

Bal/Sugar/ 20/ 2020

Date: 01.06.2020

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: Submission of Six Monthly Clearance Compliance Report (October 2019 to March 2020) 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 20th March 2017

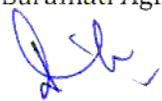
Dear Sir,

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, government of India 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,
For 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

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/ 120/ 2020

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

Sub: Submission of Six Monthly Clearance Compliance Report (October 2019 to March 2020) for
M/s Baramati Agro Ltd., Post - Shetphalgade, Tehsil-Indapur, Dist. - Pune Maharashtra.

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CIN : U01134PN1988PLC045873
Website : www.baramatiagro.com

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Subject: Six Monthly Environmental Clearance Compliance Report (October 2019 to March 2020) for M/s Baramati Agro Ltd., Post - Shetp halgade, Tehsil-Indapur, Dist. - Pune Maharashtra.

<punelab@ultratech.in>

Sent: Mon, 29 Jun 2020 12:01:49 GMT+0530

To: 'eccompliance-mh' <eccompliance-mh@gov.in>

CC: 'punelab' <punelab@ultratech.in>

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1 attachment

Six_Monthly_Com... (12366.26 KB)

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Ref: Environmental Clearance Letter No. P. No. L-11011/1682016/JA-I (I) dated 20th March 2017

Dear Sir,

With reference to the above subject, we are submitting the Current Status, data sheets, monitoring reports and point wise clearance compliance status to various stations laid down by the Ministry of Environment, Forest and Climate Change, Government of India in its clearance letter (No. L-11011/1682016/JA-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,

Shrikalshika
 Senior Executive Field Operation
 94222 29720
 ULTRA-TECH
 (Environmental Consultancy & Laboratory)
 Recognized by MoEF, Govt. of India - ISO 17025:2005 NABL Accredited,
 AN ISO 9001:2008 & OHSAS 18001:2001 CERTIFIED COMPANY,
 Office No. 204, 1st floor
 "Sapthagire Chambers",
 Survey No. 12, Baner, Pune-411045
 Landmark: Dombivli Station, Colaba, Mumbai

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Six Monthly Compliance Report (June 2020) submit to Regional Office, MoEF&CC, Nagpur.

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Subject: Six Monthly Environmental Clearance Compliance Report (October 2019 to March 2020) for M/s Baramati Agro Ltd., Post - Shetp halgade, Tehsil-Indapur, Dist. - Pune Maharashtra.

<pune@ultratech.in>

Sent: Mon, 29 Jun 2020 12:22:25 GMT +0530

To: 'secdnu@cpwb' <secdnu@cpwb.gov.in>

CC: 'pune@ultratech.in' <pune@ultratech.in>

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Shriketina
Senior Executive Field Operation
98222 26733
ULTRA-TECH
(Environmental Consultancy & Laboratory)
Spanned by NABEF Soc. of India. ISO 15189: 2015 NABL Accredited,
AN ISO 9001: 2008 & OHSAS 18001: 2007 CERTIFIED COMPANY.
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'Sapientia Chambers'
Bunkar No. 15, Bunkar, Pune-411045
Loknagar, Dombivli (West), Mumbai
Email: pune@ultratech.in; pune@ultratech.in

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8/15/2020

Six Monthly Compliance Report (June 2020) submit to Central Pollution Control Board, Badodara, Gujrat.

PART A

CURRENT SATUS

CURRENT STATUS OF THE PROJECT; COMPLETED

PART B

POINT WISE COMPLIANCE STATUS

Point wise compliance status to various stipulations laid down by the MoEF&CC, 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 40 m 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. Results of stack emissions are attached as Annexure no.1.
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).	Complied, Following mitigation measures to control the fugitive emissions were implemented <ul style="list-style-type: none"> ➤ Green belt has been developed within project premises ➤ Production and bagging (packing) of sugar is in closed yard ➤ Dust collection system in sugar plant and fuel handling systems are provided. ➤ Closed fuel conveying system is installed. ➤ Raw material stored in closed and covered storage. ➤ Dust suppression system including water sprinkling system provided at loading and unloading areas to control dust emissions. ➤ Regular air quality monitoring regularly in the company premises. Monitoring reports attached as Annexure no.1
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	Complied. <ul style="list-style-type: none"> ➤ Waste sludge and spent wash are transported through closed pipelines. ➤ Spent wash is being concentrated in MEE and incinerated in incineration Boiler. Spent lees and condensate water after treatment in CPU is being recycled back in process. ➤ 33% greenbelt/plantation has already been developed all around the plant boundary helps in reducing the odour, noise level, arresting dust and improves the environment in surrounding.

