



Date-31/05/2018

Bal/Sugar/ 68 /2018

**To,**  
**The Additional Director (S),**  
Ministry of Environment and Forest and Climate Change  
Regional Office (WCZ), Ground Floor,  
East Wing, New Secretariat Building,  
Civil Line, Nagpur, Maharashtra-440 001.

**Sub:** Six Monthly Clearance Compliance Report (October 2017 to March 2018) for M/s Baramati Agro Ltd., Post - Shetphalgade, Tehsil Indapur, Dist. - Pune Maharashtra.

**Ref:** Environmental Clearance Letter No. F. No. J-11011/ 106/2016-IA-II (I) dated 20<sup>th</sup> March 2017


Dear Sir,

With reference to the above subject, we are submitting the Current Status, data sheet, monitoring reports and point wise clearance compliance status to various stipulations laid down by the Ministry of Environment, Forest and Climate Change in its clearance letter No. J-11011/ 106/2016-IA-II (I) dated 20/03/2017 along with the necessary enclosure and annexure.

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

Thanking you,

Yours Faithfully,  
Baramati Agro Ltd

  
**Prakash Jathar**  
COO  
Sugar Division, Shetphalgade

**Encl:**  
Part A: Current Status  
Part B: Point wise compliance status  
Part C: Enclosures  
Part D: Annexures  
Part E: CD

QW34253530IN INR:677434253530  
OF N.I.A. G.O. 0011005  
Counter No:1,30/06/2018,13:52  
To:THE ADDITIONAL MINISTRY OF ENV  
P.O:440001, Nagpur G.O  
From:U.T.A TECH, BAWER  
Wt:400gms  
Amt:38.00(Cash)  
<Track on www.indiapost.gov.in>  
<Call 1800 265 6848>



U.T.A

**Baramati Agro Limited**

बारामती अग्रो लिमिटेड  
Pimpali, Baramati  
Maharashtra 413102  
India

Tel : + 91-2112-221001/2/4/5  
Fax : + 91-2112-221003  
Email : mail@baramatiagro.com  
CIN : U01134PN1988PLC045873  
Website : www.baramatiagro.com



Date-31/05/2018

Bal/Sugar/ 68 /2018

To,

The Member Secretary,  
Maharashtra Pollution Control Board,  
Kalpataru Point, 2<sup>nd</sup> -4<sup>th</sup> floor, Opp.-Cineplanet Theatre,  
Near Sion Circle, Sion (East),  
Mumbai-400 022

**Sub:** Six Monthly Clearance Compliance Report (October 2017 to March 2018) for M/s Baramati Agro Ltd., Post -Shetphalgade, Tehsil-Indapur, Dist.- Pune Maharashtra.

**Ref:** Environmental Clearance Letter No. F. No. J-11011/ 106/2016-IA-II (I) dated 20<sup>th</sup> March 2017

Dear Sir,

With reference to the above subject, we are submitting the Current Status. data sheet. monitoring reports and point wise clearance compliance status to various stipulations laid down by the Ministry of Environment, Forest and Climate Change in its clearance letter No. J-11011/ 106/2016-IA-II (I) dated 20/03/2017 along with the necessary enclosure and annexure.

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

Thanking you,

Yours Faithfully,  
Baramati Agro Ltd

**Prakash Jathar**  
COO  
Sugar Division, Shetphalgade  
Encl:

- Part A: Current Status
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

CH34253512IN IIR:6777434253512  
RF N.T.A. S.D. <411045>  
Counter No:1,30/06/2018,13:52  
To: THE MEMBER SECRETARY, M.P.C.B.  
PIN:400022, Sion E  
From: ULTRA TECH, BAWER  
Wt:334gms  
Amt:34.00(Cash)  
<Track on www.indiapost.gov.in>  
<Dia 1800 266 6660>



Ultratech

Baramati Agro Limited

बारामती अग्रो लिमिटेड

Pimpali, Baramati  
Maharashtra 413102  
India

Tel : + 91-2112-221001/2/4/5  
Fax : + 91-2112-221003  
Email : mail@baramatiagro.com  
CIN : U01134PN1988PLC045873  
Website : www.baramatiagro.com



Bal/Sugar/ 68 /2018

Date-31/05/2018

To,

The Additional Director (S),  
Central Pollution Control Board,  
Parvesh Bhavan, Opp. VMC Ward, Office No. 10,  
Shubhanpura, Vadodara- 390 023 (Gujarat)

**Sub:** Six Monthly Clearance Compliance Report (October 2017 to March 2018) for M/s Baramati Agro Ltd., Post-Shetphalgade, Tehsil-Indapur, Dist. - Pune Maharashtra.

**Ref:** Environmental Clearance Letter No. F. No. J-11011/ 106/2016-IA-II (I) dated 20<sup>th</sup> March 2017

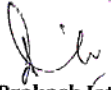
Dear Sir,

With reference to the above subject, we are submitting the Current Status, data sheet, monitoring reports and point wise clearance compliance status to various stipulations laid down by the Ministry of Environment, Forest and Climate Change in its clearance letter No. J-11011/ 106/2016-IA-II (I) dated 20/03/2017 along with the necessary enclosure and annexure.

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

Thanking you,

Yours Faithfully,  
Baramati Agro Ltd

  
**Prakash Jathar**  
COO  
Sugar Division, Shetphalgade

**Encl:**

- Part A: Current Status
- Part B: Point wise compliance status
- Part C: Enclosures
- Part D: Annexures
- Part E: CD

DP434253526IN IWR:677434253526  
RP N.T.A. S.O (011045)  
Counter No:1,30/06/2018,13:52  
To:THE ADDITIONAL CENTRAL POLLUTION  
BOARD,SHUBHANPURA S.O  
From:ULTRA TECH,BAKER  
Wt:400gms  
Amt:36.00(Cash)  
<Track on www.indiapost.gov.in>



U/T

**Baramati Agro Limited**

बारामती अग्रो लिमिटेड

Pimpali, Baramati  
Maharashtra 413102  
India

Tel : + 91-2112-221001/2/4/5  
Fax : + 91-2112-221003  
Email : mail@baramatiagro.com  
CIN : U01134PN1988PLC045873  
Website : www.baramatiagro.com

# **PART A**

## **POINT WISE COMPLIANCE STATUS**

Point wise compliance status to various stipulations laid down by the Govt. of India in its clearance letter F. No. J-11011/106/2016-IA-II (I) dated 20th March 2017 are as follows

Conditions		Status
S.N.	Specific Conditions	
i	ESP & wet scrubber with stack height of 65 m for sugar co-gen and 40m for distillery for dispersion and for proposed boiler as per SPCB consent to be installed. At no time, the emission levels shall go beyond 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.	ESP & wet scrubber with stack height of 65 m for sugar co-gen and 40 m for distillery for dispersion and for proposed boiler as per SPCB consent.
ii	Distillery unit shall be based on molasses based only and no grain based distillery unit shall be operated	Distillery unit operated on only molasses based.
iii	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by Maharashtra Pollution Control Board (MPCB).	Dust suppression system including water sprinkling system provided at loading and unloading areas to control dust emissions.  We are doing environmental monitoring regularly in the company premises. All the values are within prescribed standards limit.
iv	Company shall follow good management practices viz. collection of waste yeast sludge from fermentation section in a closed system and proper disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying spent wash to the treatment units; minimization of fugitive emissions from anaerobic treatment; proper collection & handling of excess sludge generated from the anaerobic & aerobic treatment units; minimum retention of treated & untreated spent wash in the lagoons; effective composting of the spent wash by controlled effluent spraying through mechanical system to avoid spillages & over application, blending of sludge in correct proportion with press mud; and properly finished compost and green belt development with suitable plantation in and around the treatment units to mitigate odour from the distillery unit.	Noted. This procedure are currently in place and we shall continue to follow them in future.
v	Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.	Pucca road is already provided to existing distillery.

	dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	complying with relevant guidelines of CPCB.
vii	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the MPCB. The levels of PM10, PM2.5, SO2, NOx, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	We are regularly monitoring levels of PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> , and CO in ambient air and submitted to Regional Office of MoEF, the respective Zonal Office of CPCB and the MPCB.
viii	Fresh Water need daily shall not exceed 882 m <sup>3</sup> /day. Permission of Irrigation Department be obtained.	We are not using ground water and obtain water required from irrigation department, Govt. of Maharashtra as per mentioned in EC.
ix	Spent wash to be generated will be used as compost (organic fertilizer) as proposed. Treated spent wash will be evaporated in MEE and concentrated spent wash will be bio-composted by mixing with press mud generated from sugar unit to achieve 'Zero' discharge. Evaporator Condensate, spentlees and utilities effluent shall be treated in polishing pond and recycled/reused in process. The storage of spent wash shall not exceed 5 days capacity.	<ol style="list-style-type: none"> <li>1. Spent wash quantity generated is measured every day by flow meter.</li> <li>2. Zero discharge is achieved so far by adopting scheme as re-boiler followed by bio-composting. Press mud is used as filler material. The same will be followed in future.</li> <li>3. Currently effluent from sugar, and cogen effluent is being treated in FTP. Distillery effluent is being treated via biodegestion +MEE+ bio compost route. The same will be followed in future.</li> <li>4. Evaporator condensate spentlees and utilities effluent is used/ recycled for process &amp; gardening after treatment.</li> <li>5. No effluent is being discharged outside the factory premises.</li> </ol>
x	Automatic/online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.	We have already installed 24 X 7 online system and have connected it to the SPCB server.
xi	The Company shall ensure the quantity and marketability of bio-compost produce by distilleries by standard labeling such as 'AGMARK' etc.	Noted
xii	As proposed, no effluent from distillery shall be discharged outside the premises and Zero discharge shall be adopted. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.	No effluent from distillery and cogen plant is being discharged outside the premises. 3 R's (reduce, reuse and recycle) policy is currently in place and we shall be followed in future.
xiii	Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Noted. Process effluent/any waste water generated is treated appropriately. Waste water is not mixed storm water at any stage.
xiv	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 made on monthly a basis and report submitted to SPCB and this Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate	<p>We have installed ground water quality monitoring stations by providing piezometers around the project area.</p> <p>We are regularly sampling and analyzing the ground water and reports are being submitted to Regional Office of MoEF, the respective Zonal</p>



	Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Nagpur and MPCB.	
xv	Bagasse storage should be done in such a way that it does not get air borne or fly around due to wind. Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided.	Bagasse is stored in bagasse yard in baled form. It is covered with tarpaulin so that it does not get air borne or fly around due to wind. Fly ash is stored separately as per CPCB guidelines. Direct exposure of workers to fly ash & dust is avoided.
xvi	Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of Workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	1.As per CPCB guidelines, we are regularly using bagasse as fuel. 2.The ash produced is stored separately and kept covered at dry place to avoid its mixing with air and water. 3.Workers working near ash storage are insisted to wear face mask.
xvii	Fire fighting system shall be as per the norm and cover all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.	1.Different types of fire extinguisher like water, foam and DCP are provided throughout the factory, including alcohol storage and production area. 2.At certain locations (especially near alcohol areas) foam system is installed.
xviii	Risk Assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional Office at Nagpur within six months.	Risk assessment report is submitted in previous report (June 2017)
xix	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	1.This is conducted by competent person, for health check up, diagnosis, medical aid, further inspections especially due to their occupation and exposure. 2.No incidence of any occupational health hazard, accident, unforeseen act or event. 3.Copies of medical reports and records are maintained periodically and routinely submitted to DISH and informed to visiting inspector.
xx	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	We have provided parking facility for loading and unloading of material in the factory premises and have implemented good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road. Parking and cane yard-20 acre
xxi	As proposed, green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	We maintained 42 acres of greenery belt at our site. We planted different species of forest and other plants. We maintained small nursery in monsoon season in each year.
xxii	All the commitments made during the Public Hearing/Public Consultation meeting held on 19.08.2016 should be satisfactorily implemented and adequate budget provision should be made accordingly.	Questions raised by people during public hearing were answered satisfactorily and the implementations are being carried out as promised.
xxiii	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/ details shall be prepared and submitted	Noted

	Implementation of such program shall be ensured accordingly in a time bound manner.																			
xxiv	A regular environment manager having post graduate qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.	Regular supervision of the above and other measures for monitoring is being supervised by Project Engineer and qualified supervisors.																		
xxv	The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance /violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	<p>Hierarchy system and process of informing non compliance /violation &amp; other of environmental norms is given below</p> <table border="1"> <thead> <tr> <th>Level</th><th>Designation</th><th>Purpose</th></tr> </thead> <tbody> <tr> <td>• Highest</td><td>• COO/ Managing Director</td><td>• Policy</td></tr> <tr> <td>• Top</td><td>• Gen Manager</td><td>• Guide</td></tr> <tr> <td>• Overvie w</td><td>• Watch Dog Committee</td><td>• Super- Check</td></tr> <tr> <td>• Manage r</td><td>• Chief Engineer/ Chief Chemist/ Environmental Scientist</td><td>• Job (*)</td></tr> <tr> <td>• Executi ve</td><td>• Shift-in-charge</td><td>• Implement</td></tr> </tbody> </table> <ul style="list-style-type: none"> <li>• Manager and executive level staff is required to comply with conditions in Environmental Clearance</li> <li>• Watch Dog Committee overviews the day-to day work of Environment Management Cell and Compliance of conditions in Environmental Clearance</li> <li>• Any environmental issue or non-compliance is reported directly to Managing Director</li> </ul>	Level	Designation	Purpose	• Highest	• COO/ Managing Director	• Policy	• Top	• Gen Manager	• Guide	• Overvie w	• Watch Dog Committee	• Super- Check	• Manage r	• Chief Engineer/ Chief Chemist/ Environmental Scientist	• Job (*)	• Executi ve	• Shift-in-charge	• Implement
Level	Designation	Purpose																		
• Highest	• COO/ Managing Director	• Policy																		
• Top	• Gen Manager	• Guide																		
• Overvie w	• Watch Dog Committee	• Super- Check																		
• Manage r	• Chief Engineer/ Chief Chemist/ Environmental Scientist	• Job (*)																		
• Executi ve	• Shift-in-charge	• Implement																		
xxvi	Physical infrastructure and drinking water availability for the nearby villages may be improved under CSR plan.	Noted																		
xxvi i	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	We have provided all necessary infrastructure and facilities to labor such as toilets, safe drinking water, medical health care, crèche & first aid room etc.																		
xxviii	Zero Liquid Discharge shall be ensured.	Noted																		
<b>A. General Conditions:</b>																				
i	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.	We will strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.																		
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if	<ul style="list-style-type: none"> <li>• Whenever we will propose expansion, we will get environmental clearance from concern authority / MoEF, Delhi.</li> <li>• We undertake that no further extra production in the plant shall be carried out without prior approval of MoEF, New Delhi.</li> </ul>																		



iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Noted
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 shall be followed.	Noted
v	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	1.Noise controlling measures as per environment management plan are taken including trees barriers. 2.Noise level monitoring reports are submitted regularly MPCB and Regional Office, Nagpur. 3.All values are within prescribed standards. Please refer <b>Annexure no. 1</b>
vi	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Noted
vii	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training on safety, health and chemical handling is given to all employees. Medical examination is conducted before employment and periodically after employment for all workers.
viii	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Noted
ix	The company shall undertake all relevant measures for improving the socio- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Noted
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted
xi	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment management cell is established and it is headed by qualified and experienced officer.
xii	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.	Separate funds are allocated for implementation of environmental protection measures / EMP along with item-wise breaks-up. Please refer Budgetary Allocation for Environ-Mental Management Plans <b>For Operation Phase-</b> Capital Cost-10.4/- Crores O&M Cost: 2.5 Crores/annum
xiii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad Municipal Corporation, Urban local Body	Clearance letter copy is sent to local NGO. Acknowledgement copy is submitted in previous

	representations, if any, were received while processing the proposal.	
xiv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	We are submitting six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to Regional Office, MoEF, Nagpur and the respective Zonal office of CPCB and the SPCB.
xv	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.	We are regularly submitting environmental statement to Member Secretary, Maharashtra Pollution Control Board, Mumbai. Please refer <b>Annexure No.2</b>
xvi	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://moef.nic.in">http://moef.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 is already published in local Marathi newspaper- "Kesari" and "Indian Express" on 26th March 2017. Advertisement copy is submitted in previous report (June 2017)
xvii	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
15.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Noted
16.	The above conditions will be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

## PART B

ENCLOSURE NO.	ENCLOSURES
ENCLOSURE I	DATA SHEET IN FORMAT WITH PART-I, PART-II & PART-III
ENCLOSURE II	COPY OF ENVIRONMENTAL CLEARANCE
ENCLOSURE III	COPY OF CONSENT TO OPERATE

# **ENCLOSURE I**

**DATA SHEET IN FORMAT WITH PART-I, PART-II  
& PART-III**

**Monitoring the Implementation of Environmental Safeguards**  
**Ministry of Environment, Forest and Climate Change**  
**Regional Office (WCZ), Nagpur**

