about 14464 Trees, and remaining 28036 trees shall be planted within two to three years. The industry proposes to plant 1000 to 1500 trees per year in order to increase the greenbelt over and above 33% of the total factory area.
(xvii)	PP proposed to allocate Rs. 2.00 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like upgradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, potable drinking water facilities, solar light/solar	Detailed CER breakup is attached as <b>Annexure 5.</b>

***Baramati Agro Limited (Unit-1)***

Sr. No.	EC Conditions	Compliance
	power support for uninterrupted power supply, soil nutrient management etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration. As per remarks made in CCR, PP shall also spend unutilized funds of Rs. 0.95 Crores as committed in addition to the funds earmarked to CER for the proposed expansion	
XVIII	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.	15.05 % area is allotted to parking purposes. Photographs of the same is attached as <b>Annexure 15.</b>
	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.	We are following the condition and same will be followed.
	Continuous online (24x7) monitoring system for stack emissions/effluent 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	Agreed.  Continuous online (24x7) monitoring system for stack emissions/effluent is installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server.

**Baramati Agro Limited (Unit-1)**

Sr. No.	EC Conditions	Compliance
	capability and flow meters in the channel/drain carrying effluent within the premises.	Photographs of online monitoring system is attached as <b>Annexure 10</b> .
	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/Director/CEO as per company hierarchy.	We have a separate Environmental Management Cell with qualified person with Environmental Science/Environmental Engineering/specialization in the project area
	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.	Agreed.
<b>General Conditions</b>		
(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.	Agreed.

***Baramati Agro Limited (Unit-1)***

<b>Sr. No.</b>	<b>EC Conditions</b>	<b>Compliance</b>
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Agreed.
(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).	Agreed.  We have planted trees around the site boundary to minimize the noise pollution.  Noise Monitoring report is attached as <b>Annexure 2.</b>
(iv)	The company shall undertake all relevant measures for improving the socioeconomic 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.	The detailed CER plan is attached as <b>annexure 5.</b>
(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.	Cost for environment management has been estimated to 68.13 crores capital cost and Rs.2.49 Crores as a recurring expenditure.
(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.	Agreed and the same is attached as <b>Annexure 12.</b>



***Baramati Agro Limited (Unit-1)***

Sr. No.	EC Conditions	Compliance
(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 regularly submitting six monthly compliance report and same will be followed.
(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.	Agreed.  We will submit the environmental statement for each financial year ending 31st March in Form-V to MPCB.  Date of last submitted environment statement:  For Sugar :18.09.2023  For Distillery: 30.09.2023  Copy of clearance letter is uploaded on company's website. It is attached as <b>annexure 7.</b>
(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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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.	Advertisement of EC in Marathi and English newspaper is attached as <b>Annexure 6.</b>

***Baramati Agro Limited (Unit-1)***

Sr. No.	EC Conditions	Compliance
(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.	Date of financial closure:21.04.2023 Date of final approval of project: September 2022. Date of start of project: November 2022.
(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.	Agreed.

**Part 4: Annexures**  
**Annexure 1: EC Letter**



सत्यमेव जयते

**File No.: J-11011/106/2016-IA-II(I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**

\*\*\*



Dated 29/08/2023



To,

Prakash Jathar  
M/s. BARAMATI AGRO LIMITED  
M/s. Baramati Agro Limited, village-Shetphalgade, Taluka- Indapur, District-Pune, Maharashtra ,  
Shetphalgade, PUNE, MAHARASHTRA, , 413102  
prakash.jathar@baramatiagro.com

**Subject:** **Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by M/s. Baramati Agro Limited Unit 1 – Consideration of amendment of Environmental Clearance-reg.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND2/429029/2023 dated 13/07/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C2503MH5293857A
(ii) File No.	J-11011/106/2016-IA-II(I)
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	5(g) Distilleries
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit-1.
(viii) Location of Project (District, State)	PUNE, MAHARASHTRA
(ix) Issuing Authority	MoEF&CC
(x) EC Date	08/08/2023
(xi) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

IA/MH/IND2/429029/2023

Address: IA Division, Ministry of Environment, Forest and Climate Change,  
Indira Paryavaran Bhawan, Jor Bagh New Delhi - 110003

Page 1 of 3

1.The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in Environmental Clearance granted by the Ministry vide EC Identification No. - EC22A022MH197089 File No. IA- J-11011/106/2016-IA-II(I) dated 28.11.2022 for expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur Dsitric Pune Maharashtra by M/s. Baramati Agro Limited Unit 1.

2.The project proponent has requested for amendment in the EC with the details are placed at **Annexure-II**.

3.After detailed deliberations EAC found the justification for amendment sought satisfactory and **recommended** the proposal for amendment in Environmental Clearance EC.

4.Based on recommendations of the EAC,the Ministry of Environment, Forestand Climate Change herebyaccords approval to the proposedamendment for Environmental Clearance (EC) dated 28<sup>th</sup> November, 2022 as stated above, for the project**Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur Dsitric Pune Maharashtra by M/s. Baramati Agro Limited Unit 1.**

5. However, all other terms and conditions mentioned in EC Identification No. - EC22A022MH197089 File No. J-11011/106/2016-IA-II(I) dated 28<sup>th</sup> November, 2022 shall remain unchanged.

6.This issues with approval of the competent authority.

**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, District Pune, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File

**Annexure 1**

**Annexure 2**

**Amendment Logs**

Description	Reference	Existing	Proposed / Amendment	Reason
Details of	Point 4. The	Rectified Spirit	Rectified Spirit or	Rectification as per

**Baramati Agro Limited (Unit-1)**



Description	Reference	Existing	Proposed / Amendment	Reason
Production Capacities	details of products and capacity under:	or Extra Neutral Alcohol - 60 KLPD	Extra Neutral Alcohol - 160 KLPD	Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under
Details of Production Capacities	Point 4. The details of products and capacity under:	Ethanol - 540 KLPD	Ethanol - 440 KLPD	Rectification as per Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under
Details of Raw Material Used	Point 4. The details of products and capacity under:	Name of Unit - Distillery (Molasses as Raw material)	Name of Unit - Distillery (Molasses/cane juice/syrup as Raw material)	Rectification as per Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under

Signature Not Verified

Digitally Signed by : Mr A N Singh  
Member Secretary, MoEFCC (EC)

Date: 17/09/2023



ENVIRONMENTAL CLEARANCE	 <b>Government of India</b> <b>Ministry of Environment, Forest and Climate Change</b> <b>(Impact Assessment Division)</b>																		
<b>PARIVESH</b> <i>(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)</i>	To,  The COO BARAMATI AGRO LIMITED M/s. Baramati Agro Limited, village Shetphalgade, Taluka Indapur, District Pune, Maharashtra, M/s. Baramati Agro Limited, village Shetphalgade, Taluka Indapur, District Pune, Maharashtra, Pune, Maharashtra-413102																		
	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 IAMH/IND/291324/2020 dated 04-Oct-2022. The particulars of the environmental clearance granted to the project are as below:																		
	<table><tbody><tr><td>1. EC Identification No.</td><td>EC22A022MH197089</td></tr><tr><td>2. File No.</td><td>J-11011/106/2016-IA-II(I)</td></tr><tr><td>3. Project Type</td><td>Expansion</td></tr><tr><td>4. Category</td><td>A</td></tr><tr><td>5. Project/Activity including Schedule No.</td><td>Sig Distilleries</td></tr><tr><td>6. Name of Project</td><td>Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit 1</td></tr><tr><td>7. Name of Company/Organization</td><td>BARAMATI AGRO LIMITED</td></tr><tr><td>8. Location of Project</td><td>Maharashtra</td></tr><tr><td>9. TOR Date</td><td>30 Sep 2020</td></tr></tbody></table>	1. EC Identification No.	EC22A022MH197089	2. File No.	J-11011/106/2016-IA-II(I)	3. Project Type	Expansion	4. Category	A	5. Project/Activity including Schedule No.	Sig Distilleries	6. Name of Project	Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit 1	7. Name of Company/Organization	BARAMATI AGRO LIMITED	8. Location of Project	Maharashtra	9. TOR Date	30 Sep 2020
1. EC Identification No.	EC22A022MH197089																		
2. File No.	J-11011/106/2016-IA-II(I)																		
3. Project Type	Expansion																		
4. Category	A																		
5. Project/Activity including Schedule No.	Sig Distilleries																		
6. Name of Project	Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit 1																		
7. Name of Company/Organization	BARAMATI AGRO LIMITED																		
8. Location of Project	Maharashtra																		
9. TOR Date	30 Sep 2020																		
	The project details along with terms and conditions are appended herewith from page no 2 onwards.																		
	<p style="text-align: right;">(e-signed) A N Singh Scientist E IA - (Industrial Projects - 2 sector)</p> <p>Date: 28/11/2022</p>																		
	<p>Note: A valid environmental clearance shall be one that has EC Identification number &amp; E-Sign generated from PARIVESH. Please quote Identification number in all future correspondence.</p> <p>This is a computer generated cover page.</p>																		
	EC Identification No. - EC22A022MH197089    File No. - J-11011/106/2016-IA-II(I)    Date of Issue EC - 28/11/2022    Page 1 of 11																		

This has reference to your online proposal no. IA/MH/IND2/291324/2020, dated 04<sup>th</sup> October, 2022 for environmental clearance to the above-mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance for expansion of the existing distillery unit from 300 KLPD to 600 KLPD, co-generation power plant for distillery from 3 MW to 8 MW located at Shetphalgade village, Indapur tehsil, Pune district, Maharashtra by M/s. Baramati Agro Limited (Unit-1).

3. As per in the MoEF& CC 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	Production capacity		
			Existing	Proposed Additional	Total
1	Distillery (Molasses as Raw material)	Rectified Spirit or	60 KLPD	0	60 KLPD
		Extra Neutral Alcohol or			
		Ethanol	240KLPD	300KLPD	540 KLPD
2	Co-generation power plant for sugar mill	Power	70 MW	0	70 MW
	Co-generation power plant for distillery	Power	3.00MW	5.00MW	8.00MW
3	Sugar mill	Sugar	18000 TCD	0	18000 TCD
5	Fermentation unit	Carbon Dioxide (CO <sub>2</sub> )	230 TPD	230TPD	460TPD
6	Incineration Ash	Ash	69 TPD	122TPD	191TPD

5. Ministry has issued Environmental Clearance to the existing Industry for a sugarcane crushing capacity from 12000 TCD to 18000 TCD and molasses-based distillery from 160 KLPD to Multi-feed (B Heavy, Cane Juice, grains) based 300 KLPD distillery unit vide File No. IA-J-11011/106/2016-IA-II (I) dated 26th August, 2021. Certified Compliance report of existing EC has been obtained from Integrated Regional Office, MoEFCC, Nagpur vide File no- EC-1525/ROH/2022-

NGP/9841 dated 14.06.2022. Action Taken Report has been submitted to IRO, MOEFCC, Nagpur dated 22.07.2022 for one partial compliance and one non-compliance condition. Committee was satisfied with the response of PP.

**6.** Standard ToR and public Hearing conduction is not applicable as the project falls under category B2 as per OM dated 16th June, 2021. It was informed that no litigation is pending against the proposal.

**7.** Total plant area after expansion will be 47.76 Ha (existing plant area 47.76 Hectares and 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 17.0 Hectares i.e., 35.98 % of the total plant area has already been developed as greenbelt & plantation and the same will maintained. The estimated project cost is Rs. 200 Crores. Capital cost of EMP would be Rs. 68.13 Crores and recurring cost for EMP would be Rs. 2.49 Crores per annum. Industry proposes to allocate Rs. 1.5 Crores towards extended EMP (Corporate Environment Responsibility). Total Employment after expansion will be 100 persons as direct & indirect.