	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.	Pucca approach road has already been provided to the existing distillery.
vi	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	Complied. Acoustic enclosure has been provided for the DG set 500 KVA Stack emissions are being monitored regularly through MoEF&CC, recognized laboratory. Monitor the emission level of DG set. Please refer as Annexure no.1
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, SO ₂ , NO _x , 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.	Complied, Regularly ambient air quality and stack emission monitoring frequently. As per the report, the emission levels were within permissible limits.
viii	Fresh Water need daily shall not exceed 882 m ³ /day. Permission of Irrigation Department be obtained.	Complied. ➤ Obtained Water permission from irrigation department, Govt. of Maharashtra. ➤ Recycled water from sugar and co-generation unit is being reused in the process.
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.	Complied ➤ 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. ➤ Currently effluent from sugar, and cogen effluent is being treated in ETP. Distillery effluent is being treated via biodegestion +MEE+ bio compost route. The same will be followed in future. ➤ Evaporator condensate spentlees and utilities effluent is used/ recycled for process & gardening after treatment. ➤ No effluent is being discharged outside the factory premises.
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.	Continuous monitoring system provided on project site and it is connected to CPCB/MPCB 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	We are adopting the zero effluent discharge

	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.	concepts for waste water minimization. Zero discharge was maintained.
xiii	Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Complied. Drainage system was provided for the separation of storm water during rainy season.
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 and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Nagpur and MPCB.	Complied. Ground water quality was monitored at one location near project site. As per the report, Ground water quality was within prescribed limits. Please refer as Annexure no.1
xv	Baggase 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.	Complying with. Bagasse bales are being created and stored by covering with tarpaulin. 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.	Complied. <ul style="list-style-type: none"> ➤ As per CPCB guidelines, we are regularly using bagasse as fuel. ➤ The ash produced is stored separately and kept covered at dry place to avoid its mixing with air and water. ➤ Workers working near ash storage are insisted to wear face mask.
xvii	Fire fighting system shall be as per the norm sand 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.	Complied Fire fighting system has been provided for the plant. Foam system has been provided for alcohol storage area of existing distillery.
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.	Complied. Risk assessment report are submitted in previous report (Dec.2018).
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.	Complied. Company has regularly conducted occupational health surveillance programme for all the employees. . In addition, first aid facility were made available to the workers at the site.
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.	Complied. Parking facility has been provided near to the plant. The vehicle movement is being controlled by Security.

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.	Complied. Green belt has been provided in and around the plant over an area of 42 acres with plantation of different species and also 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 to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.	Noted																		
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 & 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>Overview</td> <td>Watch Dog Committee</td> <td>Super- Check</td> </tr> <tr> <td>Manager</td> <td>Chief Engineer/ Chief Chemist/ Environmenta l Scientist</td> <td>Job (*)</td> </tr> <tr> <td>Executive</td> <td>Shift-in- charge</td> <td>Implement</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ➤ Manager and executive level staff is required to comply with conditions in Environmental Clearance ➤ Watch Dog Committee overviews the day-to day work of Environment Management Cell and Compliance of conditions in Environmental Clearance ➤ Any environmental issue or non-compliance is reported directly to Managing Director 	Level	Designation	Purpose	Highest	COO/ Managing Director	Policy	Top	Gen Manager	Guide	Overview	Watch Dog Committee	Super- Check	Manager	Chief Engineer/ Chief Chemist/ Environmenta l Scientist	Job (*)	Executive	Shift-in- charge	Implement
Level	Designation	Purpose																		
Highest	COO/ Managing Director	Policy																		
Top	Gen Manager	Guide																		
Overview	Watch Dog Committee	Super- Check																		
Manager	Chief Engineer/ Chief Chemist/ Environmenta l Scientist	Job (*)																		
Executive	Shift-in- charge	Implement																		
xxvi	Physical infrastructure and drinking water availability for the nearby villages may be improved	Noted																		