**DATA SHEET**

**Date:- 29.05.2018**

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)	:	Industrial Project (Sugar, Cogen and Distillery)
2.	Name of the project	:	Expansion of Sugar Unit (4500 TCD to 12000TCD), Cogeneration Power Plant (20MW to 70 MW) and Distillery Unit (60 KLPD to 160 KLPD) at post Shetphalgade, Tal.-Indapur, Dist.-Pune
3.	Clearance letter ( s ) / OM No. and Date	:	Clearance Letter No. J-11011/106/2016-IA.II (I), Dated 20 <sup>th</sup> March, 2017
4.	Location	:	
	a. District ( S )	:	Pune
	b. State ( s )	:	Maharashtra
	c. Latitude/ Longitude	:	Latitude-18.27 N Longitude 75.67 E
5.	Address for correspondence	:	
	a. Address of Concerned Project Manager Chief Engineer ( with pin code & Telephone / telex / fax number	:	Mr.Rajendra D. Pawar Chairman cum Managing Director M/s. Baramati Agro Ltd. at post Shetphalgade, Tal.-Indapur, Dist.-Pune
	b. Address of Project: Engineer/Manager (with pin code/ Fax numbers )	:	Mr.Rajendra D. Pawar Chairman cum Managing Director M/s. Baramati Agro Ltd. at post Shetphalgade, Tal.-Indapur, Dist.-Pune
6.	Salient features	:	
	a. of the project	:	Sugar Unit -(From 4500 TCD to 12000TCD) Cogeneration Power Plant (20MW to 70 MW) and Distillery Unit (60 KLPD to 160 KLPD)
	b. of the environmental management plans	:	<ul style="list-style-type: none"> <li>• Emission Control Engineering</li> <li>• Water &amp; wastewater management</li> <li>• Greening drive</li> <li>• Monitoring</li> </ul>
7.	Breakup of the project area	:	
	a. submergence area forest & non-forest	:	Non forest
	b. Others	:	<ul style="list-style-type: none"> <li>• Factory Sheds &amp; buildings-<b>14 acre</b></li> <li>• Open space, utilize for Bagasse storage, WTP, ETP,Molasses storage tank, Cooling tower, Spray pond, Switch yard &amp; 15 days storage for ETP treated water-<b>20 acre</b></li> <li>• Open space for green belt - <b>42 acre</b></li> <li>• Roads - <b>6 acre</b></li> </ul>
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	:	No



	a.	SC, ST/Adivasis	:	No
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	No
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	:	460 Crores Only
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	<b>Environmental Management Plan (EMP)</b>  <b>During operational Phase:</b> Capital Cost- Rs. 19.15/- Crores O&M Cost: Rs. 6.65 Crores/annum
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	
	d.	Whether ( c ) includes the Cost of environmental management as shown in the above.	:	
	e.	Actual expenditure incurred on the project so far	:	
	f.	Actual expenditure incurred on the environmental management plans so far	:	O&M Cost: Rs. 6.65 Crores/annum
10.	Forest land requirement		:	
	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, it any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
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		:	
	a.	Date of commencement ( Actual and/or planned )	:	In the year 2008 after obtaining EC (1 <sup>st</sup> ) and/or CTE In the year 2017after obtaining EC (2 <sup>nd</sup> )
	b.	Date of completion ( Actual and/or planned )	:	In the Year 2017
13.	Reasons for the delay if the Project is yet to start		:	--
14.	Dates of site visits		:	
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	Not yet visited
	b.	Date of site visit for this monitoring report	:	28.12.2018
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 )		:	Not Applicable

	(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.)	:	
--	---	---	--

**PART I**

**PROJECT DETAILS**

<b>Name &amp; Location</b>	: M/s. Baramati Agro Ltd., At post Shetphalgade, Tal.-Indapur, Dist.-Pune
<b>Total no. of workers to be employee</b>	: 960 nos.
<b>Estimated Project cost</b>	: 460 Crores Only
<b>Project infrastructure</b>	: Sugar Unit -(From 4500 TCD to 12000TCD) Cogeneration Power Plant (20MW to 70 MW) and Distillery Unit (60 KLPD to 160 KLPD)
<b>Plot Area Breakup</b>	: <ul style="list-style-type: none"> <li>• Total Land use-110 acres</li> <li>• Factory Sheds &amp; buildings-14 acre</li> <li>• Open space, utilize for Bagasse storage, WTP, ETP,Molasses storage tank, Cooling tower, Spray pond, Switch yard &amp; 15 days storage for ETP treated water-20 acre</li> <li>• Open space for green belt - 42 acre</li> <li>• Roads - 6 acre</li> </ul>
<b>Water Requirement and Sources</b>	: <b>Total water required:</b> 2492 m <sup>3</sup> /day <b>Source-</b> Irrigation Department
<b>Sewage generated</b>	: 320 m <sup>3</sup> /day Effluent: Sugar - co-gen 800 m <sup>3</sup> /day. Effluent: Distillery: 1250 m <sup>3</sup> /day.
<b>ETP Details</b>	: <ul style="list-style-type: none"> <li>• Sugar Cogen ETP-800 KLD</li> <li>• Distillery treatment via bio digestion + MEE+ Composting</li> </ul>
<b>Power</b>	: <ul style="list-style-type: none"> <li>• 1400 KW (MSEB &amp; Self Co-gen)</li> </ul>
<b>Solid waste from .</b>	
<b>Waste</b>	<b>Quantity</b>
Canteen	: 100 kg
Colony	: 500 kg
ETP sludge	: 116 kg
Office	: 50 kg
Yeast Sludge	: 167 kg
Ash	48 TPD
Lube oil	18 kg/day

## PART II- ENVIRONMENT MANAGEMENT PLAN (EMP)

### Objectives:

- a. To define the components of environmental management.
- b. To prepare an environmental hierarchy.
- c. To prepare a checklist for statutory compliance.
- d. To prepare environmental organization.
- e. To prepare a schedule for monitoring and compliance.
- f. To establish a watchdog committee voluntarily.

The Company has an environment policy, which basically includes all these objectives. The administrative hierarchy is so kept that any untoward incident will be reported directly to the Managing Director. This has avoided generation of complaints or environmental misbehavior like violations. For prevention, abatement and control, followed by mitigation, proper hierarchical system or Administrative order of the company is maintained with Director reporting to the Managing Director. For day to day control, General Manager & Environmental Scientist are responsible and they are supported by field officers, field inspectors, laboratory staff, garden supervisors, mechanical and electrical fitters and CSR/CER in-charge. For this purpose, adequate funds for capital cost & recurring cost/annum for environmental pollution control measures are earmarked and will be spent. This will also include Corporate Social Responsibility & Corporate Environment Responsibility.

### Environment Components:

TI is aware that environmental management is not a job, which can be handled without a careful planning. The success lies if three components are simultaneously present viz. (1) management support, (2) efficiency of the environment management cell and (3) acceptability of resulting environmental quality, both by SPCB and by public. A structure of this plan and hierarchy of process flow for environmental management is prepared and enclosed as logics, which is self-explanatory. TI will adopt this structure and hierarchy, which is akin to principles and practice.

#### i) Air Environment:

- a) Monitor the consented parameters at ambient stations.
- b) Maintain a record of running of DG (diesel generating) sets
- c) Monitor the stacks or vents fitted to sections of raw material, manufacture, thermal and DG power plants.

#### ii) Water Environment:

- a) Keep record of input water every day for quantity and periodically of quality.
- b) Measures are taken to segregate the sub-streams of effluent as per their characterization.
- c) Water conservation is accorded high priority in every section of the factory.
- d) Keep record of wastewater returned back to process, to utilities and to gardening, both the quantity and quality details.

#### iii) Aesthetic (Noise & Odour) Environment:

- a) Monitor the ambient noise level and work zone noise level to confirm the stipulated norms.
- b) Creation of awareness for noise attenuation and mitigation program.
- c) Monitor the ambient odour level and work zone odour level by sensing.
- d) Creation of awareness for odour attenuation and mitigation program

**iv) Biological Environment:**

- a) Special attention is planned to maintain green belt in and around the factory premises.
- b) Adequate provisions are made to facilitate daily watering of all plants and lawns. Special attention provided during summer to ensure that the green belt does not suffer from water shortage.
- c) Development & maintenance of green belt to be considered as a priority issue.
- d) No outside soil is brought for any building/ greenery developments.

**v) Socio- Economic Environment:**

- a) The operators and workers are trained in various aspects of ESH (Environment, Safety and Health).
- b) The managers and officers involved in Environment Management Cell shall undergo refresher workshop and up gradation of information on various environmental issues.
- c) The industry shall help in promoting the activities related to environmental awareness in nearby villages/ neighbors.
- d) The industry shall help in promoting local people for livelihood commensurate with their will, skill and abilities.

**Environmental Monitoring Schedule:**

A judgment can become truncated if it is not scientifically supported. This work is done by an appropriate monitoring which is a technique of drawing a sample and deriving inferences from the same for knowledge and improvements.

A scheme for this is already prepared and presented in chapter Six above. Watch-dog committee will also help in examining this physically for organolyptic tests.

Monitoring is a technique of drawing a sample and understanding from it the universe. The sampling station, the parameters and frequency is of extreme importance as also the careful analysis, reporting and interpretation. The schedule decided for a small activity like that of TI is as given in chapter six:

Daily, monthly, quarterly and yearly schedule of inspection and monitoring is worked out as a part of Environmental Management plan (EMP) with specific reference to air pollution control system, water & waste water management , monitoring frequency , responsibility and time bound implementation plan for mitigation measures.

**Schedules:**

There will be three facets to design and follow the schedules viz.: (A) for compliance of responsibilities, (B) for day-to-day operation and management of ETP and ECE, and (C) for routine environmental monitoring, to assess the impact and take timely warning. The schedule:

**i) Daily Compliance:**

- 1. Take the meter readings - initial and final, for checking the water consumption.
- 2. Maintain the electricity consumption record for pollution control.
- 3. Monitor ambient air periodically as per Consent.