**8.** There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance.

**9.** AAQ modelling study for point sources emissions indicates that the maximum incremental GLCs after the proposed project would be  $2.11 \mu\text{g}/\text{m}^3$ ,  $1.39 \mu\text{g}/\text{m}^3$  and  $1.64 \mu\text{g}/\text{m}^3$  with respect to  $\text{PM}_{10}$ ,  $\text{SO}_2$  and  $\text{NO}_x$  respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

**10.** Total fresh water requirement after expansion will be  $2093 \text{ m}^3/\text{day}$ , which will be met from Khadakwasala and Ujani Dam for which withdrawal permission has been obtained from NOC has been obtained by Branch Officer Bhima Lift Irrigation, Palasdev vide letter no. 595 dated 22.10.2016 and validity 31.05.2023 for Ujani water permission and NOC has been obtained by Executive Engineer, Khadakwasala Irrigation Division, Pune vide letter no. KHAPAVI/BINSI/2235 dated 07.04.2021 and validity 01.03.2027 for Khadakwasala water permission. Existing effluent generation is 1861 CMD from distillery which is treated through Condensate Polishing Unit (capacity 2000 in CMD). Proposed effluent generation will be 2459 CMD from distillery which will be treated through proposed Condensate Polishing Unit (capacity 2500 in CMD). In molasses-based operation, spent wash generated from the analyzer column during distillation will be concentrated in Multi Effect Evaporator and concentrated spent wash will be burnt in incineration boiler. Domestic wastewater will be treated in STP of capacity 60 KLPD. The plant is being 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 5.25 MW which will be sourced from existing 3.0 MW TG set connected to 32 TPH incineration boiler and proposed 5.0 MW TG set connected to 45 TPH incineration boiler. APCE ESP with a stack of height of 70 m is installed with the existing 32 TPH incineration boiler for controlling the particulate emissions within the statutory



limit of 50 mg/Nm<sup>3</sup>. APCE ESP with a stack height of 81 m will be installed with 45 TPH(concentrated spent wash + coal fired) incineration boiler for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup>. Industry has 2\*500 KVA DG set which will be used as standby arrangement during power failure and stack height (6 m above roof level) will be provided as per CPCB norms to the proposed DG sets.

**12. Details of Process emissions generation and its management:**

- APCE ESP with a stack height of 70 m is installed with the existing 32 TPH incineration boiler for controlling the particulate emissions within the statutory limit of 50 mg/Nm<sup>3</sup>. APCE ESP with a stack of height of 81 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup> for the proposed 45 TPH incineration boiler.
- Online Continuous Emission Monitoring System is installed for existing stack and will be installed to the proposed stack and data will be transmitted to CPCB/SPCB servers.
- CO<sub>2</sub> (460 TPD) generated during the fermentation process will be collected and utilizing in proposed bottling Plant.

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

- Concentrated spent wash (270 MT/day) is burnt in existing 32 TPH incineration boiler, concentrated spent wash (120 MT/day) is converted to bio-compost to be used as manure and Concentrated spent wash (575 MT/day) will be in proposed 45 TPH incineration boiler.
- Incineration Boiler ash (existing as well as proposed - 191 TPD) will be used as potash rich manure to farmers.

**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 300 KLPD will be used for manufacturing fuel ethanol only.

**15. During deliberations, EAC discussed following issues:**

- PP informed that 15 % of the total power requirement i.e 0.8 MW shall be met from solar power.
- EAC suggested that Bio composting followed in the existing Industry shall be discarded within 2 years from the date of issue of EC. PP informed that they will discard existing bio composting and they will treat spent wash by concentration in MEE followed by incineration in 45 TPH boiler.
- PP informed that Wet scrubber shall be replaced by bagfilter in the existing 10 TPH boiler.
- PP has submitted revised air quality modelling data considering incineration boiler of Distillery division and boilers (50 TPH and 110 TPH) of sugar unit.

Maximum incremental concentration was found to be 6.82 µg/m<sup>3</sup>, 4.55 µg/m<sup>3</sup>, 0.05 µg/m<sup>3</sup> and 6.18 µg/m<sup>3</sup> for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> respectively.

- PP has submitted revised CER budget increased to Rs. 2.00 Crores along with breakup. As per remarks made in CCR, PP shall also spend unutilised funds of Rs. 0.95 Crores as committed in addition to the funds earmarked to CER for the proposed expansion.

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

**16.** The proposal was considered by EAC (Ind-2) in its meeting ID: IA/IND2/13352/13/10/2022 held on 13<sup>th</sup> October, 2022 in the Ministry, wherein the project proponent and their accredited Consultant namely M/s. Sustainera Solutions Private Limited NABET accreditation no. NABET/EIA/2225/IA 0095 valid till 20.02.2025, presented the case. 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 for proposed expansion of existing distillery unit from 300 KLPD to 600 KLPD, co-generation power plant for distillery from 3 MW to 8 MW located at Shetphalgade village, Indapur tehsil, Pune district, Maharashtra by M/s. Baramati Agro Limited (Unit-1), 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 expansion of 300 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). 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.
- (iii). 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. CLU certificate shall be obtained before start of construction activities.
- (iv). Total Fresh water requirement shall not exceed 2093 CMD of ethanol production which will be met from Khadakwasala and Ujani Dam. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.
- (v). Bio composting followed in the existing Industry shall be discarded within 2 years from the date of issue of EC. Industry shall discard existing bio composting and they will treat spent wash by concentration in MEE followed by incineration in 45 TPH boiler. Wet scrubber shall be replaced by bagfilter in the existing 10 TPH boiler.
- (vi). Spent wash shall be treated in MEE followed by incineration boiler. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc.

and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.

- (vii). APCE ESP with a stack height of 70 m is installed with the existing 32 TPH incineration boiler for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup>. APCE ESP with a stack of height of 81 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm<sup>3</sup> for the proposed 45 TPH incineration boiler. At no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.
- (viii). Incineration Boiler ash (191TPD) will be used as potash rich manure to farmers. PP shall meet 10% of the total power requirement i.e 0.8 MW from solar power by generating power inside plant premises/adjacent/nearby areas.
- (ix). CO<sub>2</sub> (460 TPD) generated during the fermentation process will be collected by utilizing CO<sub>2</sub> scrubbers and it shall be collected in bottling plant.
- (x). Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be conducted on monthly basis and report submitted to SPCB and RO, MOEFCC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office.
- (xi). PP shall allocate Rs. 50 Lakhs per 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.
- (xii). 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.
- (xiii). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained.
- (xiv). 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. Filter press shall be installed for drying of sludge.

- (xv). 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.
- (xvi). The green belt of at least 5-10 m width which has been developed shall be maintained in nearly 17.0 Hectares i.e., 35.98 % of the total plant 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 development shall be completed before commissioning of the plant.
- (xvii). PP proposed to allocate Rs. 2.00 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, potable drinking water facilities, solar light/solar power support for uninterrupted power supply, soil nutrient management etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration. As per remarks made in CCR, PP shall also spend unutilised funds of Rs. 0.95 Crores as committed in addition to the funds earmarked to CER for the proposed expansion
- (xviii). 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.
- (xix). 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.
- (xx). Continuous online (24x7) monitoring system for stack emissions/effluent 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.

- (xxi). 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/ Director/CEO as per company hierarchy.
- (xxii). 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<sup>th</sup> 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 31<sup>st</sup> 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](mailto:aditya.narayan@nic.in)**  
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Validity unknown

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Scientist E  
Date: 11/28/2022 9:51:49 PM

EC Identification No. - EC22A022MH197089 File No. - J-11011/106/2016-IA-II(j) Date of Issue EC - 28/11/2022 Page 11 of 11



## Annexure 2: Monitoring Reports

### Ambient Air Quality Monitoring Report



**EHS MATRIX**  
PRIVATE LIMITED

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#### TEST REPORT

Report No:	EHSM/2024/June/R-530	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	10/06/2024	Sampling duration	1440 Min
Sampling Location	Near Entry Gate (A1)	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	30°C	Wet bulb temperature	26°C
Relative Humidity	66 %	Sampling done by	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024

#### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	11.0	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	17.0	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	68.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	30.0	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.3	mg/m <sup>3</sup>	≤ 04	
6	Ozone(O <sub>3</sub> )	22.0	µg/m <sup>3</sup>	≤ 180	
7	Lead (Pb)	BDL	µg/m <sup>3</sup>	≤ 01	
8	Arsenic(As)	BDL	ng/m <sup>3</sup>	≤ 06	
9	Nickel(Ni)	BDL	ng/m <sup>3</sup>	≤ 20	
10	Ammonia(NH <sub>3</sub> )	BDL	µg/m <sup>3</sup>	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/m <sup>3</sup>	≤ 1.0	IS 5182 (Part 11)
12	Benzene(C <sub>6</sub> H <sub>6</sub> )	BDL	µg/m <sup>3</sup>	≤ 05	

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



*Rg*  
**Authorized Signatory**  
**Mr. Rahul Patil**  
**(Director)**

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ISO 9001 - 2015



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### TEST REPORT

Report No:	EHSM/2024/June/R-531	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Air	Sample Description	Ambient Air
Date of Sampling	10/06/2024	Sampling duration	1440 Min
Sampling Location	Near Bagasse yard (A2)	Sampling Procedure	CPCB Guideline for measurement of Ambient Air pollutants Volume I
Dry bulb temperature	30°C	Wet bulb temperature	26°C
Relative Humidity	66 %	Sampling done by	EHS Matrix Pvt Ltd, Pune
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (NAAQ Standards)	Methods
1	Sulphur Dioxide(SO <sub>2</sub> )	9.0	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 2)
2	Oxides of Nitrogen(NO <sub>2</sub> )	16.0	µg/m <sup>3</sup>	≤ 80	IS 5182 (Part 6)
3	Particulate Matter PM <sub>10</sub>	60.0	µg/m <sup>3</sup>	≤ 100	CPCB Guideline for measurement of Ambient Air pollutants Volume I
4	Particulate Matter PM <sub>2.5</sub>	28.0	µg/m <sup>3</sup>	≤ 60	
5	Carbon Monoxide (CO)	0.33	mg/m <sup>3</sup>	≤ 04	
6	Ozone(O <sub>3</sub> )	21.0	µg/m <sup>3</sup>	≤ 180	
7	Lead (Pb)	BDL	µg/m <sup>3</sup>	≤ 01	
8	Arsenic(As)	BDL	ng/m <sup>3</sup>	≤ 06	
9	Nickel(Ni)	BDL	ng/m <sup>3</sup>	≤ 20	
10	Ammonia(NH <sub>3</sub> )	BDL	µg/m <sup>3</sup>	≤ 400	
11	Benzo(a)Pyrene(BaP)	BDL	ng/m <sup>3</sup>	≤ 1.0	IS 5182 (Part 11)
12	Benzene(C <sub>6</sub> H <sub>6</sub> )	BDL	µg/m <sup>3</sup>	≤ 05	

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



*RJP*  
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**Ambient Noise Monitoring Report**



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**TEST REPORT**

Report No:		EHSM/2024/June/R-532		Issue Date		18/06/2024	
Name and Address of Customer		M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra					
Sample Name		Noise		Sample Description		Ambient Noise	
Date of Sampling		10/06/2024		Sampling duration		Spot Time	
Sampling done by		EHS Matrix Pvt. Ltd., Pune.					
Results							
Sr. No.	Locations	Result dB(A) Day	Result dB(A) Night	Specifications (CPCB Standards dB(A))		Method	
1.	Near Entry Gate (N1)	66.0	56.0	75/70		CPCB Guideline	
2.	Near Bagasse Yard (N2)	69.0	60.0				
Remark-							
➤ All above Noise level results are within Central Pollution Control Board Standards limit.							
➤ Day/Night -75/70 dB.							