	under CSR plan.	
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.	Complied. Construction work is over so no construction worker on project site.
xxviii	Zero Liquid Discharge shall be ensured.	Zero discharge was maintained.
A. 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.	Agree and comply with
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.	Agree and comply with
iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complying with Ambient air quality monitoring is being carried out at three location within project site, the ambient air quality levels found to be within limits.
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	The ambient air quality monitoring was carried out & it's results are enclosed as Annexure- 1 . All results are well within the permissible limits.
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).	Complied. Acoustic enclosures have been provided for the DG set. Green belt has been developed around the plant area. As per the monitoring data, the noise levels found to be equivalent noise levels found to be within stipulated limits.
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.	Complied. Training on safety, health and chemical handling were carried out and records thereof were maintained. Medical checkup 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.	Agreed and comply with. <ul style="list-style-type: none"> ➤ Effluent treatment plant has been provided ➤ Green belt has been developed ➤ Environmental monitoring is being carried out.
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.	Complied. 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.	Complied. Capital cost of Rs.19.15 crores were provided towards environment protection measures so far. Further, Recurring cost of Rs.6.65 crores were provided per annum for EMP.
xiii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied. Clearance letter copy is sent to local NGO. Acknowledgement copy is submitted in previous report (June 2017)
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.	Complied. Regular submission of 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" 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	Complied. Environmental statement report (form -V) for financial year (2018-19) was submitted on dated 28.09.2019 to the MPCB. Environmental Statement reports are submitted in previous report.

	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.	Complied. Advertisement is already published in local Marathi newspaper- "Kesari" and "Indian Express" on 26 th March 2017. It's copy is submitted in previous report (June 2019)
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 C- ENCLOSURES

ENCLOSURE I	DATA SHEET
ENCLOSURE II	COPY OF ENVIRONMENTAL CLEARANCE
ENCLOSURE III	COPY OF CONSENT TO OPERATE

ENCLOSURE I

DATA SHEET

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

DATA SHEET

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 12000 TCD), 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 th March, 2017
4.	Location		:	
	a.	District (S)	:	Pune
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	18°16'15.07"N 74°40'25.16"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 12000 TCD) 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"> ➤ Emission Control Engineering ➤ Water & wastewater management ➤ Greening drive ➤ Monitoring
7.	Breakup of the project area		:	
	a.	submergence area forest & non-forest	:	NA
	b.	Others	:	<ul style="list-style-type: none"> ➤ Factory Sheds & buildings-14 acre ➤ Open space, utilize for Bagasse storage, WTP, ETP, Molasses storage tank, Cooling tower, Spray pond, Switch yard & 15 days storage for ETP treated water-20 acre ➤ Open space for green belt - 42 acre ➤ Roads - 6 acre
8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan		:	NA
	a.	SC, ST/Adivasis	:	NA

	b.	Others (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)	:	NA
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.	:	Environmental Management Plan (EMP) During operational Phase: 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	:	
	c.	The status of compensatory afforestation, it any	:	
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	
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		:	Completed
	a.	Date of commencement (Actual and/or planned)	:	In the year 2008 after obtaining EC (1 st) and/or CTE In the year 2017 after obtaining EC (2 nd)
	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	:	Not yet visited
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.)		:	--

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

Dated: 20th 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 04th October, 2016.

Sir,

This has reference to your online proposal no. IA/MH/IND2/27937/2015 dated 04th 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

3. All molasses based distilleries are listed at Sl. No. 5(g) (i) of Schedule of EIA Notification under Category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

4. The project proposal was considered by the Expert Appraisal Committee (Industry-2) in its 7th meeting held during 27th - 28th April, 2016 and recommended Terms of References (TORs) for the Project. The TOR has been issued by Ministry vide letter dated 21st June, 2016.

5. The project proposal was again considered by the Expert Appraisal Committee (Industry -2) in its 16th meeting held during 8th - 9th December, 2016. The Project Proponent and the accredited consultant M/s Ultra Tech, Thane, gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken, as per Terms of References (TORs) awarded in the 7th meeting of the EAC held during 27th - 28th April, 2016.

6. The PP has obtained environmental clearance (EC) for the existing distillery unit (60 KLPD) and Cogeneration Power Plant (20 MW) vide MoEF letter no. J-11011/475/2007 - IA II (I) dated 15th April, 2008. Regional Office of MoEF&CC at Bhopal vide letter no. 5-87/2008(ENV)/537 dated 11.06.2015 has submitted the certified copy of the statement of compliance to the environmental conditions prescribed in the existing EC. The EAC has deliberated on the certified compliance report and found it satisfactory.