**ii) Monthly Compliance:**

1. Monitor the emission sources through the competent authority and submit the analysis reports to the board.
2. Monitor ambient/work zone noise levels & ensure conformance to standards.

**iii) Quarterly Compliance:**

1. Monitor the ambient air quality at upwind and downwind locations of the factory.
2. Review the Water Reuse performance.

**iv) Yearly Compliance:**

1. Carryout "Environmental Audit Statement" of various environmental aspects, review the environmental policies with the help of experts and make the upgradation /changes accordingly.
2. Submit the "Environmental Statement" to the State Pollution Control Board in Form V under Rule 14 of the Environment (Protection) Second Amendment Rules 1992 of the Environment (Protection) Act, 1986.
3. Renew the Consent to Operate under the Water and Air Acts.
4. File the Cess returns to the State PCB under the Water (Prevention and Control of Pollution) Cess Act, 1977.
5. Renew the Hazardous Waste Authorization under sub-rule 3 of the Hazardous Waste (Management and Handling) Rules, 1989.

**v) Consent Compliance**

TI undertakes to comply the conditions prescribed by the Consent. In this direction, the following discipline will be followed:

#	Condition Regarding	Mode of Compliance
1	Validity Period	CTO-Validity date 31.07.2018
2	Production Quantity	Not to exceed the permitted quantity.
3	Quantity of Effluent	To be measured daily and in-plant control. Not to exceed any time
4	Quantity of Sewage	To be measured periodically. Not to exceed
5	Total water input	To be measured daily. Repair meters. Not to exceed. Make break-up as per usages. Fill monthly Cess returns. Pay as per assessment
6	Quality of Effluents	By running ETP in correct fashion. Monitor. Report
7	Disposal of treated effluent	Not over application. No percolation, no spillages. Monitor.
8	Fuel Quantity	Not to exceed permitted quantity
9	Emission System	Control Boiler dampers, ID/FD fans, CO <sub>2</sub> %, Monitor
10	Ambient	Keep monitoring.
11	Noise levels	Check foundation for vibrations, Tree plantation
12	Solid Waste	Quantity to be measured & record kept. Bagasse to be baled. Molasses not in open pits. Press Mud to be carted out every day

13	Environ. Audit	To be complied every year before 30 <sup>th</sup> sept.
14	Inspections	Inspection Book to be opened. Instructions given by SPCB visiting officer to be complied and reported.

Table No.10.1: Consent Compliance

For above compliance Action will be taken by the Cell under the Managing Director himself.

**Watch-dog Committee:**

A high power watch dog committee will be set up which will have a power of sudden spot inspections, checking of documents and listening to complaints if any. This committee will supervise over the monitoring and environmental management cell as may be necessary, generally over the following facets of works:

1. Permit management
2. Construction management
3. Treatment and emission management
4. Transport management
5. Disposal management
6. Monitoring
7. Documentation
8. Law enforcement

Watch-dog committee will also keep a watch on implementation of socioeconomic welfare activity,

Compliances of public hearing issues, waste minimization, recycle/reuse/recover techniques, energy conservation, & natural resources conservation, Occupation Health & safety and provisions regarding infrastructure facilities such as sanitation, fuel, restroom etc. to the labour force during construction as well as to the casual workers including truck drivers during operation phase

**PART -III**

**ALLOCATION MADE FOR ENVIRON-MENTAL MANAGEMENT PLANS**

**FUNDS FOR MANAGEMENT AND MONITORING FUNDING**

#	Environmental Aspect	Capital Expenditure Rs in Crores	Recurring Expenditure Rs. in Crores (per annum)
1	Emission control Engineering	2.5	0.50
2	Water & Wastewater management	3.5	1.00
3	Solid Waste	1.0	0.3
4	Greening Drive	0.9	0.2
5	Monitoring	0.5	0.2
6	Environmental Cell & PR	0.5	0.1
7	Other aspects like Rain Water Harvesting, Safety, Security etc.	1.5	0.2
	<b>Total</b>	<b>10.4</b>	<b>2.5</b>

# **ENCLOSURE II**

**COPY OF ENVIRONMENTAL CLEARANCE**

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

Indira Paryavaran Bhawan  
Aliganj, Jor Bagh Road,  
New Delhi -110 003

Telefax: 011-24695365  
E-mail: [yogendra78@nic.in](mailto:yogendra78@nic.in)

Dated: 20<sup>th</sup> March, 2017

To,  
The Managing Director  
M/s Baramati Agro Ltd.  
Post Shetphalgade, Tehsil Indapur,  
District Pune, Maharashtra

**Sub: 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) at Post Shetphalgade, Tehsil Indapur, District Pune, Maharashtra by M/s Baramati Agro Ltd. -Environmental Clearance - reg.**

**Ref: Online Proposal No. IA/MH/IND2/27937/2015 dated 04<sup>th</sup> October, 2016.**

Sir,

This has reference to your online proposal no. IA/MH/IND2/27937/2015 dated 04<sup>th</sup> October, 2016, along with project documents including Form I, Terms of References, Pre-feasibility Report and EIA/EMP Report with public hearing report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is 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) at Post Shetphalgade, Tehsil Indapur, District Pune, Maharashtra by M/s Baramati Agro Ltd. As informed and as per the documents submitted by the Project Proponent (PP), the units will be established in the same premises of the existing sugar industry. The total plot area for the proposed expansion project is 18 Acres. The total cost of the project is ₹ 460 Crores. 2.5% of the project cost, which is estimated to be ₹ 11.5 crore is earmarked for CSR activities. The raw material, molasses and Bagasse generated from the sugar plant will be utilized in the proposed distillery and power plant, respectively. No Reserve Forest/Protected area/Eco-Sensitive Area/Coral Formation falls within 10 km radius from the project site. The following products will be generated by the company:

S. No.	Product	Production			Working days
		Existing	New	Total	
1	Crystalline Sugar	4500	7500	12000 TCD	180
2	Co-gen power	20	50	70 MW	240
3	Distillery(Ethyl Alcohol)	60	100	160 KLPD	270



be installed. Solid wastes are proposed to be used as raw material or fuel or as manure. Hazardous waste is only in the form of limited waste oil and can be used after separation either for lubricating the carts or burnt in boiler along with bagasse. Ash will be used for brick-making as well as for farming.

12. The EAC, in its 16<sup>th</sup> meeting held on 8<sup>th</sup> - 9<sup>th</sup> December, 2016 has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

13. Based on the proposal and information submitted by the Project Proponent, and considering the recommendation of the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

**A. Specific Conditions:**

- (i) ESP & wet scrubber with stack height of 65 m for sugar co-gen and 40m for distillery for dispersion and for proposed boiler as per SPCB consent to be installed. At no time, the emission levels shall go beyond 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.
- (ii) Distillery unit shall be based on molasses based only and no grain based distillery unit shall be operated.
- (iii) In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by Maharashtra Pollution Control Board (MPCB).
- (iv) Company shall follow good management practices viz. collection of waste yeast sludge from fermentation section in a closed system and proper disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying spent wash to the treatment units; minimization of fugitive emissions from anaerobic treatment; proper collection & handling of excess sludge generated from the anaerobic & aerobic treatment units; minimum retention of treated & untreated spent wash in the lagoons; effective composting of the spent wash by controlled effluent spraying through mechanical system to avoid spillages & over application, blending of sludge in correct proportion with press mud; and properly finished compost and green belt development with suitable plantation in and around the treatment units to mitigate odour from the distillery unit.
- (v) Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery so as to avoid fugitive emissions.

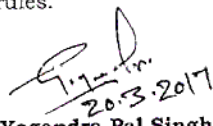


- (xix) Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.
- (xx) Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- (xxi) As proposed, green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (xxii) All the commitments made during the Public Hearing/Public Consultation meeting held on 19.08.2016 should be satisfactorily implemented and adequate budget provision should be made accordingly.
- (xxiii) At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.
- (xxiv) A regular environment manager having post graduate qualification in environmental sciences/environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.
- (xxv) The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- (xxvi) Physical infrastructure and drinking water availability for the nearby villages may be improved under CSR plan.
- (xxvii) Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.
- (xxviii) Zero Liquid Discharge shall be ensured.

**B. General Conditions:**


- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- 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.
- xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local 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.
- xvii. 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.
14. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.
16. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
20.3.2017  
(Yogendra Pal Singh)  
Scientist 'D'

**Copy to:-**

1. The Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, Mumbai - 400 032.
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 440001.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai - 400 022.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh, New Delhi - 110 003.
6. Guard File/Monitoring File/Website/Record File.

  
20.3.2017  
(Yogendra Pal Singh)  
Scientist 'D'

# **ENCLOSURE III**

**COPY OF CONSENT TO OPERATE**

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701  
Fax: 24024068 /24023515  
Website: <http://mpcb.gov.in>  
E-mail: [mpcb@vsnl.net](mailto:mpcb@vsnl.net)



Kalpatri Point, 2<sup>nd</sup> - 4<sup>th</sup> Floor,  
Opp. Cine Planet Cinema,  
Near Sion Circle, Sion (E)  
Mumbai - 400 022

08/03/2018

Red/LSI

Date: -102/2018.