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(Director)

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## Stack Monitoring Report



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## TEST REPORT

Report No:	EHSM/2024/June/R-539	Issue Date	18/06/2024		
Name and Address of Customer	M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra				
Sample Name	Source Emission	Sample Description	Stack Material: RCC Stack Height: 70mtr. Stack Type : Round		
Date of Sampling	10/06/2024				
Sampling Location	32 TPH incinerator boiler (Distillery Unit)				
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sampling duration	30 Min		
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring		
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024		
<b>Results</b>					
Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	434	K		---
2	Differential Pressure	4.6	mm WG		
3	Velocity	7.0	M/s		
4	Dimensions of Stack	3.28	Mtr.		
5	Stack Area	8.445	M <sup>2</sup>		
6	Gas Volume	146125.7	Nm <sup>3</sup> /Hr		
7	Particulate Matter	58.0	mg/Nm <sup>3</sup>	≤ 150	CPCB Guideline on methodologies for source emission monitoring
8	Sulphur Dioxide(SO <sub>2</sub> )	3.2	Kg/day	--	
9	Oxide of Nitrogen (NO <sub>x</sub> )	0.8	mg/Nm <sup>3</sup>	--	
➤ Remark- All above results is well within MPCB Limit.					



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### TEST REPORT

Report No:	EHSM/2024/June/R-540	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Source Emission	Sample Description	Stack Material: MS Stack Height: 40mtr. Stack Type : Round
Date of Sampling	10/06/2024		
Sampling Location	10 TPH boiler (Distillery Unit)		
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sampling duration	30 Min
Sample Quantity	Thimble 1 Nos and 30 ml Solution	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024

### Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	390	K		---
2	Differential Pressure	4.2	mm WG		
3	Velocity	6.5	M/s		
4	Dimensions of Stack	1.2	Mtr.		
5	Stack Area	1.13	M <sup>2</sup>		
6	Gas Volume	20204.3	Nm <sup>3</sup> /Hr		
7	Particulate Matter	62.0	mg/Nm <sup>3</sup>	≤ 150	CPCB Guideline on methodologies for source emission monitoring
8	Sulphur Dioxide(SO <sub>2</sub> )	0.3	Kg/day	--	
9	Oxide of Nitrogen (NO <sub>x</sub> )	0.4	mg/Nm <sup>3</sup>	--	

➤ **Remark-** All above results is well within MPCB Limit.



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# EHS MATRIX

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## TEST REPORT

Report No:	EHSM/2024/June/R-541	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit-1), Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Source Emission	Sample Description	Stack Material: MS Stack Height: 6m above roof level Stack Type : Round
Date of Sampling	10/06/2024		
Sampling Location	DG Set 500 KVA (Distillery Unit)	Sampling duration	30 Min
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sampling Procedure	CPCB Guideline on methodologies for source emission monitoring
Sample Quantity	Thimble 1 Nos and 30 ml Solution	End Date of Analysis	17/06/2024
Start Date of Analysis	11/06/2024		

## Results

Sr. No.	Parameters	Results	Unit(s)	Specifications (MPCB Consent)	Methods
1	Flue Gas Temperature	421	K		---
2	Differential Pressure	6.0	mm WG		
3	Velocity	9.4	M/s		
4	Dimensions of Stack	0.5	Mtr.		
5	Stack Area	0.196	M <sup>2</sup>		
6	Gas Volume	4694.8	Nm <sup>3</sup> /Hr		
7	Particulate Matter	65.0	mg/Nm <sup>3</sup>	≤ 150	CPCB Guideline on methodologies for source emission monitoring
8	Sulphur Dioxide(SO <sub>2</sub> )	0.4	Kg/day	--	
9	Oxide of Nitrogen (NO <sub>x</sub> )	2.0	mg/Nm <sup>3</sup>	--	

➤ **Remark-** All above results is well within MPCB Limit.



*RS*  
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**Waste Water Analysis Report****EHS MATRIX**  
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**TEST REPORT**

Report No:	EHSM/2024/June/R-536	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit 1) Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Waste Water	Sample Description	Distillery CPU Inlet
Date of Sampling	10/06/2024	Sampling Time	11.30 AM
Sampling Location	CPU	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 L
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024

**Results**

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25°C	7.1	--	APHA 4500 H+ A, 23 <sup>rd</sup> Ed.2017
2	Total Suspended Solids TSS	720.0	mg/L	APHA 2540 D, 23 <sup>rd</sup> Ed.2017
3	Total Dissolved Solids TDS	554.0	mg/L	APHA 2540 C, 23 <sup>rd</sup> Ed.2017
4	Oil & Grease	18.0	mg/L	APHA 5520 B, 23 <sup>rd</sup> Ed.2017
5	Chloride (as Cl)	324.0	mg/L	APHA 4500 Cl, 23 <sup>rd</sup> Ed. 2017
6	Sulphate (as SO <sub>4</sub> )	344.0	mg/L	IS 3025 (Part 24): 1986
7	Biochemical Oxygen Demand BOD at 27°C for 3 days	1380.0	mg/L	IS 3025 (Part 44)-1993, Rev.1
8	Chemical Oxygen Demand COD	4360.0	mg/L	APHA 5520-C-B 23 <sup>rd</sup> Ed.2017



  
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**TEST REPORT**

Report No:	EHSM/2024/June/R-535	Issue Date	18/06/2024
Name and Address of Customer	M/s Baramati Agro Limited (Unit 1) Shetphalgade, Tal. Indapur, Dist. Pune, Maharashtra		
Sample Name	Waste Water	Sample Description	Distillery CPU Outlet
Date of Sampling	10/06/2024	Sampling Time	11.10 AM
Sampling Location	CPU	Sampling Procedure	APHA 1060
Sampling done by	EHS Matrix Pvt Ltd, Pune	Sample Quantity	02 L
Start Date of Analysis	11/06/2024	End Date of Analysis	17/06/2024

**Results**

Sr. No.	Parameters	Results	Unit(s)	Methods
1	pH at 25°C	7.12	--	APHA 4500 H+ A, 23 <sup>rd</sup> Ed.2017
2	Total Suspended Solids TSS	32.0	mg/L	APHA 2540 D, 23 <sup>rd</sup> Ed.2017
3	Total Dissolved Solids TDS	50.0	mg/L	APHA 2540 C, 23 <sup>rd</sup> Ed.2017
4	Oil & Grease	ND	mg/L	APHA 5520 B, 23 <sup>rd</sup> Ed.2017
5	Chloride (as Cl)	20.0	mg/L	APHA 4500 Cl, 23 <sup>rd</sup> Ed. 2017
6	Sulphate (as SO <sub>4</sub> )	13.0	mg/L	IS 3025 (Part 24): 1986
7	Biochemical Oxygen Demand BOD at 27°C for 3 days	15.0	mg/L	IS 3025 (Part 44)-1993, Rev.1
8	Chemical Oxygen Demand COD	52.0	mg/L	APHA 5520-C-B 23 <sup>rd</sup> Ed.2017



  
**Authorized Signatory**  
**Mr. Rahul Patil**  
(Director)

Page 01 of 01

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.

📍 Register Office Address :  
C-7, Omkar Kudale Patil Estate, Manik  
Baramati, Dist. Solapur, Maharashtra - 431004

📍 Branch Office Address :  
1151, E-ward, Saroj Sankul, Flat No. B-204,  
Baramati, Dist. Solapur, Maharashtra - 431004

**CERTIFICATIONS**  
ISO 9001 : 2015



## Annexure 3: Health Checkup Report

## ANNUAL MEDICAL CHECK-UP REPORTS

## BARAMATI AGRO LIMITED.

SUGAR DIVISION UNIT NO.1, AT POST- SHETPHALGADE,

TAL- INDAPUR, DIST- PUNE, MAHARASHTRA 413130

PHONE - 02112 221001, WEB - www.baramatiagro.com

MEDICAL EXAMINATION REPORT

MEDICAL CHECK-UP DATE- 11.12.2023

NAME: KAPARE SAHIL SANDIP

AGE: 22

COMPANY'S NAME: BARAMATI AGRO LIMITED.

TEST CODE NO: 630

EMPLOYEE ID: 19600

GENDER: MALE

DEPT NAME: QUALITY ASSURANCE

PHYSIOLOGICAL DATA

ACTUAL WEIGHT: 70 kgs ACTUAL HEIGHT: 176 cms

GENERAL EXAMINATIONPULSE: 81 /Min BODY MASS INDEX (BMI)  
B.P: 134/72 Mm of Mercury 22.6 18-25 NORMALSYSTEMIC EXAMINATION

RESPIRATORY	CHEST : NORMAL	BREATH SOUND: NORMAL
	RALES : NORMAL	RONCHI : NO
CARDIOVASCULAR	MURMURS : NO	HEART SOUND : NORMAL
ABDOMEN	LIVER : NP	SPLEEN : NP
GENITO URINARY	HERNIA : NAD	EXTERNAL GENITALIA: NAD
LYMPHATIC & ENDOCRINE	LYMPH NODES: NP	THYROID : NAD
MUSCULO SKELETAL	BONES : NAD	JOINTS : NAD
NERVOUS SYSTEM	SENSORY SYSTEM: NAD	REFLEXES : NAD
	MOTOR SYSTEM: NAD	

VISION

VISION	WITHOUT GLASSES		WITH GLASSES		COLOUR BLINDNESS
	NEAR	FAR	NEAR	FAR	
RIGHT EYE	N 6	6 / 6	-	-	NO
LEFT EYE	N 6	6 / 6	-	-	

AUDIOMETRY ADVICE :-----  
 VISION REMARK : NORMAL  
 ADVICE : NORMAL  
 ELECTROCARDIOGRAM (ECG) : REPORTS ENCLOSED  
 BLOOD REPORT : REPORTS ENCLOSED  
 RESULT : NORMAL  
 REMARK : FIT FOR JOB

  
 DR. MILIND DESHPANDE  
 M.B.B.S., M.S. (Gen.)  
 AFIH REG. NO. 817



**Deogiri**  
Occupational Health Center  
Safety Health Awareness

1, Asavari Soc., Near Dada Saheb Gaikwad Sabhagruh,  
Bhabha Nagar, Mumbai Naka, Nashik - 422001  
Email : dohc.nsk@gmail.com Website : www.dohc.in

## TEST REPORT

Patient Name: <b>KAPARE SAHIL SANDIP</b>	Sample ID : 630	Sampling Date : 11-Dec-23
Age: 22 Years      Sex: MALE		Registration Date 11-Dec-23

## Complete Blood Count

TEST DESCRIPTION	VALUES OBTAINED	REFERENCE RANGES
<b>Haemoglobin(Hgb)</b> Iron deficiency & therefore of hb leads to anemia and decreased ability to carry oxygen to body tissues.	: 14.3	13 -- 17 gms/dl
<b>Erythrocyte Count (RBC)</b> Low levels cause anemia and are associated fatigue.	: 5.43	4.5 -- 5.5 million per c.u. mm.
<b>Hematocrit (HCT)</b> Percent of whole blood that is comprised of red blood cells.	: 42.4	40 -- 50
<b>MCV</b>	: 79.2	83 -- 99
<b>MCH</b>	: 32.2	27 -- 32 pico-grams
<b>MCHC</b>	: 29.7	31.5 -- 34.5 Percent
<b>RDW-CV</b>	: 13.6	10.6 -- 14.9 fl.
<b>White Blood Cells_</b> Leucocyte Count   WBC Low levels associated with risk of infection; high levels indicates possible infection.	: 5700	4000 -- 10000 per cu. mm.
<b>Differential Counts %_</b>		
<b>Neutrophils</b> These cells provide primary defense against bacterial infection.	: 58	40 -- 80
<b>Eosinophils</b> A high number indicates allergies or parasitic infections.	: 3	0 -- 6 percent
<b>Lymphocytes</b>	: 35	20 -- 40
<b>Basophils</b> Control inflammation and damage of tissues in the body.	: 00	0 -- 2 percent
<b>Monocytes</b> Germ eating cells. low number can increase risk of getting sick from an infection.	: 4	2 -- 10
<b>Platelet Count</b> Helps blood clotting in order to stop bleeding from injury.	: 269000	150000 -- 400000 per cu. mm.
<b>PDW</b>	: 18.8	12 -- 25
<b>MPV</b>	: 12.6	8 -- 15
<b>Technology: Fully Automated &amp; Interfaced Cell Counter</b>		