7. Public Hearing for the proposed project has been conducted by the Maharashtra State Pollution Control Board 19.08.2016. The EAC has deliberated upon the issues raised during the public hearing. The concerns were raised regarding water requirement for the unit, raw material from vicinity, employment, ash waste, spent wash disposal, etc. The EAC noted that the issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report.

8. The fresh water requirement is 882 m³/day. It is informed that the PP has obtained permission of Irrigation Department. The source of water is Khadakwasala canal and Ujani Dam. Nearest water source for the plant is canal flowing at a distance of 2 km. Additionally, a pipeline from Ujani Dam is also erected.

9. Power requirement of 2500 KW will be met from Electricity Board and own generation. Bagass fired boilers of 2 X 110 TPH & 2 X10 TPH will be installed and connected with 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. The power evacuation line is connected to Bhigwan Sub-Station of 220 kV EHV substation through LILO arrangement at 0.5 km from plant site.

10. It is reported that the unit is Zero Liquid Discharge unit. No water is discharged from the site to surrounding area. The sober effluent is given physico-chemical treatment and the water is combined with moderate effluent which is treated with equalization, neutralization, aeration, secondary clarifier and tertiary treatment.

11. Spent wash generated in proposed project will be used as compost (organic fertilizer). It is also proposed to convert this and use as fuel in the factory. Air pollution control equipment like ESP, wet scrubber, Stack of appropriate height will

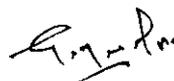
be installed. Solid wastes are proposed to be used as raw material or fuel or as manure. Hazardous waste is only in the form of limited waste oil and can be used after separation either for lubricating the carts or burnt in boiler along with bagasse. Ash will be used for brick-making as well as for farming.

12. The EAC, in its 16th meeting held on 8th - 9th 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 14th 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.



- (vi) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.
- (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, PM_{2.5}, SO₂, NO_x, 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.
- (viii) Fresh Water need daily shall not exceed 882 m³/day. Permission of Irrigation Department be obtained.
- (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.
- (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.
- (xi) The Company shall ensure the quantity and marketability of bio-compost produce by distilleries by standard labeling such as 'AGMARK' etc.
- (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.
- (xiii) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- (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 and total dissolved solids shall be monitored. 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) Baggase 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.
- (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 alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.
- (xvii) Fire fighting system shall be as per the norms 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.
- (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.

- (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 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.
- (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.

- 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.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- 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).
- 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.
- 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.
- 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.
- 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.
- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- 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.
- 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.
- xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- 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.
- xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,

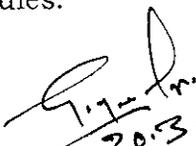


- as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- xvi. The project proponent shall inform the public that the project has 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, 15th 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, 3rd and 4th 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: 24010706/24010437
 Fax: 24023516
 Website: <http://mpcb.gov.in>
 Email: cac-cell@mpcb.gov.in



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

No:- Format1.0/CAC-Cell/UAN No.0000049921/CR - 1909000466

Date: 16/09/2019

To,
 Baramati Agro Ltd (Sugar -9000 TCD & Co-gen - 30 MW Renewal of Consent to Operate)
 98,99,Shetphalagdhe,
 Indapur,Pune-Pune

Sub: Renewal of Consent to Operate for 9000 TCD Sugar & 30 MW Co-Generation unit. Under L.S.I RED Category

Ref: 1. Consent to Renewal accorded by Board vide No. Consent No:Format1.0/BO/CAC-CELL/UAN No. 0000027668 & 000027018/R/CAC-1803000361 dtd 08.03.2018

Your application No.MPCB-CONSENT-0000049921 Dated 02.06.2018

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

1. **The Consent to Renewal is granted upto: 07.07.2021**
2. **The capital investment of the industry is Rs.313.1918 Crs. (As per C.A Certificate submitted by Industry).**
3. **Consent is valid for the manufacture of:**

Sr No	Product/Co-Product Name	Maximum Quantity	UOM
1	Sugar	29700.00	MT/M
2	Molasses	10800.00	MT/M
3	Pressmud	10800.00	MT/M
4	Bagasse	81000.00	MT/M
5	Electric Power (Co-generation)	30.00	MW

The Cane crushing capacity of Sugar Industry shall not exceed 9000 TCD.