Consent No: Format 1.0/BO/CAC-CELL/UAN No. 0000027668 & 0000027014/R/CAC-

1803000361

To,  
M/s. Baramati Agro Ltd.,  
Serphalgade, Ta. Indapur,  
Dist. Pune.

Subject : 1<sup>st</sup> consent to operate for expansion of 4500 TCD Sugar & 10 MW with amalgamation with Renewal of Consent to Operate of 4500 TCD Sugar & 20 MW Co-generation unit, under RED category.

Ref : 1. Consent to Operate granted by the Board vide no. BO/CAC-CELL/UAN No. 0000005290/R/CAC-1701000686 dtd 16.01.2017.  
2. Consent to Operate granted by the Board vide no. BO/PN-20892-14/E/CAC-6652 dtd 16.07.2014.  
2. CAC meeting held on 27.09.2017.

Your application: UAN No. 0000027668 & 0000027014.  
Dated: 01.07.2017.

For 1<sup>st</sup> consent to operate for expansion of 4500 TCD Sugar & 10 MW with amalgamation with Renewal of Consent to Operate of 4500 TCD Sugar & 20 MW Co-generation unit (Total 9000 TCD Sugar & 30 MW Co-generation), under RED category, under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (M & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted from a period 01.08.2017 to 31.07.2018.
2. The actual total investment of the industry is Rs. 337.42 Cr. (As per C. A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of-

Sr. No.	Product / By-Product Name	Maximum Quantity in MT/M
1	Sugar	29700
2	Molasses	10800
3	Pressmud	10800
4	Bagasse	81000
5	Electric Power (Cogeneration)	30 MW

(The cane crushing Capacity of Sugar Industry shall not exceed 9000 TCD)

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

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	910 (Sugar 880 + Co-gen 40)	As per Schedule -I	40 CMD shall be 100% recycle & 920 CMD on land for irrigation



Schedule-I

I) Terms & Conditions for compliance of Water Pollution Control

1) A] As per your application, you have provided Effluent Treatment Plant with capacity 900 CMD, comprising of Grit Chamber, Oil & Grease Trap, Neutralization Tank, Equalization Tank, Primary Clarifier, Aeration Tank, Secondary Clarifier & SDB's.

2) B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	pH	5.5-9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Sulphate	1000
05	Suspended Solids	100
06	COD	250
07	Chloride	600
08	Total Dissolved Solids	2100

C] The treated effluent 930 CMD of Sugar unit shall be disposed on land for irrigation on 25 acres of own land /as per the bilateral agreement with farmers. **In no any case treated/untreated effluent shall find its way outside the factory premises directly or indirectly.**

D] Trade effluent of 40 CMD of Co-gen shall be 100% recycle in process.

E] CREP conditions for Sugar Factory

- Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS. So as to meet prescribed standards from day one the operation of mill.
- Waste water generation shall be maintained as 100 liters per ton of cane crushed.
- Industry shall achieve zero discharge into in land surface water bodies.
- 15 days storage capacity tank shall be provided for treated effluent to take care of no demand for irrigation.

F] Industry shall maintain properly the arrangement provided for covering the effluent collection system and to avoid the ingress of Bagasse other material.

G] **The unit shall operate ETP even after completion of the crushing season so that any effluent generated during washing & maintenance is discharged after proper treatment.**

H] **The unit shall optimize water use in industrial process & maintain records of water consumption & waste water generation.**

3) A] As per your consent application, for the 80 CMD sewage generation you have provided septic tank & soak pit for the treatment of sewage.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

(1)	Suspended Solids	Not to exceed	100	mg/l.
(2)	BOD 3 days 27°C	Not to exceed	100	mg/l.

### Schedule-II

#### Terms & conditions for compliance of Air Pollution Control

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

Sr. No.	Stack Attached to	APC System	Height in meter	Type of Fuel	Quantity	S %	SO <sub>2</sub> Kg/ Day
1.	Boiler (110 TPH)	ESP	65	Bagasse	1080 MT/Day	0.2 %	4320
2.	Boiler (40 TPH)	ESP	49	Bagasse	418 MT/Day	0.2 %	2320

2. The Applicant shall provide ESP/ Bag filter/ Wet scrubber to the Bagasse fired boiler and Dust Collector to Sugar bagging section as an Air Pollution control equipments OR as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:
- |                    |               |                        |
|--------------------|---------------|------------------------|
| Particulate matter | Not to exceed | 150 mg/Nm <sup>3</sup> |
|--------------------|---------------|------------------------|
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

### Schedule-III

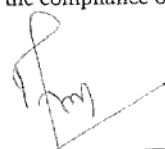
#### Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amount of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1.	Renewal of C to O	Rs. 5.0 /- Lakhs	To be extended.	O & M for achieving Consented standards of effluent.	31.07.2018	30.11.2018
2.	Renewal of C to O	Rs. 5.0 /- Lakhs	15 days	Towards O & M of APC System to achieve emission standards	31.07.2018	30.11.2018

the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

- c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 17) The industry should not cause any nuisance in surrounding area.
- 18) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 19) The applicant shall maintain good housekeeping.
- 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 21) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 22) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 23) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 24) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 27) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 28) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

-----0000-----



# PART C

ANNEXURE NO.	ENCLOSURES
ANNEXURE 1	POLLUTION MONITORING REPORTS
ANNEXURE 2	ENVIRONMENTAL STATEMENT COPY

# **ANNEXURE 1**

## **POLLUTION MONITORING REPORTS**



Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-097/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

<b>SAMPLE PARTICULARS :</b>	<b>AMBIENT AIR QUALITY MONITORING</b>
Sampling Plan Ref. No. : C-39/12-2017	Location Code : 01
Sample Registration Date : 01/01/2018	Sample Location : Near Main Gate
Date of Sampling : 28/12/2017 to 29/12/2017	Co-ordinates N18°27'04.68"; E74°67'06.31"
Time of Sampling : 09:30 Hrs. to 09:30 Hrs.	
Analysis Starting Date : 01/01/2018	Collected By : ULTRA-TECH
Analysis Completion Date : 05/01/2018	Height of Sampler : 1.0 Meter
Sample Lab Code : UT/ELS/C-253/12-2017	Sampling Duration : 24 Hours
Ambient Air Temperature : 30.2 °C to 33.1 °C	Relative Humidity : 45.4 % to 56.4 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	16	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	28	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	83	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	42	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10) : 1999	1.1	mg/m <sup>3</sup>

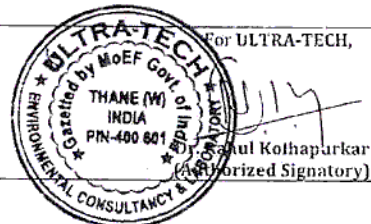
†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLTECH; Model - PEM RDS 8N1; Sr. No. 1114	Valid up to - 24/01/2018
	Fine Dust Sampler	Make - NETEL; Model - NFM-FDS 2.5 A; Sr. No. FDS-03	Valid up to - 06/03/2019

Note: 1. This test report refers only to the sample tested.  
2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.  
3. This test report may not be reproduced in part, without the permission of this laboratory.  
4. Any correction invalidates this test report.  
5. Weather was Sunny and Clear during sampling period.

- END OF REPORT -



Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-9674488198 - kolkata@ultratech.in Delhi : +91-11-40158500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in





Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka - Indapur  
District - Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-098/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

**SAMPLE PARTICULARS :**

Sampling Plan Ref. No. : C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date of Sampling : 29/12/2017 to 30/12/2017  
Time of Sampling : 10:00 Hrs. to 10:00 Hrs.  
Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 05/01/2018  
Sample Lab Code : UT/ELS/C-254/12-2017  
Ambient Air Temperature : 24.3 °C to 33.3°C

**AMBIENT AIR QUALITY MONITORING**

Location Code : 02  
Sample Location : Near Store Room  
Co-ordinates: N18°27'05.85"; E74°67'24.97"

Collected By : ULTRA-TECH  
Height of Sampler : 1.0 Meter  
Sampling Duration : 24 Hours  
Relative Humidity : 59.1 % to 77.9 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	13	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	23	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method 10-2.1	74	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	40	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10) : 1999	1.2	mg/m <sup>3</sup>

†: Sampling Period 1 Hr.

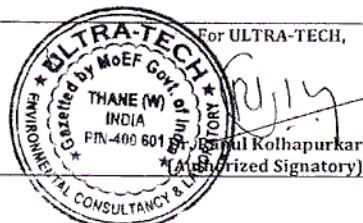
**Opinions / Interpretations:** National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLTECH; Model - PEM RDS BNL; Sr. No. 1114	Valid up to - 24/01/2018
	Fine Dust Sampler	Make - NETEL; Model - NPM-FDS 2.5 A; Sr. No. FDS-03	Valid up to - 06/03/2019

**Note:**

1. This test report refers only to the sample tested.
2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.
3. This test report may not be reproduced in part, without the permission of this laboratory.
4. Any correction invalidates this test report.
5. Weather was Sunny and Clear during sampling period.