## Complete Urine Analysis

TEST DESCRIPTION	VALUES OBTAINED	Microscopic Findings	VALUES OBTAINED
<b>Colour</b>	: Pale Yellow	<b>TEST DESCRIPTION</b>	<b>VALUES OBTAINED</b>
<b>Appearance</b>	: Clear	Red Blood Cells (per hpf.)	: Absent
<b>Reaction (pH)</b>	: Acidic	Pus cells (per hpf.)	: 1-2
<b>Specific Gravity</b>	: 1.010	Epithelial Cells	: 1-2
<b>Protein</b>	: Negative	Casts	: Absent
<b>Glucose</b>	: Negative	Crystals	: Absent
<b>Acetone</b>	: Absent	Amorphous Material	: Absent
<b>Blood</b>	: Absent	Mucous Threads	: Absent
<b>Urobilinogen</b>	: Normal	Bacteria	: Not seen
<b>Bile Salts</b>	: Not seen	Yeast Cells	: Not seen
<b>Bile pigments</b>	: Nil		



**Deogiri**  
Occupational Health Center  
Safety Health Awareness

1, Asavari Soc., Near Dada Saheb Gaikwad Sabhagruh,  
Bhabha Nagar, Mumbai Naka, Nashik - 422001  
Email : dohc.nsk@gmail.com Website : www.dohc.in

**TEST REPORT**

Patient Name: <b>KAPARE SAHIL SANDIP</b>		Sample ID: <b>630</b>	Sampling Date : 11-Dec-23
Age: 22 Years	Sex: MALE		Registration Date 11-Dec-23

**BLOOD SUGAR RANDOM**

TEST DESCRIPTION	VALUES OBTAINED	REFERENCE RANGE
Random Blood Glucose	: 119	70 -- 140 mg /dl
Random Urine Glucose	: Nil	
Urine Acetone (Random sample)	: Nil	

**BLOOD GROUP**

TEST DESCRIPTION	VALUES OBTAINED	REFERENCE RANGE
Rh(D) and Blood Group	: 'B' Rh POSITIVE	
Method: Slide Agglutination		

Note: Confirmation by tube method or reverse grouping if requested  
Grouping & Rh factor done in bulk if any changes kindly recheck



## ELECTROCARDIOGRAM

# NASHIK

RATE : 58 bpm  
BP : N/A  
P Axis : 55 deg.  
QRS Axis : 78 deg.  
T Axis : 73 deg.

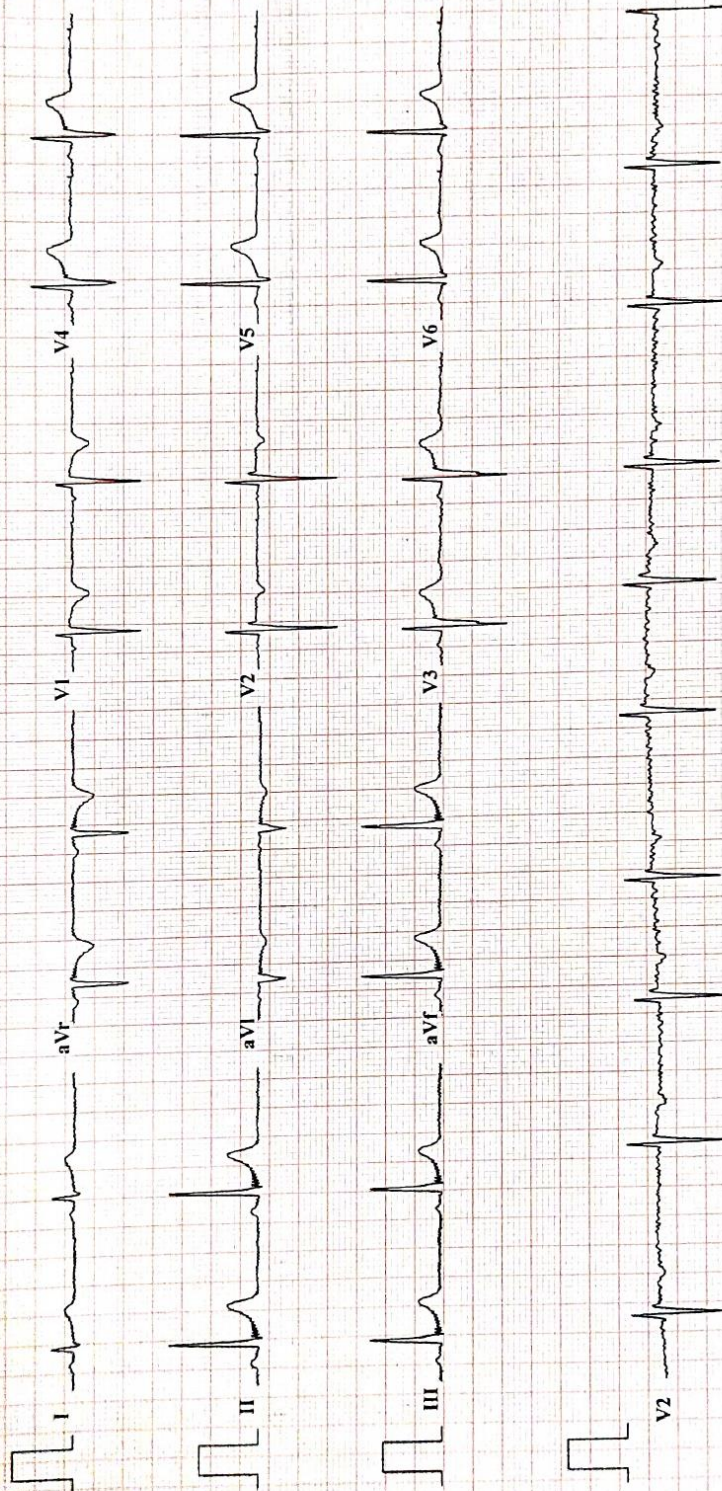
Mr. KAPRE SAHIL  
I.D. : 630  
AGE/SEX : 22 Yr/M  
HT/WT : 176 Cm/ 70 Kg  
DATE : 11/12/2023  
REF BY : Dr.

**MACHINE INTERPRETATION : Normal ECG.**

## Linked Median

Speed : 25 mm/s  
Sensitivity : 10 mm/mV

P Duration	: 92 ms
PR Duration	: 125 ms
QRS Duration	: 93 ms
QT Interval	: 376 ms
QTc Interval	: 372 ms




Dr.

UNI-EM, Indore Tel : +91-731-4030035, Fax +91-731-4031180, E-Mail: em@electromedicals.net, Web: www.uni-em.com, ECG Ver 15.0.2

Google Q : Granter Healthcare  
Filtered(35 Cycle) And Base Corrected

**Annexure 4: Mock Drill Report**

		IMS Sugar Unit -1 Manual	BA/SG1/IP/02/02
			Page 48 of 85
Issue No: 1	Issue. Date: 30.12.2020	<b>Mock drill report</b>	Prepared by: MVJ
Rev. No: 0	Rev. Date:01.01.2022		Approved by: PSJ

**Div – Distillery Unit 1****Location:** Ethanol loading point 2**Date:** 10. 12. 2023**Scenario:** Ethanol Tanker loading pump no1 catches fire

Sr. No.	Time (hrs)	Event action	Action by
1.	11:10	The Ethanol loading pump no1 maintenance work under progress by Bhauso sakpal. During maintenance activity the left over ethanol catches the fire.	Bhauso Sakpal
2.	11:11	He tries to extinguish fire with AFFF foam but not extinguished, he informed to Commercial dept about the Fire and . ECC (Emergency Control Center)	Bhauso Sakpal
3.	11.14	Vaibhav Kalbore the commercial personnel passed the information to Mahesh Gangane Shift Incharge. He is act as Incident Controller	Vaibhav Kalbore
4.	11.16	IC rushed at site to assess the condition. He passed information to ECC and asked to declare an emergency by blowing Emergency siren.	Mahesh Gangane
5.	11.18	After getting information, emergency siren blown by the security and information passed to all key persons.	Ashok Chavan
6.	11.20	After hearing the Emergency siren, and getting information, fire fighters reported at site	Mahesh Gangane
7.	11.21	Employees assembled at assembly point	-----
8.	11.20	After hearing emergency siren, MC (Main Controller) reported to ECC and instructed to security to close the door	Ashok Chavan
9.	11.25	Ambulance reported at site with First aiders	Popat Jadhav. Pradip Patil
10.	11.21	Fire tender reported at site with Fire fighters. Water applied on fire by the security as per instructions of Incident Controller.	Siddhesh Gawas Mohnish Naik Nitin Chavan D.Wagh Vinod Chandgude

***Baramati Agro Limited (Unit-1)***


11.	11.24	Fire extinguished by the team, same was ensured by incident controller and information passed Main controller to declare an all clear	Mahesh Gangane
12.	11.30	Head count taken and verified with the record	Ganesh Patale
13.	11.31	All clear siren activated	Ashok Chavan

**Observations:**

Sr. No.	Observation	Recommendation	Responsibility	Target date	Status
1.	Ambulance was reached at site very late site.	Awareness imparted to ambulance driver	HOD/Safety	Immediate	Completed
2.	Some contract workers not stopped by contractor	Instructions given to supervisor of contractor	HOD/ Safety	Immediate	Completed
3	Proper tools are not used during the maintenance work.	Non sparking tools to be used at highly flammable liquid maintenance work	HOD/ Maintenance	31 Dec 2023	Open

Total head count: 52



		IMS Sugar Unit -1 Manual	BA/SG1/IP/02/02
			Page 50 of 85
Issue No: 1	Issue. Date: 30.12.2020	<b>Mock drill report</b>	Prepared by: MVJ
Rev. No: 0	Rev. Date:01.01.2022		Approved by: PSJ



**CER Details Year 2023-2024**

We, Baramati Agro Limited (Unit-1), proposes to expand the (B-heavy, cane juice/syrup, grains) based distillery unit capacity from 300 KLPD to 600 KLPD for production of Ethanol.

As per the office memorandum of the Ministry dated 1<sup>st</sup> May 2018, we will spend willingly 0.75% of the project cost on Corporate Environment Responsibility, which works out to be 150 lakhs as the estimated project cost is Rs. 200 crores. We have spent this amount spread year 2023-24 from Jan-23 to June-24 as per the details given below.