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

Sr No	Description	Permitted	Standards to	Disposal
1.	Trade effluent	910	As per Schedule -I	40 CMD shall be 100 % recycle and 880 CMD on land for irrigation.
2.	Domestic effluent	160	As per Schedule - I	Recycle/Reuse on land for gardening.

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

Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boiler (110 TPH)	1	As per Schedule -II
2	Boiler (40 TPH)	1	As per Schedule -II

(As per previous consent of existing unit)

6. **Conditions about Non Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	ETP Sludge	2000	Kg/Annum	Composting	Used as manure
2	Boiler Ash	50	MT/M	Composting	Used as manure

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2008 for treatment and disposal of hazardous waste:**

Sr.No	Type of Waste	HW Category.	Quantity & UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	1.5 Lit/Day	--	Authorised Recycler

The applicant shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016.

a. The applicant shall properly collect, transport & regularly dispose of the hazardous waste to CHWTSDf, in compliance of the Hazardous & Other Wastes (Management & Transboundry Movement) Rules, 2016 and keep proper manifest thereof.

- 8 The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
- 10 Industry shall connect online CMS data as per CPCB guidelines to CPCB & MPCB Servers.
- 11 Industry shall stop production activity voluntarily in case of failure of operation and maintenance of the ETP system as preventive measures.
- 12 Industry shall extend all existing BGs towards O&M of pollution control systems and towards compliance of the Consent conditions.
- 13 This consent is issued as per the Consent Appraisal Committee meeting dated. 04.12.2018
- 14 The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1252768.00	7619012	16/01/2019	RTGS
2	626384.00	7610571	02/06/2018	RTGS

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune |
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. CC/CAC Desk - For Record and website updation process.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1) A) As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 900.00 CMD consisting of Primary, Secondary, Tertiary for the treatment of 910.00 CMD industrial effluent

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	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5-9.0
(2)	Oil & Grease	10
(3)	BOD (3 days 27 ^o)	100
(4)	Sulphate	1000
(5)	Suspended Solids	100
(6)	COD	250
(7)	Chloride	600
(8)	Total Dissolved Solids	2100

C) The treated effluent 910.00 CMD shall be disposed on land for irrigation on 10.00 hectares 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 40.00 CMD generated from Co-gen shall be 100% recycle in process.

E) CREP conditions for Sugar Factory

- i. 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.
- ii. Waste water generation shall be reduced to 100 liters per tone of cane crushed.
- iii. Industry shall achieve zero discharge into In land surface water bodies.
- iv. 15 days' storage capacity tank shall be provided for treated effluent to take care during no demand for irrigation.

F) Industry to make necessary arrangement to cover the effluent collection system and to avoid the ingress of Bagasse and other material.

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

H) The unit shall optimize water use in industrial process & maintain records.

2) A) As per your application, you have provided septic tank and soak pit for the treatment of 160.00 CMD sewage.

B) The applicant shall operate sewage treatment system to treat sewage so as to achieve the following standards/ prescribed under EP Act 1986 and rules made under time to time, whichever is stringent.

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

C) The treated sewage shall be 100% reused/recycled for gardening purpose within premise. In no any case, sewage shall find its way outside Company's premises.

3) The industry shall have bilateral agreement with the farmers on whose land the treated effluent is used for irrigation purposes and a copy of the agreements with validity shall be submitted to the Regional/Sub-Regional Office of the Board.

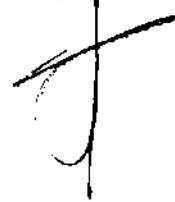
4) The industry shall create Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

5) CONDITIONS FOR MOLASSES STORAGE:

- (i) The molasses shall be properly collected and stored in steel tanks which shall be leak proof. At no stage of handling of molasses, there shall be leakage or spillage.
- (ii) The capacity of tanks for storage of molasses shall be such that it will take care of bumper production of sugar, non-lifting of molasses etc.
- (iii) All the area on which molasses are stored and handled should be provided with drain for diverting the spills to the treatment plant/ molasses tank. Suitable arrangements for accidental discharges of molasses from the tanks shall be provided to contain the same within factory premises.
- (iv) Destruction of molasses and its disposal shall not be done without specific permission in writing from the authorized officer of the Board. Intimation of intention to destroy or dispose of the molasses shall be given to the Board at least 15 (fifteen) days in advance by registered post under intimation to the Sub-Regional officer and Regional officer of the Board under whose jurisdiction the factory is situated.
- (v) The storage tanks shall be kept in good conditions all the year round with adequate maintenance. The tanks size and capacity per cm, height, total capacity in tonnes shall be displayed prominently near /on the tank.
- (vi) The above conditions shall be in addition to and not in derogation of the provisions contained in the "Bombay Molasses Rules, 1955" and "Maharashtra Molasses Storage and Supply Regulation, 1965".
- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines if applicable.
- 7) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & 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.
- 8) 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.
- 9) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters, and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	440.00
2.	Domestic purpose	210.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1000.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Grandening	0.00