- END OF REPORT -



Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22-2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9995200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-9674488198 - kolkata@ultratech.in Delhi : +91-11-40158500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in





Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-099/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

**SAMPLE PARTICULARS :**  
Sampling Plan Ref. No.: C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date of Sampling : 30/12/2017 to 31/12/2017  
Time of Sampling : 10:30 Hrs. to 10:30 Hrs.  
Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 05/01/2018  
Sample Lab Code : UT/ELS/C-255/12-2017  
Ambient Air Temperature : 27.2 °C to 32.1 °C

**AMBIENT AIR QUALITY MONITORING**  
Location Code : 03  
Sample Location : Near Distillery  
Co-ordinates: N18°27'21.43"; E74°67'48.48"  
Collected By : ULTRA-TECH  
Height of Sampler : 1.0 Meter  
Sampling Duration : 24 Hours  
Relative Humidity : 63.7 % to 73.2%

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182 (Part 02) : 2001	18	µg/m <sup>3</sup>
2.	Oxides of Nitrogen (NO <sub>x</sub> )	IS 5182 (Part 06) : 2006	30	µg/m <sup>3</sup>
3.	Particulate Matter (PM <sub>10</sub> )	EPA/625/R-96/010a Method IO-2.1	75	µg/m <sup>3</sup>
4.	Particulate Matter (PM <sub>2.5</sub> )	UT/LQMS/SOP/AA05	38	µg/m <sup>3</sup>
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10) : 1999	1.3	mg/m <sup>3</sup>

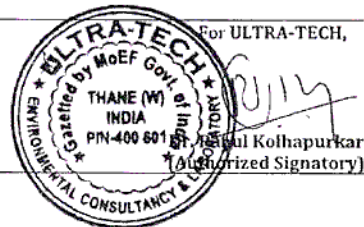
† Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is enclosed as Enclosure-I for your reference.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - POLLTECH; Model - PEM RDS BNL; Sr. No. 1114	Valid up to - 24/01/2018
	Fine Dust Sampler	Make - NETEL; Model - NPM-FDS 2.5 A; Sr. No. FDS-03	Valid up to - 06/03/2019

Note: 1. This test report refers only to the sample tested.  
2. Monitoring area coming under Residential areas and observed values are relevant to sample collected only.  
3. This test report may not be reproduced in part, without the permission of this laboratory.  
4. Any correction invalidates this test report.  
5. Weather was Sunny and Clear during sampling period.

- END OF REPORT -





Environmental Lab [Gazetted by MoEF-GOI]  
ISO 9001 : 2015  
OHSAS 1800 : 2007

## ENCLOSURE-I

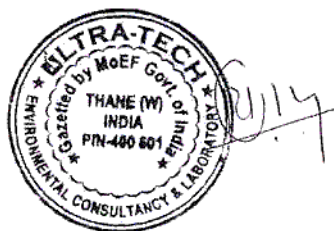
**NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV**  
**The Gazette of India with Effect from Wednesday, November 18, 2009/KARTIKA 27, 1931**

Sr. No.	Pollutants	Time Weighted Average	National Ambient Air Quality Standards	
			Industrial, Residential, Rural and Other Area	Ecological Sensitive Area (Notified by Central Government)
01.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO <sub>x</sub> ), µg/m <sup>3</sup>	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m <sup>3</sup>	08 Hours*	02	02
		01 Hours**	04	04

\* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

\*\* 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

NOTE: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further



Page 1 of 1

Lab : Survey No. 93/A, Conformity Hissa No 2 G.V Brothers Bldg., Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telo : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in  
H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601, Maharashtra, India  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in  
Pune : +91-20-252861 05/61 09 - pune@ultratech.in • Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in • Bangalore: +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata: +033-40089145 / +91-9674488198 - kolkata@ultratech.in • Singapore: +65-67548189 - singapore@ultratech.in  
www.ultratech.in



Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G V Brothers Building, Bata Compound Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-100/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

### SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-39/12-2017  
Date of Monitoring : 28/12/2017

### NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/C-256/12-2017  
Survey Done By : ULTRA-TECH

Sr. No.	Location	Noise Level Reading in dB(A)			
		Time (Hrs)	Day dB(A)	Time (Hrs)	Night dB(A)
01.	Near Main Gate	15:00 to 15:05	71.8	03:50 to 03:55	44.1
02.	Near Store Room	15:15 to 15:20	72.4	04:05 to 04:10	43.6
03.	Near Distillery	15:30 to 15:35	74.8	04:20 to 04:25	44.3
04.	Near ETP	15:45 to 15:50	73.6	04:35 to 04:40	43.9

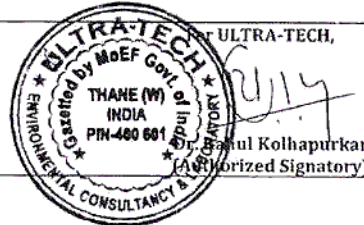
Opinions / Interpretations: The Noise Pollution (Regulation and Control) Rules, 2000; Standard is Enclosed as Enclosure II for Your Reference.

Note: 1. Monitoring area coming under Residential Area.  
2. Noise level monitored is an average for period as stated above, the permissible sound pressure level is to be determined with respect to the total time a workman is being exposed (continuously or a number of short term exposures per day) in Hrs.

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Sound Level Meter	Make - METRAVI; Model - SL-4015; Sr. no. 160200539	Valid up to - 06/03/2019

Note: 1. This test report refers only to the monitoring conducted.  
2. This test report may not be reproduced in part, without the permission of this laboratory.  
3. Any correction invalidates this test report.

- END OF REPORT -



## ENCLOSURE - II

### THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

#### • SCHEDULE

(See rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB(A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

- Note:
1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
  2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
  3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

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

A "decibel" is a unit in which noise is measured.

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

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

#### • CONSTRUCTION ACTIVITIES

The maximum noise levels near the construction site should be limited to 75 dB(A) Leq(5 min.) in industrial areas and to 65 dB(A) Leq(5 min.) in other areas.

#### • THE PERMISSIBLE LEVELS FOR NOISE EXPOSURE FOR WORK ZONE

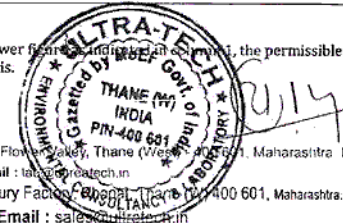
[The Model Rules Of The Factories Act, 1948]

Peak sound pressure level in dB	Permitted number of impulses or impact/day
140	100
135	315
130	1000
125	3160
120	10000

- Notes:
1. No exposure in excess of 140 dB peak sound pressure level is permitted.
  2. For any peak sound pressure level falling in between any figure and the next higher or lower figure as indicated in column 1, the permitted number of impulses or impacts per day is to be determined by extrapolation on a proportionate basis.

Total time exposure (continuous or a number of short term exposures per day) in Hrs	Sound Pressure Level in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/8	108
1/16	111
1/32 (2 minutes) or less	114

- Notes:
1. No exposure in excess of 115 dB(A) is to be permitted.
  2. For any period of exposure falling in between any figure and the next higher or lower figure as indicated in column 1, the permissible sound pressure level is to be determined by extrapolation on a proportionate basis.





Environmental Consultancy & Laboratory

Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]

Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]

QCI-NABET Accredited EIA Consulting Organization

STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G. V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-101/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

**SAMPLE PARTICULARS :**

Sampling Plan Ref. No. : C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date of Sampling : 28/12/2017  
Time of Sampling : 15:15Hrs. to 16:15 Hrs.

**STACK EMISSIONS QUALITY MONITORING**

Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 05/01/2018  
Sample Lab Code : UT/ELS/C-257/12-2017  
Sample Collected By : ULTRA-TECH

**STACK DETAILS**

Stack ID : S-01  
Stack Attached To : D. G. Set (500 KVA)  
Stack Shape : Round  
Stack MOC : M S

Stack Height : 23 Meter from Ground Level  
Stack Diameter : 0.4998 Meter @ Sampling Point  
Fuel Used : Diesel  
Fuel Consumption : 80 Liter/hr

**FLUE GAS CHARACTERISTICS**

Flue Gas Temperature : 401 °K  
Flue Gas Velocity : 8.4 m/sec

Volumetric Flow Rate : 4019 Nm<sup>3</sup>/hr  
Total Volume of Flue Gas : 1.000 Nm<sup>3</sup> (@ STP)

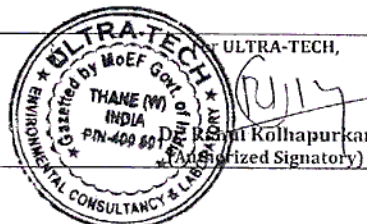
Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	11	mg/Nm <sup>3</sup>
2.	Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 02) : 1985	8	mg/Nm <sup>3</sup>

Opinions / Interpretations : Nil

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Stack Sampling Kit	Make - POLLTECH; Model PEM - SMS 4; Sr. No. 2613	Valid up to - 24/02/2018

Note: 1. This test report refers only to the sample tested.  
2. This test report is valid at the time of and under the conditions specified herein.  
3. This test report may not be reproduced in part, without the permission of this laboratory.  
4. Any correction invalidates this test report.