Sr.No	Project Area/ Sector	Total Expenditures in FY – <b><u>2023-2024</u></b>	
		<b><u>2023-2024</u></b>	Remark
1	Tree plantation	53005	Trees are provided different village as Shetphalgade, Nimodi, Parawdi, & Jainakwadi .
2	Sanitation, drainage and waste treatment plant, Drinking water facilities to nearby villages, educational aids such as computers, E-learning materials to Primary schools within study area.	-	Parking shed for Bicycle parking at Parawaadi School.  Provision of 50 nos of urinal system in Parawadi School - work under progress
2	Solar street lights across the streets within study area	3800000 lac	Wall compound provided to Rayat English Medium School Shetphalgadhe.
3	Skill development programs for farmers for increasing the crop yield & high yielding cow milk breeds	-	-
4	Watershed development programme in nearby villages	-	-
5	Medical camps	-	-
Total		Rs.38,53,005	



**Details of Tree Distributed for Plantation.**

<b>Distribution of Trees in Local Villages under Corporate Environmental responsibility.</b>					
<b>Sr.no</b>	<b>Village</b>	<b>Species</b>	<b>No of Trees</b>	<b>Unit Prize</b>	<b>Total Amount</b>
<b>1</b>	<b>Shetphalgade</b>	Baniyan tree	50	150	7500
		Neem tree	30	20	600
		Khaya	15	150	2250
		Kadamb	15	150	2250
		Gilmohar	25	50	1250
		Karanj	40	20	800
<b>2</b>	<b>Nimbodi</b>	Baniyan tree	40	150	6000
		Neem tree	25	20	500
		Khaya	15	150	2250
		Kadamb	15	150	2250
		Gilmohar	25	50	1250
		Karanj	30	20	600
<b>3</b>	<b>Parawdi</b>	Baniyan tree	30	150	4500
		Neem tree	40	20	800
		Khaya	40	150	6000
		Kadamb	18	150	2700
		Gilmohar	25	50	1250
		Karanj	40	20	800
<b>6</b>	<b>Jainakwadi</b>	Baniyan tree	15	250	2250
		Neem tree	25	25	625
		Khaya	15	150	2250
		Kadamb	15	150	2250
		Gilmohar	25	50	1250
		Karanj	40	25	1000
		Total Trees	743	Total Amt.	53005

**Tree Plantation**

---





**Wall compound provided to Rayat English Medium School  
Shetphalgadhe**





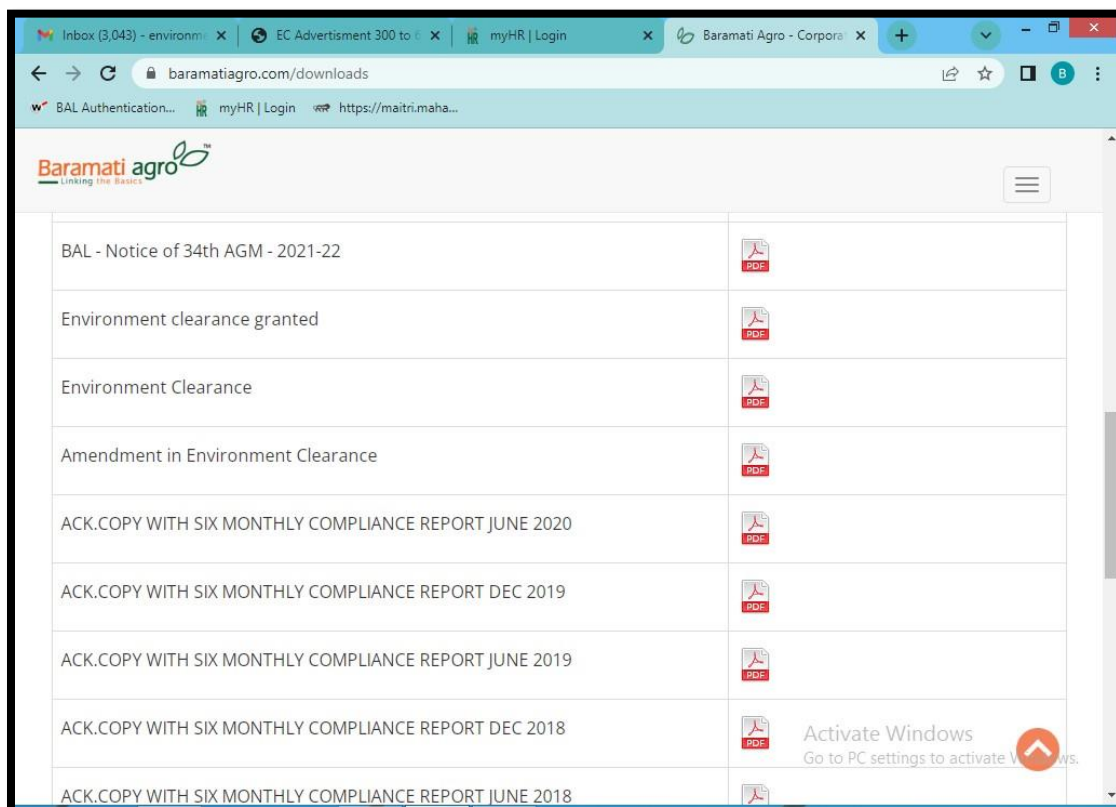
**सार्वजनिक सूचना**

मे. बारामती अग्रो लिमिटेड युनिट-१ (Bal U-1) हे कळवत आहे की, बारामती अग्रो लिमिटेड युनिट-१ (Bal U-1) द्वारे शेटफळगाडे, ता. इंदापूर, जिल्हा पुणे या गावी ३०० की.ली. प्रतिदिन ते ६०० की. ली. प्रतिदिन इथेनॉल उत्पादनासाठी डिस्टिलरी चे विस्तारण या प्रकल्पाला पर्यावरण मंजूरी ईसी ओळख क्र.(EC Identification No.) EC23C2503MH5293857A देण्यात आले आहे आणि मंजूरी पत्राची प्रत मंत्रालयाच्या <https://parivesh.nic.in/> या वेबसाइटवर पाहता येईल.  
सही  
मे. बारामती अग्रो लिमिटेड युनिट-१

**PUBLIC NOTICE**

This is to inform that our proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra State by Baramati Agro Limited Unit-1 has been accorded Environmental Clearance vide (EC Identification No.) **EC23C2503MH5293857A** and copies of the Environmental Clearance letter can be seen on the website of the ministry at <https://parivesh.nic.in/>.  
**Sign.**  
**M/s. Baramati Agro Limited Unit-1**

**Annexure 7: Screenshot of Company's Website showing uploaded EC letter**





**भारतीय गैर न्यायिक**  
**भारत INDIA**  
**रु. 500**  
**FIVE HUNDRED RUPEES**  
**पाँच सौ रुपये**  
**Rs. 500**  
**INDIA NON JUDICIAL**  
५००x२=१०००  
महाराष्ट्र MAHARASHTRA 2022 BN 291424

अनुक्रमांक ६३९८ दिनांक २०/९/२२ रुपये १०००  
मुद्रांक कोणत्या कारणासाठी वापरावयाचा आहे हस्रिष्व  
मुंबई मुद्रांक अधिनियम १९५८ चे अनुच्छेद क्र.  
मुद्रांक वापरणाराचे संपूर्ण नांव वारामती अँडो लि.  
संपूर्ण पत्ता पिंपळी, वारामती.  
हस्ते व्यक्तीचे नांव प्रफुल्ल नावरे  
पत्ता सांगवी, वारामती.  
सौ.एस.एम.तांबडे, मुद्रांक विक्रेती  
परवाना क्र.२०३०२१/२०२४ पर्यंत तुलनीकृत  
मुद्रांक धारकाची/हस्ते व्यक्तीची सही विक्री-आनंदनगर, वारामती, जि.पुणे

13 SEP 2022  
चपकोयागार अधिकारी

**NOTARY**  
ADV. SHIVKANT  
PANDURANG  
WAGHMODE  
AREA. BARAMATI  
DIST. PUNE  
REG. NO. 19358  
EXP. DT. 11/2/2025  
GOVERNMENT OF INDIA

**Self-certified Affidavit**  
I, Prakash S. Jathar having Aadhar No. 909982569857, C. O. O. of Baramati Agro Limited Unit-1, for and on the behalf of the company do hereby undertake as under:  
01. That Baramati Agro Limited Unit-1 is a brownfield project proposes to expand distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Village Shetphalgade, Tehsil: Indapur, District: Pune, Maharashtra.

1

**NOTED & REGISTERED**  
AS SERIAL NO.-1255/2022.  
DATE: 21-09-2022





02. That the proposed 300 KLPD distillery plant (Additional Biofuel production) will be solely used for the purpose of producing ethanol and the ethanol from proposed project shall be used completely for EBP Programme as per MoEF&CC, Govt. of India Notification S. O. 2339(E), dated 16<sup>th</sup> June, 2021.

03. 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.

Date :21.09.2022

Baramati



Prakash S. Jathar

C. O. O.

M/s Baramati Agro Limited Unit-1.




NOTED & REGISTERED  
AS SERIAL NO.-1255/2022.  
DATE: 21-09-2022

BEFORE ME  
  
SHIVKANT P. WAGHMODE  
B.A., L.L.B.  
ADVOCATE & NOTARY  
GOVT. OF INDIA



Annexure 9: PESO Certificate

Firefox <https://online.peso.gov.in/PublicDomain/DocStatusLetter.aspx?d...>

  
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](mailto:jtccemumbai@explosives.gov.in)  
Phone/Fax No : 022 - 27575946, 27573881

संख्या /No. : P/HQ/MH/15/6294 (P381135) दिनांक /Dated : 06/04/2021

सेवा में  
/To,

M/s. Baramati Agro Limited (Sugar Unit-1),  
N/A,  
Shetphalgadhe,  
Taluka: Indapur,  
District: PUNE,  
State: Maharashtra  
PIN: 413130

विषय /Sub : Survey No, 96, A/p Shetphalgadhe,, Shetphalgadhe, Taluka: Indapur, District: PUNE, State: Maharashtra, PIN: 413130 में स्थित पेट्रोलियम वर्ग A अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्ररूप XV में जारी अनुज्ञप्ति सं P/HQ/MH/15/6294 (P381135) - संशोधन के संदर्भ में।  
Existing Petroleum Class A Installation at Survey No, 96, A/p Shetphalgadhe,, Shetphalgadhe, Taluka: Indapur, District: PUNE, State: Maharashtra, PIN: 413130- Licence No. P/HQ/MH/15/6294 (P381135) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय  
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या - दिनांक 12/03/2021 का संदर्भ ग्रहण करें।  
Reference to your letter No. - dated 12/03/2021 on the above subject.

दिनांक 31/12/2026 तक वैध अनुज्ञप्ति संख्या P/HQ/MH/15/6294 (P381135) दिनांक 06/04/2021 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है।  
Licence No. P/HQ/MH/15/6294 (P381135) dated 06/04/2021 valid upto 31/12/2026 is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	772.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL

1 of 2 19-04-2021, 14:09

## Baramati Agro Limited (Unit-1)

Firefox

<https://online.peso.gov.in/PublicDomain/DocStatusLetter.aspx?d...>

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	772.00 KL

कृपया पावती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((अरुण सिद्राम क्षीरसागर)  
(Arun Sidram Kshirsagar))  
उप विस्फोटक नियंत्रक  
Dy. Controller of Explosives  
कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Jt. Chief Controller of Explosives  
नवी मुंबई (महा.)/Mumbai

### Copy forwarded to :-

1. The District Magistrate, PUNE(Maharashtra) with reference to his NOC No PSD/NOC/SR/33/2018 Dated 08/05/2019

For Jt. Chief Controller of Explosives  
Mumbai

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

(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>)

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**Annexure 10 : Online Monitoring System Photographs**



**AGREEMENT FOR THE SUPPLY AND  
UTILISATION OF CARBON DIOXIDE  
GAS AND TRANSFER OF CO2 PLANT  
ASSETS AFTER AGREEMENT PERIOD**

**BARAMATI AGRO LIMITED**

**AND**

**TRIPTI CARBONICS**

**17.02.2022**



महाराष्ट्र MAHARASHTRA

2021

BH 204267

अनु.क्र. 3709 दि. 25 JAN 2022 4001  
 दर्तादा प्रकार .....  
 दर्ता नोंदणी करणार आहेत का ? होय/नाही.  
 निष्कर्षाचे दर्शन .....  
 मुद्रांक विकत घेणाऱ्याचे नांव Baramati Agro Limited  
 पत्ता Pimpri, Tal. Baramati, Dist. Pune  
 दुसऱ्या पक्षाच्या नांव .....  
 हस्तो ध्यावलीचे नांव व पत्ता .....  
 मुद्रांक विकत घेणाऱ्याची सही



This stamp paper is part of the attached agreement between Baramati Agro Limited and Tripti Carbonics dated 17/02/2022





BAL/HO/Others/Jan/01/2022

**AGREEMENT FOR THE SUPPLY AND UTILISATION OF CARBON  
DIOXIDE GAS AND TRANSFER OF CO2 PLANT ASSETS AFTER  
AGREEMENT PERIOD**

This **AGREEMENT** is made and executed at Pune on 17<sup>th</sup> February 2022.