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



SCHEDULE-II
Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
1	Boiler (110 TPH)	ESP	65	Bagasse	1080 MT/Day	0.20	4320.00
2	Boiler (40 TPH)	ESP	49	Bagasse	418 MT/Day	0.20	2320.00

(As per previous consent of existing unit)

- 2) **The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.**

- 1 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.
- 2 The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³
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- 3 The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
 - 4 The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
 - 5 Industry should not use auxiliary fuel more than 15 % (as per amendment in EIA Notification 2009, power plant upto 15 MW based on Bio-mass and using auxiliary fuel as coal upto 15% are exempt.) as co-gen capacity is below 15 MW.
- 3) **The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.**
- 4) **The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).**

**SCHEDULE-III
Details of Bank Guarantees:**

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	500000	15 days/ To be extended	O & M for achieving Consented standards of Effluent	31.07.2021	30.11.2021
2	C to R	500000	15 days / To be extended	Towards O & M of APC System to achieve emission standards.	31.07.2021	30.11.2021

BG Forfeiture History

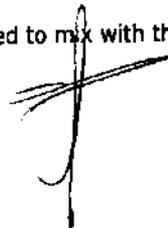
Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
			NA			

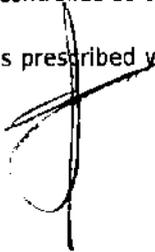


SCHEDULE-IV

General Conditions:

- 1 The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2 The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 3 Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipment, the production process connected to it shall be stopped.
- 4 The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of its consent.
- 5 The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 6 The industry should comply with the Hazardous & Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous & Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 7 An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 8 The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 9 The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- 10 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.
- 11 The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 12 Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 13 The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the H&OW(M&TM) Rules 2016, which can be recycled/processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 14 Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 15 Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 16 Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.



- 17 Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 18 The industry should not cause any nuisance in surrounding area.
- 19 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.
- 20 The applicant shall maintain good housekeeping.
- 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 equipment 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 achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.
- 

MAHARASHTRA POLLUTION CONTROL BOARD

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



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

RED/L.S.I

Date: 02/11/2019

No:- Format 1.0/CAC/UAN No.MPCB-CONSENT-0000059195 & MPCB-
 CONSENT-0000073730/CO - 1911000114

To,
 Baramati Agro Ltd (160 KLPD Distillery Unit Consent to Operate).
 96,Shetphalgade
 Indapur,Pune-Pune

Sub: Renewal of Consent for 160 KLPD (Molasses Base) Distillery Unit, under RED category.

Ref: 1. Consent to Operate accorded by Board vide No. BO/CAC-CELL/UAN No. 00000517767R/CAC-1901000791 dtd 11.01.2019
 2. Minutes of CAC Meeting dtd. 13.09.2019.

Your application No.MPCB-CONSENT-0000073730 Dated 29.05.2019

For: Consent to Operate for 160 KLPD (Molasses Base) Distillery Unit, under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to operate is granted for a period up to 31/08/2020
2. The capital investment of the project is Rs.106.1065 Crs. (As per C.A Certificate submitted by Industry -)
3. Consent is valid for the manufacture of:

Sr No	Product/Co-Product Name	Maximum Quantity	UOM
1	Rectified Spirit OR Extra Neutral Alcohol	4800.00	KL/M

(Distillery capacity shall not exceed 160 KLPD)

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

Sr No	Description	Permitted	Standards to	Disposal Path
1.	Trade effluent	1570	As per Schedule -I	(After volume reduction - 357 CMD) Bio-digester Followed by MEE and Bio-composting (120 CMD). Also provided Incineration Boiler for 237 CMD.
2.	Domestic effluent	52	As per Schedule - I	On land for irrigation.