- END OF REPORT -



Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-9674488198 - kolkata@ultratech.in Delhi : +91-11-40156500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in



**Environmental Consultancy & Laboratory**

Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]

Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]

QCI-NABET Accredited EIA Consulting Organization

STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G. V. Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

**TEST REPORT**

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka - Indapur  
District - Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-102/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

**SAMPLE PARTICULARS :**

Sampling Plan Ref. No. : C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date of Sampling : 28/12/2017  
Time of Sampling : 16:40Hrs. to 17:40 Hrs.

**STACK EMISSIONS QUALITY MONITORING**

Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 05/01/2018  
Sample Lab Code : UT/ELS/C-258/12-2017  
Sample Collected By : ULTRA-TECH

**STACK DETAILS**

Stack ID : S-02  
Stack Attached To : Boiler (110 TPH)  
Stack Shape : Round  
Stack MOC : RCC  
Stack Height : 65 Meter from Ground Level  
Stack Diameter : 3.9279 Meter @ Sampling Point  
Fuel Used : Bagasse  
Fuel Consumption : 1080 MT/Day

**FLUE GAS CHARACTERISTICS**

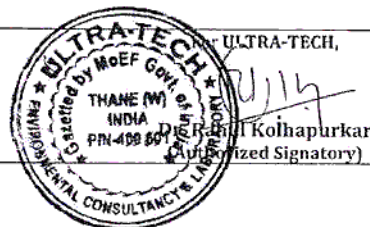
Flue Gas Temperature : 416 °K  
Flue Gas Velocity : 6.1 m/sec  
Volumetric Flow Rate : 172282 Nm<sup>3</sup>/hr  
Total Volume of Flue Gas : 1.000 Nm<sup>3</sup> (@ STP)

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	14	mg/Nm <sup>3</sup>
2.	Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 02) : 1905	30	mg/Nm <sup>3</sup>

**Opinions / Interpretations:** NIL

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Stack Sampling Kit	Make - POLLTECH; Model PEM - SMS 4; Sr. No. 2613	Valid up to - 24/02/2018

**Note:** 1. This test report refers only to the sample tested.  
2. This test report is valid at the time of and under the conditions specified herein.  
3. This test report may not be reproduced in part, without the permission of this laboratory.  
4. Any correction invalidates this test report.

**- END OF REPORT -**

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25285105 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-9674486198 - kolkata@ultratech.in Delhi : +91-11-40158500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in



Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G. V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka - Indapur  
District - Pune 413030.  
REPORT NO. : UT/ELS/REPORT/C-103/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

**SAMPLE PARTICULARS :**  
Sampling Plan Ref. No. : C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date & Time of Sampling : 28/12/2017 at 16:00 Hrs  
Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 10/01/2018  
Sample Collected By : ULTRA-TECH  
Sample Lab Code : UT/ELS/C-259/12-2017

**WATER SAMPLE ANALYSIS**  
Sample Type : RO Water Outlet  
Sample Location : Near Store Room  
Sample Quantity & Packing Details : 2 L in Plastic Container and 100ml in Sterile Corning Bottle.

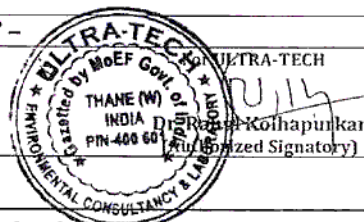
Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits [IS 10500 : 2012]
<b>PHYSICAL PARAMETERS:-</b>					
1.	Turbidity*	IS 3025 (Part 10) 1984	BDL [DL=0.1]	NTU	1
<b>CHEMICAL PARAMETERS:-</b>					
2.	pH	IS 3025 (Part 11) 1983	7.3	-	6.5 - 8.5
3.	Electrical Conductivity*	IS 3025 (Part 14) 1984	129	µS/cm	-
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	84	mg/L	500
5.	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) 2009	56	mg/L	200
6.	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) 1986	48	mg/L	200
7.	Phenolphthalein Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) 1986	BDL [DL=1]	mg/L	--
8.	Sulphate as SO <sub>4</sub> <sup>2-</sup>	APHA 4500-SO <sub>4</sub> <sup>2-</sup> E	12	mg/L	200
9.	Phosphate as PO <sub>4</sub> <sup>3-</sup>	APHA 4500-PE	BDL [DL=0.03]	mg/L	--
10.	Chlorides as Cl <sup>-</sup>	IS 3025 (Part 34) 1988	14	mg/L	250
11.	Ammonical Nitrogen as NH <sub>3</sub> -N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L	0.5
12.	Nitrate as NO <sub>3</sub>	IS 3025 (Part 34) 1988	2.30	mg/L	45
13.	Calcium Hardness as CaCO <sub>3</sub>	IS 3025 (Part 40) 1991	28	mg/L	--
14.	Calcium as Ca	IS 3025 (Part 40) 1991	11	mg/L	75
15.	Potassium as K <sup>+</sup>	IS 3025 (Part 45) 1993	0.8	mg/L	--
16.	Sodium as Na <sup>+</sup>	IS 3025 (Part 45) 1993	9	mg/L	--
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	6	mg/L	30
18.	Lead as Pb	IS 3025 (Part 47) 1994	BDL [DL=0.01]	mg/L	0.01
19.	Iron as Fe	IS 3025 (Part 53) 2003	BDL [DL=0.06]	mg/L	0.3
20.	Fluoride as F <sup>-</sup>	APHA 4500-F D	BDL [DL=0.2]	mg/L	1.0
<b>BACTERIOLOGICAL PARAMETERS:</b>					
21.	Total Coliform*	IS 1622 : 1981	BDL [DL=2]	MPN/100 ml	0
22.	F. Coli*	IS 1622 : 1981	BDL [DL=2]	MPN/100 ml	0
23.	E. Coli*	IS 1622 : 1981	Absent	-	Absent

DL - Detection Limit BDL - Below Detection Limit

**Opinions / Interpretations:** The given sample confirms with standard specifications as per IS 10500:2012 for above analyzed parameters.

**Note:**  
1. This test report refers only to the sample tested.  
2. This test report may not be reproduced in part, without the permission of this laboratory.  
3. Any correction invalidates this test report.  
4. \*Parameters are not covered under NABL Scope.

- END OF REPORT -



Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22-2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-3674468198 - kolkata@ultratech.in Delhi : +91-11-40158500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in



**Environmental Consultancy & Laboratory**

Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]

Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]

QCI-NABET Accredited EIA Consulting Organization

STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015

OHSAS 18001 : 2007

Laboratory : G. V. Brothers Building, Beta Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

**TEST REPORT**

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-104/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

<b>SAMPLE PARTICULARS</b>	:	<b>WASTE WATER SAMPLE ANALYSIS</b>
Sampling Plan Reference No.	: C-39/12-2017	Sample Type : Treated Effluent
Date & Time of Sampling	: 28/12/2017 at 16:15 Hrs	Sample Location : ETP Outlet
Analysis Starting Date	: 01/01/2018	
Analysis Completion Date	: 10/01/2018	
Sample Collected By	: ULTRA-TECH	Sample Quantity : 1L In Plastic Container for all
Sample Lab Code	: UT/ELS/C-260/12-2017	& Packing Details parameters

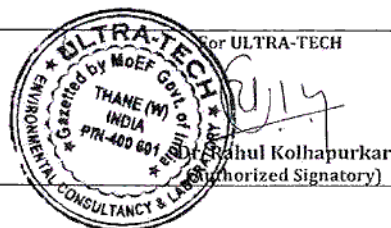
Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits [MPCR Consent]
1.	pH	IS 3025 (Part 11) : 1983	7.2	-	5.5-9.0
2.	Total Dissolved Solids	IS 3025 (Part 16) : 1984	560	mg/L	Not to exceed 2100
3.	Total Suspended Solids	IS 3025 (Part 17) : 1984	8	mg/L	Not to exceed 100
4.	Sulphate as SO <sub>4</sub> <sup>2-</sup>	APHA 22 <sup>nd</sup> Ed. 4500-SO <sub>4</sub> <sup>2-</sup> E	120	mg/L	Not to exceed 1000
5.	Chlorides as Cl <sup>-</sup>	IS 3025 (Part 32) : 1988	78.3	mg/L	Not to exceed 600
6.	Oil & Grease	IS: 3025 (Part 39) : 1991	BDL [DL=10]	mg/L	Not to exceed 10
7.	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 1993	7.8	mg/L	Not to exceed 100
8.	Chemical Oxygen Demand	IS 3025 (Part 58) : 2006	28	mg/L	Not to exceed 250

BDL: Below Detection Limit

DL: Detection Limit

Opinions / Interpretations: The results comply with MPCR Consent requirement [Ref: Consent No. BO/CAC-Cell/UAN NO.0000027669 &0000027014/R/CAC-1803000361 Dated 8/03/2018 and valid up to 31/07/2018]

Note: 1. This test report refers only to the sample tested.  
2. This test report may not be reproduced in part, without the permission of this laboratory.  
3. Any correction invalidates this test report.