**BETWEEN**

**Baramati Agro Limited**, a Company registered under companies Act 1956, bearing PAN: AAACB7067M, having its registered office at: A/p Pimpali, Tal:- Baramati, Dist- Pune, 413 102 through its Authorized Signatory & Chief Operating Officer- Sugar Division, **Mr. Prakash Jathar**, Age: Adult, Occupation: Service, EmailId; [prakash.jathar@baramatiagro.com](mailto:prakash.jathar@baramatiagro.com) /[legal@baramatiagro.com](mailto:legal@baramatiagro.com) (Hereinafter referred to as "**SUPPLIER**", which expression shall unless repugnant to the context or meaning thereof mean and include its successors and permitted assigns of the FIRST PART)

**AND**

**M/S Tripti Carbonic**, a Partnership Firm bearing PAN: AAOFT8834H, having its office: A-1, Sandeep Park, Opposite Deonar Depot, S.T. Road, Chembur, Mumbai 400088, through its Authorized Signatory, Partner **Mr Ravi Poojari** Age 46: Adult, Occupation: Business, and **Mrs Manjusha Rajesh Birewar** Age 52 Occupation : Business, hereinafter referred to ( Hereinafter referred to as the "**PURCHASER**", which expression shall unless repugnant to the context or meaning thereof mean and include its successors and permitted assigns of the SECOND PART),

WHEREAS the **Supplier** is in the business of manufacturing and trading of Sugar & its by-products, Animal Feed, Poultry & Poultry Products, Fruits & Vegetables etc, Alcohol, and having Distillery Unit situated at Village- Shetphalgadhe, Taluka Baramati, District: Pune. Maharashtra

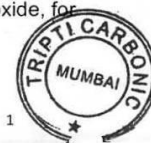
AND WHEREAS the **Supplier** is presently venting Impure Carbon Dioxide Gas containing some impurities as waste from the Fermentation Vessels of its Distillery, (hereinafter referred to as the "**Raw CO2**").

AND WHEREAS the **Purchaser** is desirous of drawing "**Raw CO2**" from the **Supplier**, as the main raw material, for the manufacture for sale of carbon dioxide in any/all of its marketable forms (hereinafter referred to as the "**Product**").

AND WHEREAS in order to enable the **Purchaser** to draw the **Raw CO2** from the **Supplier's Distillery**, and then to manufacture and store marketable Carbon Dioxide, for



*[Handwritten signature]*





sale, it is necessary for the Purchaser to have manufacturing, storage and various other facilities adjacent to and nearby the Distillery of the **Supplier**.

AND WHEREAS the **Supplier** has agreed to give the property on Lease, to the **Purchaser** (as described in Schedule 'A' hereto), for setting up CO<sub>2</sub> Refinery plant for the manufacturing, storage and other facilities, as required by the **Purchaser** (hereinafter referred to as the "**PREMISES**").

AND WHEREAS the parties hereto have agreed on certain terms and conditions which they desire to reduce to writing.

**NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:**

**1. SUPPLY OF RAWCO<sub>2</sub>:**

- i. That the **Supplier** shall sell Raw CO<sub>2</sub> without air purging to the **Purchaser** as per **Purchaser's requirements from time to time**.

**2. INVESTMENT IS RESPONSIBILITY OF PURCHASER:**

- i. It is specifically understood and agreed between the parties hereto that the Purchaser is investing capital in a facility for the manufacture and sale of the Product, with a view to building up their business and their business goodwill, based solely on the assurance of the **Supplier**, of supplying the **Raw CO<sub>2</sub>** for 300 days in year generated by the **Supplier** to the **Purchaser** and as required by the **Purchaser**.
- ii. The **Purchaser** hereby agrees that Raw CO<sub>2</sub> Refinery Plant shall be established and commissioned on \_\_\_\_\_ from the date of execution of this agreement. If **Purchaser** fails to set up and commission Raw CO<sub>2</sub> Refinery Plant on or before the aforesaid date, it shall indemnify Supplier against any loss including opportunity loss, liabilities which may arise on account of delay in establishment of Raw CO<sub>2</sub> Refinery Plant.

**3. SUPPLIER'S RESPONSIBILITY IS TO SUPPLY AVAILABLE RAWCO<sub>2</sub>:**

- i. The **Supplier** will make the necessary arrangements to collect and supply the **Raw CO<sub>2</sub>** by pipeline, from all the Fermentation Vats of its Distillery (Fermentation capacity Minimum 150KL/day) and to supply the same upto a single point of delivery at the battery limits of the **Purchaser's Raw CO<sub>2</sub> Refinery Plant**, which is to be located adjacent and nearby to the Distillery.



*[Handwritten signature]*

*[Handwritten signature]*



**4. PAYMENT TERMS**

i. The **Purchaser** shall pay to the **Supplier**, a price for the supplied **Raw CO2**, based on the quantity of Product manufactured and filled in tankers, cylinders or boxes in any suitable option for **Raw CO2** by the **Purchaser**. This Price for the **Raw CO2** is payable by the **Purchaser** to the **Supplier** at rates as mentioned in the following schedule from the start of Commercial Production by the **Purchaser**:-

- a) Amount paid by the **Purchaser** to the **Supplier** will be Rs.0.50/- per kg + GST on sold quantity of Product.
- b) The aforesaid price shall be effective for a period of **15 years** from the date of commencement of supply of **Raw CO2** and shall be reviewed after every 5 years. Details of the same as follows:-

S.No	Particular/Year	Price (Rs.Per Kg Raw CO2)
1	1 <sup>st</sup>	0.50/-
2	2 <sup>nd</sup>	0.50/-
3	3 <sup>rd</sup>	0.60/-
4	4 <sup>th</sup>	0.60/-
5	5 <sup>th</sup>	0.60/-
6	6 <sup>th</sup>	0.60/-
7	7 <sup>th</sup>	0.60/-
8	8 <sup>th</sup>	0.60/-
9	9 <sup>th</sup>	0.60/-
10	10 <sup>th</sup>	0.60/-
11	11 <sup>th</sup>	0.60/-
12	12 <sup>th</sup>	0.60/-
13	13 <sup>th</sup>	0.60/-
14	14 <sup>th</sup>	0.60/-
15	15 <sup>th</sup>	0.60/-

ii. Facility of weighbridge to be provided by the **Supplier** for 24 hours. The **Purchaser's** Tankers and Vehicles will be weighed on the weighbridge of the **Supplier** and the record will be maintained by both the parties.

iii. Goods & Services Tax (GST) and all other taxes and duties as may be applicable and levied on the **Raw CO2** by the Tax Dept, will be borne by the **Purchaser**.

iv. The total price of the **Raw CO2** purchased shall be paid in following manner: -

Sr.No	Period	Payment
1	From 1st Day to 30th /31st day of calendar month	On or before 30 <sup>th</sup> /31 <sup>st</sup> day of next month (e.g. on or before 31st October).

v. In case Purchaser makes the delay in payment or fails to make the payment as mentioned herein above, the Supplier shall be liable to charge interest at 12% on



*Signature*

*Signature*



**5. UTILITY SERVICES:**

- i. It is agreed between the parties hereto that the **Supplier** will provide necessary Utilities to the Purchaser as per the required specification to run and maintained the CO2 Refinery Plant.
- ii. Both the parties agrees that payment of such utility services will be made at the rates mutually decided by parties on monthly basis along with the applicable taxes from time to time. At the end of each month, reading of utility services will be taken in the presence of authorised representative of parties. The **Supplier** shall raise invoice based on such reading. In case of absence of authorised representative of the Purchaser at the time of reading, the **Supplier** shall raise invoice based on the reading taken by its authorised representative and same shall be final and binding upon parties
- iii. Such utility services will be reviewed after every 5 years. Accordingly, rates of such services will be decided.

**6. EFFLUENT DISPOSAL**

Waste water disposal facility to be provided by the **Supplier** for disposing about 1KL/day.

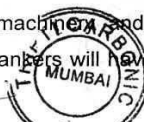
**7. LEASE AGREEMENT FOR PREMISES:**

- i. Both the Parties hereby agrees that they will enter into and Lease Agreement for the Said premises. The tenure of lease agreement will be for 15 years from the date of handover of possession of premises. Stamp duty and other charges applicable to Lease agreement shall be borne by **Purchaser**.
- ii. The **Purchaser** shall give refundable security deposit of Rs.2,00,000/- (Rupees Two Lacs only) which shall be adjusted in initial billing after commissioning of the CO2 Refinery Plant.
- iii. The **Purchaser** shall pay Lease Rent of Rs. 2,000/- per month. The lease rent shall include charges for using weighbridge/s & approached Road of the said premises of the **Supplier**.
- iv. The **Supplier** shall develop premises admeasuring 800 sq.mt with boundary wall, gate for setting up CO2 Refinery plant. The Supplier shall also build hard stand for tankers and vehicles of **Purchaser**. The Supplier shall do murum filling up to plinth level

**8. PURCHASER'S OBLIGATION**



If the Purchaser hypothecates the plant and machinery and other fixed assets installed by them to their Bankers, in such case Bankers will have first charge on the





assets of the **Purchaser** only. Bankers of the Purchaser shall not have rights on the land of the **Supplier** where the **Purchaser** to install equipment. The Supplier's Bank shall not provide any no objection certificate or confirmation regarding the aforesaid purpose.

- ii. The **Purchaser** agrees and accepts that it shall make regular payments of instalments to its Bankers. If the **Purchaser** fails to do so it shall indemnify and keep indemnified the Supplier against any costs, claims, losses, damages, arising from such failure.
- iii. The **Purchaser** specifically represents and undertakes that it shall remain fully responsible for observance of all laws and terms and conditions of all approvals, permissions, and consents such as environmental clearance and labour laws compliance, No-Objection of all the concerned Govt. Authorities, Dept., etc. The **Supplier** shall not be responsible in any manner whatsoever for any action taken against the **Purchaser** by any concerned Govt. Authorities, Dept., etc.
- iv. In case of any liability falls on the **Supplier** merely because of presence of the **Purchaser** in the premises of the **Supplier** or due to any violation or contravention of laws by the Purchaser in any manner, the **Purchaser** shall indemnify and keep indemnified the **Supplier** in monetary term or otherwise.
- v. If the **Supplier's** operations get affected due to any non- compliance by the **Purchaser**, it shall compensate the **Purchaser** for the loss suffered during such affected period of operations.
- vi. The **Purchaser** has expressly undertaken not to represent itself before any third party, Government authorities or banks as connected with the **Supplier**, in any manner whatsoever, except to the extent provided in this agreement. In case any such misrepresentation comes to the notice of the **Supplier**, it reserves its right to terminate the agreement.
- vii. It is also expressly understood and undertaken by the **Purchaser** that **Purchaser** shall operate within the premises of the **Supplier** as an independent entity and the **Supplier** shall not owe any obligations towards the **Purchaser's** obligations, liabilities including towards non-compliance or violations of any law and/or towards its staff, employees and/or banks and creditors.
- viii. For the period of present Agreement, the **Purchaser** shall comprehensively get insured all plant and machinery and other fixed & movable assets installed at plant at its own cost and efforts and shall produce copies of the documents of the same to the **Supplier** prior to the sale of plant being made operational. The **Purchaser** shall also obtain Public Liability Insurance for its personnel/employees/workers who will be working at the Plant, at its own cost and efforts.