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

Stack No.	Description of stack / source	APCS	Number of Stack	Standards to be achieved
1	Boiler	70	1	As per Schedule -II
1	Boiler	40	1	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Canteen Waste	1.5	MT/Day	-	Composting
2	Yeast sludge	15	MT/Day	-	Composting
3	Incineration Ash	800	Kg/Annum	-	Composting

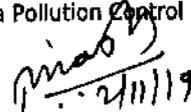
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7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1		0	--NA--	-	-

- 8 Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
- 9 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 10 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 11 This consent is issued pursuant to the decision of the 6th Consent Committee Meeting held on 13.09.2019.
- 12 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter No. F. No. J-11011/106/2016-IA II (I), dtd. 28.09.2018.
- 13 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.

For and on behalf of the
Maharashtra Pollution Control Board.


(P. K. Mirashe),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	212213.00	5450733	29/05/2019	RTGS
2	848852.00	5452018	18/06/2019	RTGS

0

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

SCHEDULE-I
Terms & conditions for compliance of Water Pollution Control:

1. Conditions for Trade effluent:

A) You have provided comprehensive treatment i.e Effluent treatment plant with the design capacity of 1700 CMD for trade effluent 1570 CMD including Bio-digester, followed by MEE for volume reduction and Bio-Composting for 120 CMD on 5.5 acres land & Incineration Boiler for 273 CMD for achieving zero discharge. In no any spent wash shall discharge outside the factory premises/ onland / into stream directly or indirectly.

2. Conditions for Sewage/ Domestic effluent:

- i. You have provided septic tank and soak pit (for sewage below 20 CMD).
- ii. The industry shall operate sewage treatment system to treat the sewage/ domestic effluent so as to achieve the standards as prescribed by the board/under EP Act, 1986 and rules made thereunder from time to time whichever is stringent.

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

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

3. Conditions for Aerobic composting:

i. The spent wash should be stored in impervious tanks. The spent wash tanks should have proper lining with HDPE and should be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation and undertaking given by the company, storage should not exceed 30 days capacity.

ii. Applicant shall ensure availability of adequate filler material such as press mud, bagasses, agricultural, biological waste as required for effective composting system.

iii. Composted material shall meet the following specifications—

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

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

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

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

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

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

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- viii. In case of composting in open fields, the application of spent wash shall stop by end of April, so that compost is ready and the site is cleared of the composted manure before monsoon (i.e. 31st May). The manure shall be collected and stored on a raised platform with suitable rain cover so that the compost manure is not washed away by rain/runoff.
- ix. Characteristic of soil, ground water and effect on crop yield should be monitored in the area where compost is used as manure and results thereof shall be compiled and reported in the Environment statement to be submitted every year.
- x. The test wells shall be provided around the compost site for ground water monitoring. The well water quality has to be maintained at 2006 level.
- xi. The operation of 60 KLPD distillery should be restricted to 270 days and that it will not operate during rainy season.. The Operation of 100 KLPD distillery should be restricted to 330 days with incineration Boiler in a year .
4. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	396.00
2.	Domestic purpose	65.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	790.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

5. Industry shall install online monitoring system as per the guidelines of CPCB and data to be transmitted to Board's server.
6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.



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SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

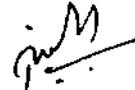
1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM
1	Boiler	ESP	70	Evaporated Spent wash - 237 CMDntwash + Coal	80 MT/Day
1	Boiler	Wet Scrubber	40	Bagasse + Biogas	48 MT/Day

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

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

6. Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
7. The industry shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 and connected to MPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
8. The industry shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office MPCB.
9. 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(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	500000	15 days	Towards compliance of Consent conditions & O & M of pollution control system.	31.08.2020	31.12.2020
2	C to R	500000	15 days	Towards compliance of EC conditions.	31.08.2020	31.12.2020.

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

BG Forfeiture History

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

BG Return details

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

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SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.

17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
31. 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.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
34. The applicant shall make an application for renewal of the consent atleast 60 days before the date of expiry of the consent.