**- END OF REPORT -**

Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eastern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9835200526 - kochi@ultratech.in Bangalore : +91-80-23333115 / +91-7629333115 - bangalore@ultratech.in  
Kolkata : +91-33-40089145 / +91-9874488198 - kolkata@ultratech.in Delhi : +91-11-40158500 - delhi@ultratech.in Singapore : +65-67548189 - singapore@ultratech.in



Environmental Consultancy & Laboratory  
Lab. Gazetted by MoEF-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]  
Lab. Accredited by NABL - ISO/IEC 17025:2005 [TC-5600, Valid until 27.05.2019 in the field of Testing]  
QCI-NABET Accredited EIA Consulting Organization  
STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015  
OHSAS 18001 : 2007

Laboratory : G. V Brothers Building, Bata Compound, Khopat, Near Flower Valley, Thane (West) - 400 601, Maharashtra, India  
Telefax : +91 22 2547 49 07 / +91 22 2547 62 17 Email : lab@ultratech.in Visit us at : www.ultratech.in

## TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION  
Village - Shetphalgade, Taluka-Indapur  
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/C-105/04-2018  
ISSUE DATE : 23/04/2018  
YOUR REF. : 4500077501  
REF. DATE : 12/04/2017

### SAMPLE PARTICULARS :

Sampling Plan Ref. No. : C-39/12-2017  
Sample Registration Date : 01/01/2018  
Date & Time of Sampling : 28/12/2017 at 16:30 Hrs.  
Analysis Starting Date : 01/01/2018  
Analysis Completion Date : 16/01/2018  
Sample Collected By : ULTRA-TECH  
Sample Lab Code : UT/ELS/C-261/12-2017

### SOIL QUALITY MONITORING

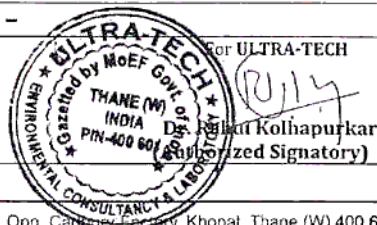
Sample Type : Surface Soil (at 15cm depth)  
Sample Location : Near Main Gate  
Sample Quantity : 1kg In Plastic Bag Contained in Zip  
& Packing Details Lock Bag

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	2.1	%
3.	Bulk Density	UT/LQMS/SOP/S03	1087	kg/m <sup>3</sup>
4.	Organic Matter	IS:2720 (Part 22) : 1972	0.6	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.3	%
6.	pH	IS:2720 (Part 26) : 1987	7.9	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.856	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	531	mg/L
9.	Sodium as Na (Water Extractable)*	UT/LQMS/SOP/S19	64	mg/kg
10.	Magnesium as Mg (Water Extractable)*	UT/LQMS/SOP/S22	50	mg/kg
11.	Chlorides as Cl (Water Extractable)*	UT/LQMS/SOP/S23	139	mg/kg
12.	Sulphate as SO <sub>4</sub> <sup>2-</sup> (Water Extractable)*	UT/LQMS/SOP/S24	136	mg/kg
13.	Sodium Adsorption Ratio*	UT/LQMS/SOP/S26	1.1	(meq/kg) <sup>1/2</sup>
14.	Cation Exchange Capacity	USEPA 846 9080	24.1	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	50.2	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	0.7	mg/kg
17.	Phosphorous as P <sub>2</sub> O <sub>5</sub> (Available)	UT/LQMS/SOP/S28	98	kg/ha
18.	Potassium as K <sub>2</sub> O (Available)	UT/LQMS/SOP/S29	320	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	212	kg/ha
20.	Iron as Fe	USEPA SW846 7380	43216	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	72	mg/kg

Opinions / Interpretations: NIL

Note: 1. This test report refers only to the sample tested.  
2. This test report may not be reproduced in part, without the permission of this laboratory.  
3. Any correction invalidates this test report.  
4. \*: Parameters not covered under NABL scope.

- END OF REPORT -



Page 1 of 1

H.O.: Unit No. 224,225,206, Jai Commercial Complex, Eaxstern Express Highway, Opp. Cadbury Factory, Khopat, Thane (W) 400 601  
Tel : +91-22+2534 27 76 / 2538 01 98 / 2533 14 38 Fax : +91-22-2542 96 50 Email : sales@ultratech.in

Pune : +91-20-25286106 - pune@ultratech.in Kochi : +91-484-4011173 / +91-9895200526 - kochi@ultratech.in Bangalore: +91-80-23333115 / +91-7829333115 - bangalore@ultratech.in  
Kolkata: +91-33-40089145 / +91-9674488198 - kolkata@ultratech.in Delhi: +91-11-40158500 - delhi@ultratech.in Singapore: +65-67548189 - singapore@ultratech.in

# **ANNEXURE 2**

**ENVIRONMENTAL STATEMENT COPY**



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

**FORM V**

Environmental Audit Report for the financial Year ending the 31st March 2017

Company Information

**Company Name**

Baramati Agro Ltd

**Application UAN number**

MPCB-CONSENT-0000027014

**Address**

Shetphalgade

**Plot no**

98,99

**Taluka**

Indapur

**Village**

Shetphalgade

**Capital Investment (In lakhs)**

24242.27

**Scale**

L.S.I

**City**

Pune

**Pincode**

**Person Name**

Prakash Jathar

**Designation**

COO

**Telephone Number**

7722094456

**Fax Number**

91-2112-221003

**Email**

balexistingsugar1@gmail.com

**Region**

SRO-Pune I

**Industry Category**

Red

**Industry Type**

R12 Sugar ( excluding Khandsari)

**Last Environmental statement submitted online**

yes

**Consent Number**

MPCB-CONSENT-0000027014

**Consent Issue Date**

16/01/2017

**Consent Valid Upto**

31/07/2017

**Product Information**

**Product Name**

Sugar

**Consent Quantity**

14850

**Actual Quantity**

30029.3

**UOM**

MT/A

**By-product Information**

**By Product Name**

Bagasse

**Consent Quantity**

40500

**Actual Quantity**

70790.659

**UOM**

MT/A

Molasses

5400

1468.00

MT/A

Pressmud

5400

8914

MT/A

Electric Power ( Co- generation )

20

27399.218

Mwh

**1) Water Consumption in m3/day**

**Water Consumption for Process**

**Consent Quantity in m3/day**

500

**Actual Quantity in m3/day**

500

**Cooling**

340

340

**Domestic**

110

110

**All others**

0

0

**Total**

950

950

**1) Effluent Generation in CMD / MLD**

Particulars	Consent Quantity	Actual Quantity	UOM
Sugar + Cogen	430 + 30	460	CMD
Domestic ( Sugar + Cogen )	80 + 8	88	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar (excluding Khandsari)	83516/0.77	30029.3/1.01	MT/A

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
List Attached	Sugarcane- 7035818.100/8.42 , Lime- 975/11.69 , Suphur- 299/3.58 , Caustic Soda- 37.150/0.444 , Phosphoric Acid- 33.980/0.406 , Lubricant Oil- 8991/107.665	Sugarcane- 2961468.59/9.86 , Lime- 633.33/2.10 , Suphur- 196.37/0.65 , Caustic Soda- 25.403/0.084 , Phosphoric Acid- 16.100/0.053 , Lubricant Oil- 8.949/0.029	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	40500	70790.659	MT/A

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
	Quantity	Concentration			
Oil & Grease	450	BDL	-	10	-
COD	450	184	-	250	-
BOD	450	71	-	100	-
TSS	450	18	-	100	-
TDS	450	1070	-	2100	-
Chloride	450	344.9	-	600	-
Sulphate	450	266	-	1000	-

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
	Quantity	Concentration			
PM	-	80	-	150	-

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	270	99	Ltr/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	0	0	MT/A

**SOLID WASTES****1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Fly/ Boiler Ash	300	300	MT/A
Chemical Sludge, Oil & Grease skimming residue	2000	2000	Kg/Annum

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	0	0	Kg/Annum

**3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used /spent oil	270	99	Ltr/A

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

**1) Hazardous Waste**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used /spent oil	99	Ltr/A	Liquid

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
NA	0	Kg/Annum	NA

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

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
NA	NA	NA	NA	NA	NA	NA

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

[A] Investment made during the period of Environmental Statement

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Environmental Protection	The basic annual expenditure on Environment	20

[B] Investment Proposed for next Year

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Environmental Protection	The basic annual expenditure on Environment	20

Any other particulars in respect of environmental protection and abatement of pollution.

**Particulars**

The company having valid consent copy. The green belt is well developed . O & M of ETP is carried out on daily basis & regular monitoring.

**Name & Designation**

Prakash Jathar