- ix. In the event of an accident involving personal injury to the staff, employees of the **Purchaser** at the time of operations at CO2 plant or at any places within the Factory premises of the **Supplier**, the **Purchaser** shall be solely responsible for such event however the **Supplier** shall provide emergency support to avoid /reduce the adverse impact of such event of accident.

Any injury caused due to Supplier's mistake should be compensated by Supplier.

- x. During the period of Agreement, the **Purchaser** shall do the repairs & modification, repairing, replacement etc. at its own cost and efforts to keep the Plant in perfectly operating condition. The **Purchaser** shall inform at least one week in advance, to the **Supplier**, about schedule of repairs & maintenance.

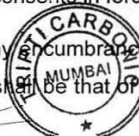
- xi. In all circumstances, the **Supplier** shall have free access and right to inspect the Refinery Plant provided reasonable notice either verbal or written is served to the **Purchaser**

**10. SUPPLIER'S RIGHTS & OBLIGATION:**

- i. The **Supplier** shall construct the road from its Factory gate to Refinery Plant to provide access to Purchaser's vehicles, tankers.
- ii. If the **Supplier** believes that violation of any law or any activity detrimental to the interest of the **Supplier** is taking place by the **Purchaser** or its employees/representative, the **Supplier** reserves its rights and shall have unequivocal powers to stop operations of Plant and/or to stop/prevent entry to the **Purchaser**, its representative and/or employees in the premises.
- iii. In case of continued violation of any law or in case, the **Purchaser's** operations becoming a security/safety hazard and at the instruction of the **Supplier**, the **Purchaser** fails to comply with any directions given by the **Supplier**, the **Supplier** shall have right to stop partially or completely supplies of Raw CO2 till the defect is rectified. If the same is not rectified by the **Purchaser**, the Supplier shall have the right to terminate the present agreement.

**11. HANDING OVER POSSESSION AND TRANSFER OF ASSETS AFTER EXPIRY OF AGREEMENT:**

- i. After completion of period of 15 Years, the plant set up by Purchaser will be transferred to the Supplier for a consideration of Rs.40,00,000/- (Rupees Forty Lacs only) plus Goods and Service Tax. This being essence of present Agreement, on payment of agreed consideration, ownership of Plant and all its Assets, machineries etc, along with all valid licenses, permissions, consents in force, attached to it, shall stand transferred to the **Supplier**, free from any encumbrances, perpetually and any liability in relation thereto prior to such period shall be that of the **Purchaser** and the





**Purchaser** shall indemnify and keep indemnified **the Supplier** if same is forced upon the **Supplier**.

- ii. The **Purchaser** shall make sure that the machinery which is transferred after the completion of agreement period shall be in good working condition.
- iii. At the time of handover of possession of Refinery plant, the **Supplier** will verify the equipment/machinery as per the list provided by the **Purchaser** before the commencement of production. Upon satisfaction of **Supplier**' representative regarding the working condition of plant, aforesaid consideration will be paid to the **Purchaser**. If it is found that Plant is not in working condition as required, the **Purchaser** shall do the necessary repairs, modification. If the **Purchaser** fails to do the necessary repairs and maintenance, in such case, the **Supplier** will do the necessary repairs and maintenance and cost of the same will be deducted from the aforesaid consideration

**12. ENVIRONMENTAL CARBON CREDITS IF AND WHEN AVAILABLE:**

Both the parties agrees that there is a strong possibility in the near future that Carbon Credits or its equivalent benefit may be available because of the eco-friendly & pollution reducing benefit of this carbon dioxide recovery system, either to **the Supplier** or to the **Purchaser**, the **Supplier** and the **Purchaser** will make efforts to try and avail such benefits, if and when available, and irrespective of who benefits directly in such an instance, both the parties hereto agree that any such benefits that may accrue to either of the two parties, on this account will be shared equally between **the Supplier** and **the Purchaser**.

**13. VACATING OF PREMISES ON CLOSURE OF THE AGREEMENT:**

In case of expiry as provided in this Agreement, **the Purchaser** will vacate the premises by handing over and transferring Raw CO2 Refinery Plant

**14. TERM AND TERMINATION**

- i. The term of this Agreement shall be for a period of 15 years ("Term") from the date of start of Commercial production/commission of Refinery Plant by the **Purchaser**.
- ii. In addition to the above this agreement shall stand/can be terminated in the following circumstances:

- (a) In the event, the **Purchaser** becomes insolvent in accordance with applicable Law,
- (b) In case Administrator is appointed for **Purchaser**, by any court of law;



- iii. Notwithstanding the above, the **Supplier** shall have a right to terminate this Agreement prior to the expiry of the Term at its sole discretion by giving a notice in writing of three months in case of breach of any condition of this agreement.
- iv. In case personnel of the **Purchaser** do not adhere to the guidelines of the **Supplier** pertaining to Safety and/or Security or the **Purchaser** does not adhere to any of the applicable laws, rules and regulations in force, the Supplier shall have the right to forthwith terminate the Agreement and for which the Three months' notice period shall not apply.
- v. In the event, operations of Refinery Plant are suspended due to safety issues or non-adherence of Statutory laws, Rules and Regulations or any other reason due to the fault of the **Purchaser**, such days lost shall be to the account of the Purchaser and the Supplier will not be responsible for any compensation for the days so lost.
- vi. In case of termination in-between a financial year, the **Purchaser** shall indemnify the **Supplier** for the entire amount of income which the Supplier would have generated through supply of **Raw CO2**, if such termination wouldn't have taken place in that year.
- vii. In the event of suspension of operations of Refinery Plant for the non-compliance of applicable laws, rules and regulations by the **Purchaser**, or the **Purchaser** fails to complete his contractual obligations including delay and/or non-payment of agreed consideration for Raw CO2 and/or Utilities and such failure continues for 3(three) months, the **Supplier** have right to terminate the Agreement. In such case, the **Supplier** shall have exclusive right to take over the possession of Refinery Plant and possession of its all Assets, Machineries etc. and the **Purchaser** shall have no objection regarding the same.
- viii. In no event, except mentioned in clauses (i) & (ii) of clause 14, the **Purchaser** shall have right to terminate present Agreement.
- ix. In case of aforesaid takeover of Refinery Plant, the **Purchaser** shall be paid terminal value of consideration mentioned in clause (i) of 11.

**15. NOTICES:**

All notices, requests, demands and other communications thereunder shall be in writing and shall be deemed to have been duly delivered if delivered in person, sent by registered post, speed post, courier or by confirmed, e-mail at the following addresses (unless otherwise notified in writing by the either Party to the other):

**If to the Supplier:**

Address: Kind Attn

COO-Sugar Division

11-45873 of

BARAMATI AGRO LIMITED A/P Shetphalgade, TAL:- Indapur

Dist-Pune

Shetphalgade, Tal.Indapur



Dist:- Pune, Maharashtra

**If to Purchaser:**

Address: as mentioned in the recital of this present agreement

**16. INTIMATION OF EXPECTED INTERRUPTIONS IN RAW CO2 SUPPLIES :**

- i. In case of any planned or expected interruption in supply of **Raw CO2** by the **Supplier** to the **Purchaser**, for any reason, the **Supplier** should intimate the **Purchaser** at least Two Weeks in advance of stoppage of supply, in case of short interruptions of upto One Week, and at least One Month's prior intimation for longer interruptions of supply expected. Such intimation is necessary to enable the **Purchaser** to try to stock the Product in advance to cover the non-supply period and also to give prior intimation of such supply disruption to the **Purchaser's** customers, and also for the **Purchaser** to make other alternate arrangements when necessary, including the purchase and receipt of ready Liquid Carbon Dioxide manufactured elsewhere to cater to the urgent Carbon Dioxide requirements of the **Purchaser's** customers.
- ii. The **Supplier** hereby agrees that in the event of loss of production due to reasons attributable to the **Supplier**, the quantum of such days lost every year will be added and on completion of 15 years, the agreement will be further extended by cumulative period of loss over the period of 15 years.
- iii. Loss of such days, on account of the above subject will be conveyed between the **Supplier & Purchaser** at the end of each completed one year from the date of production.

**17. COURT JURISDICTION:**

It is agreed between the parties hereto that, in case of any dispute arises between the **Supplier** and the **Purchaser**, the Court at Pune in Maharashtra, shall have exclusive jurisdiction.

**18. FORCE MAJEURE:**

If the performance by either party herein or any of its obligations under this Agreement shall be in any way prevented or hindered in consequence of any Act of God or State, Strike, pandemic, lockdown or restriction of any Government or other authority or any other circumstances, which could not have been reasonably seen and / or is beyond the anticipation and / or control of the Parties, i.e. Force Majeure event, then the performance of this Agreement shall be wholly or partially suspended during the continuance of such Force Majeure event to the extent of such prevention, interruption, or hindrance, provided that the affected Party to the other party within 7 days of the date of happening/s or of such event/s of Force Majeure. The respective rights and liabilities and obligations shall revive on the






resumption of normalcy. Both parties agree and accept that if and only if, during pandemic and/or Govt. imposed lock down, operations of the Refinery Plant is halted/stopped due to lockdown, then said stoppage period shall only be reckoned as period of Force Majeure.

**18. MISCELLANEOUS:**

- i. Entire Agreement: This Agreement shall constitute the entire Agreement between the Parties hereto relating to the subject matter thereof, and there are no oral statements, representations, warranties, undertakings or agreements between the Parties except as provided herein. This Agreement may not be amended or modified in any respect except by written instrument signed by the duly authorized representatives of the Parties hereto.
- ii. Notices: Any notices under this Agreement will be sent by certified or registered mail to the respective address of Parties as contained in this Agreement.
- iii. Severability: Each section of this Agreement is severable. If any provision is held unenforceable by a court of competent jurisdiction, such ruling shall not impair any other provision that remains intelligible and all other provisions shall continue in effect.

IN WITNESS WHEREOF the parties hereto have hereunto set their respective hands the day and year first hereinabove written.

**FOR THE SUPPLIER :**  
**Baramati Agro Limited**

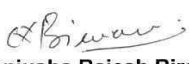
  
**Prakash Jathar**  
**COO-Sugar Division**



**FOR THE PURCHASER :**  
**Tripti Carbonics**

  
**Mr. Ravi Poddari**



  
**Mrs. Manjusha Rajesh Birewar**

Witnesses : 1.

2

**SCHEDULE 'A'**

**Location of the Premises :**

The said Premises of about 800 Square Metres, is situated in and is a part of the larger property surveyed under Survey No. \_\_\_\_\_ of Maharashtra State, all owned by and belonging to the SUPPLIER, on which the SUPPLIER has located his Distillery works.

*[Handwritten signature]*



*[Handwritten signature]*



## LIQUID CO2 PLANT - EQUIPMENT LIST

SR No.	QTY.	UNIT	EQUIPMENT NAME/SERVICE	SCOPE	TECHNICAL DETAILS	MOC/MAKE	DIAMETER MM	HEIGHT	THICK	REMARK
1	1	No	Buffer Vessel/Foam Trap	Fabricated	0.46 cum Design Pressure 3 bar	SS304	630	1500	3	
2	1	No	Roots Blower	Boughtout		TMVT				
3	1	No	Heat Exchanger Water Based	Fabricated	12 Sqm Design Pressure 3 bar	SS304	300	2000	4	may slightly change
4	1	No	Moisture Separator LP	Fabricated	0.46 cum Design Pressure 3 bar	SS304	630	1500	3	
5	1	No	CO2 Compressor 2stage Horizontal reciprocating 14x7	Boughtout	0.2 to 18 bar 3 stage 1000cum/hr	Adson				
6	1	No	Intercooler on compressor	Boughtout	6 Sqm Design Pressure 6 bar	SS304	200	2000	5	may slightly change
7	1	No	Moisture Separator HP	Boughtout	0.10 cum Design Pressure 25 bar	SS304	200	600	4	may slightly change
8	1	No	Aftercooler of compressor	Fabricated	6 Sqm Design Pressure 24 bar	SS304	200	2000	5	may slightly change
9	1	No	Moisture Separator HP	Fabricated	0.10 cum Design Pressure 25 bar	SS304	200	600	4	may slightly change
10	1	No	Heat Exchanger Ammonia based	Boughtout	4 sqm Design Pressure 25 bar	SS304	200	2000	5	
11	1	No	Moisture Separator HP	Fabricated	0.10 cum Design Pressure 25 bar	SS304	300	1200	5	
12	2	No	Wash Tower	Fabricated	0.80 cum Design Pressure 25 bar	SS304	800	2500	8	
13	1	No	Moisture Separator HP	Fabricated	0.10 cum Design Pressure 25 bar	SS304	300	1200	5	
14	2	No	Activated Carbon Tower with hot insulation 2 Nos	Fabricated	1.45 cum Design Pressure 25 bar	SS304	1400	2000	12	
15	2	No	Potassium Permanganate Tower	Fabricated	0.80 cum Design Pressure 25 bar	SS304	800	2500	8	
16	1	No	Wash Tower 1 Nos	Fabricated	0.80 cum Design Pressure 25 bar	SS304	800	2500	8	
17	1	No	Moisture Separator HP	Fabricated	0.10 cum Design Pressure 25 bar	SS304	300	1200	5	
18	2	No	Drier Tower with hot insulation	Fabricated	0.15 cum Design Pressure 25 bar	SS304	400	1200	5	
19	1	No	Hot Air Generator with hot insulation	Fabricated	Design Pressure 5 bar	CS	200	800	5	
20	1	Set	Chilling Unit complete all respect (KC63 NH3 kirloskar comp)	Boughtout	Design 20 bar, Temp -17 to -25degC	CS				
21	1	No	Control Panel	Fabricated	L&T/Siemens	CS				
22	1	No	Control Panel Heater	10.2	L&T/Siemens					
23	1	No	Control Panel for Compressor	Boughtout	L&T/Siemens					
24	1	No	Electric Motor 180HP	Boughtout	Crompton/Kirloskar/ABB/Equivalent					
25	2	No	Electric Motor 110HP	Boughtout	Crompton/Kirloskar/ABB/Equivalent					
26	1	No	Electric Motors 15HP	Boughtout	Crompton/Kirloskar/ABB/Equivalent					
27										
28	2	No	Storage Tank for Liquid CO2	Boughtout	49KL capacity(1 No)					
29	1	No	Transfer Pump		Microfinish/Equip 12000 Kg/hour					
30	1	Set	Pipeline SS304 40NB for CO2 after compressor upto drier	Boughtout						
31		Set	Pipeline for ammonia CS various sizes	Boughtout						
32		Set	Pipeline for CO2 after chiller upto storage tank 40NB CS	Boughtout						
33		Set	Pipeline for water CS/UPVC/HDPE	Boughtout						
34		set	Electric cables Polycab/Equivalent	Boughtout						
35		set	Valves- Ball Valves 40NB, 25NB, 20NB	Boughtout	Ask Make	SS304				
31		Set	Butterfly Valves various sizes SS/HDPE	Boughtout	Standard	SS				
32		set	Needle valves, Steam Valves	Boughtout	Standard	SS/CS				
33		set	Pressure Gauges and Temperature gauges	Boughtout	Standard	SS304				
34	1	set	Safety Valves various sizes/pressure	Boughtout	Baumer SS304 Glycerine filled	SS304				
35		set	Fasterners various sizes	Boughtout	standard make	SS304				
36		set	Foundation bolts/Anchor bolts	Boughtout	standard make	CS				
37		set	Erection-commissioning							
Following items in scope of Distillery Owner										
A			CO2 Pipeline from Fermenter to CO2 Plant	Boughtout	HDPE/UPVC 250NB or 350NB 4 bar					
B			Steam Pipeline from Distillery to CO2 plant with meter	Boughtout	40NB Sch40 CS Insulated 5 bar					
C			Water Pipeline from Distillery to CO2 Plant with meter	Boughtout	25NB/100NB UPVC or other					
D			Cable 500KW upto control panel co2 plant with meter	Boughtout						
E			Murum filling and compacting upto plinth level							
F			Fencing/land stand of Storage tank							
G			Drainage Line for wash water/recycling arrangement							
H			Power 25KW and Water supply for erection for 3 months							



*Handwritten signature*

*Handwritten signature*



**Annexure 12: Receipt from Gram panchayat for submitting EC**

0/C

**BAL/DIST/56/2023**

**Baramati agro**  
Linking the Basics

दि. २०.०९.२०२३

प्रती,

मा.ग्रामविकास अधिकारी/सरपंच

शेटफळगढे, ता.इंदापूर, जि.पुणे,

पिन-४१३१३०


विषय- Amended Environmental Clearance ची प्रत ग्रामपंचायत कार्यालयास सादर करणेबाबत.

महोदय,

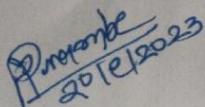
आम्ही बaramati अॅग्रो लिमिटेड यूनिट-१ शेटफळगढे, ता.इंदापूर, जि.पुणे वरील विषयास अनुसरून Amended Environmental Clearance ची प्रत आपल्या कार्यालयास सादर करित आहोत.

आपला विश्वासू

बaramati अॅग्रो लिमिटेड करिता,

  
संतोष धनवडे

जनरल मॅनेजर- डिस्टीलरी

  
२०/९/२०२३

लेखनिक  
ग्रामपंचायत शेटफळगढे  
ता.इंदापूर, जि.पुणे

Baramati Agro Limited  
बaramati अॅग्रो लिमिटेड  
Pimpali, Baramati  
Maharashtra 413102  
India

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Fax : + 91-2112-663211  
Email : mail@baramatiagro.com  
CIN : U01134PN1988PLC045873  
Website : www.baramatiagro.com





File No.: J-11011/106/2016-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
\*\*\*



Dated 29/08/2023



To,

Prakash Jathar  
M/s. BARAMATI AGRO LIMITED  
M/s. Baramati Agro Limited, village-Shetphalgade, Taluka- Indapur, District-Pune, Maharashtra ,  
Shetphalgade, PUNE, MAHARASHTRA, , 413102  
prakash.jathar@baramatiagro.com

**Subject:** Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by M/s. Baramati Agro Limited Unit 1 – Consideration of amendment of Environmental Clearance-reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND2/429029/2023 dated 13/07/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C2503MH5293857A
(ii) File No.	J-11011/106/2016-IA-II(I)
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	5(g) Distilleries
(vi) Sector	Industrial Projects - 2
(vii) Name of Project	Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by Baramati Agro Limited Unit-1.
(viii) Location of Project (District, State)	PUNE, MAHARASHTRA
(ix) Issuing Authority	MoEF&CC
(x) EC Date	08/08/2023
(xi) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

1. The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in Environmental Clearance granted by the Ministry vide EC Identification No. - EC22A022MH197089 File No. IA- J-11011/106/2016-IA-II(I) dated 28.11.2022 for expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by M/s. Baramati Agro Limited Unit 1.

2. The project proponent has requested for amendment in the EC with the details are placed at Annexure-II.

3. After detailed deliberations EAC found the justification for amendment sought satisfactory and recommended the proposal for amendment in Environmental Clearance EC.

4. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendment for Environmental Clearance (EC) dated 28<sup>th</sup> November, 2022 as stated above, for the project **Proposed expansion of distillery capacity from 300 KLPD to 600 KLPD for production of Ethanol at Shetphalgade Tehsil Indapur District Pune Maharashtra by M/s. Baramati Agro Limited Unit 1.**

5. However, all other terms and conditions mentioned in EC Identification No. - EC22A022MH197089 File No. J-11011/106/2016-IA-II(I) dated 28<sup>th</sup> November, 2022 shall remain unchanged.

6. This issues with approval of the competent authority.

**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, District Pune, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File

Annexure 1

Annexure 2

**Amendment Logs**

Description	Reference	Existing	Proposed / Amendment	Reason
Details of	Point 4. The	Rectified Spirit	Rectified Spirit or	Rectification as per



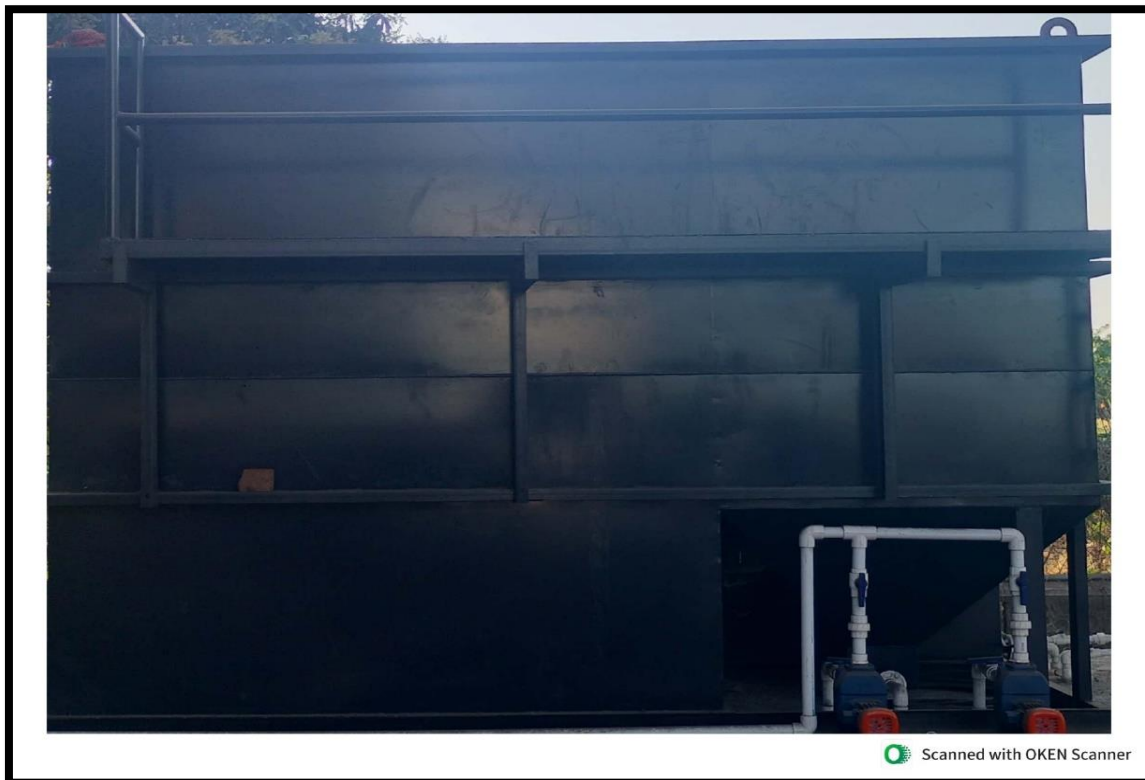
Description	Reference	Existing	Proposed / Amendment	Reason
Production Capacities	details of products and capacity under:	or Extra Neutral Alcohol - 60 KLPD	Extra Neutral Alcohol - 160 KLPD	Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under
Details of Production Capacities	Point 4. The details of products and capacity under:	Ethanol - 540 KLPD	Ethanol - 440 KLPD	Rectification as per Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under
Details of Raw Material Used	Point 4. The details of products and capacity under:	Name of Unit - Distillery (Molasses as Raw material)	Name of Unit - Distillery (Molasses/cane juice/syrup as Raw material)	Rectification as per Environmental Clearance granted F. No. J-11011 106 2016-IA II (I) dated 20.03.2017. In Point 4. The details of products and capacity as under

Signature Not Verified

Digitally Signed by: Mr A N Singh  
Member Secretary MoEFCC (EC)

Date: 17/09/2023

**Annexure 13: Photographs Of Installed STP Plant**













**Annexure 15: Photographs of Parking Space**







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