PART C

ANNEXURE NO.	ENCLOSURES
ANNEXURE 1	AMBIENT AIR, NOISE AND WATER MONITORING AND SOIL ANALYSIS REPORTS

ANNEXURE 1

**AMBIENT AIR, NOISE AND WATER MONITORING AND SOIL ANALYSIS
REPORTS**

Environmental Consultancy & Laboratory

Lab. Gazetted by MoEF&CC-Govt. of India [Recognized for period 02.06.2016 to 01.06.2021]
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 QCI-NABET Accredited EIA Consulting Organization
 STP/ETP/WTP Project Management Consultants

ISO 9001 : 2015
 OHSAS 18001 : 2007

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.
 Tele : +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/7654/12-2019
ISSUE DATE : 19/12/2019
YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: : NA
Sample Registration Date : 13/12/2019
Date of Sampling : 10/12/2019 to 11/12/2019
Time of Sampling : 09:30 Hrs. to 09:30 Hrs.
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 18/12/2019
Sample Lab Code : UT/ELS/259/12-2019
Ambient Air Temperature : 24.1 °C to 27.6 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 01
Sample Location : Near Main Gate
 Co-ordinates N18°16'13.76";E74°40'14.21"
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 24 Hours
Relative Humidity : 46.0% to 62.0 %

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	10	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	12	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	83	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	31	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.3	mg/m ³

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference.
 (Turnover to find Annexure).

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ASHAENVIRO; Model -APM 450; Sr. No. 01	Valid up to - 25/02/2020
Fine Dust Sampler	Make - NETEL; Model- NETEL-FDS 2.5 A; Sr. No. FDS-269	Valid up to - 24/02/2020	

- Note:**
1. This test report refers only to the sample tested.
 2. Monitoring area coming under Industrial 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 -



DR. Rahul Kolhapurkar
 (Authorized Signatory)

ANNEXURE-I**NATIONAL AMBIENT AIR QUALITY STANDARDS, PART III-SECTION IV****The Gazette of India with Effect from Wednesday, November 18, 2009/ PART I, KA 27, 1981**

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 ₂), µg/m ³	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO _x), µg/m ³	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM ₁₀), µg/m ³	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM _{2.5}), µg/m ³	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m ³	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

Environmental Consultancy & Laboratory

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ISO 9001 : 2015
 OHSAS 18001 : 2007

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.
 Tele : +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/7655/12-2019
ISSUE DATE : 19/12/2019
YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: : NA
Sample Registration Date : 13/12/2019
Date of Sampling : 10/12/2019 to 11/12/2019
Time of Sampling : 10:00 Hrs. to 10:00 Hrs.
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 18/12/2019
Sample Lab Code : UT/ELS/260/12-2019
Ambient Air Temperature : 24.8 °C to 26.6 °C

AMBIENT AIR QUALITY MONITORING

Location Code : 02
Sample Location : Near Store Room
 Co-ordinates: N18°16'14.38"; E74°40'20.82"
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 24 Hours
Relative Humidity : 45.0 % to 60.0%

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	15	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	23	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	82	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	33	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.6	mg/m ³

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference.
 (Turnover to find Annexure)..

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ENVIROTECH; Model - APM460BL; Sr. No. 853-DTD-2007	Valid up to - 06/10/2020
Fine Dust Sampler	Make - ENVIROTECH; Model - APM 550; Sr. No. 488-DTJ-2010	Valid up to - 06/10/2020	

- Note:**
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 2. Monitoring area coming under Industrial 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 -

For ULTRA-TECH

Dr. Rahul Kolhapurkar
 (Authorized Signatory)

ANNEXURE-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 ₂), µg/m ³	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO _x), µg/m ³	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM ₁₀), µg/m ³	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM _{2.5}), µg/m ³	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m ³	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

Environmental Consultancy & Laboratory

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ISO 9001 : 2015
 OHSAS 18001 : 2007

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TEST REPORT

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

REPORT NO. : UT/ELS/REPORT/7656/12-2019
ISSUE DATE : 19/12/2019
YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No.: : NA
Sample Registration Date : 13/12/2019
Date of Sampling : 11/12/2019 to 12/12/2019
Time of Sampling : 11:00 Hrs. to 11:00 Hrs.
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 18/12/2019
Sample Lab Code : UT/ELS/261/12-2019
Ambient Air Temperature : 24.3 °C to 25.9°C

AMBIENT AIR QUALITY MONITORING

Location Code : 03
Sample Location : Near Distillery
 Co-ordinates: N18°16'19.51"; E74°40'29.63"
Collected By : ULTRA-TECH
Height of Sampler : 1.0 Meter
Sampling Duration : 24 Hours
Relative Humidity : 44.0 % to 62.0%

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Sulphur Dioxide (SO ₂)	IS 5182 (Part 02) : 2001	13	µg/m ³
2.	Oxides of Nitrogen (NO _x)	IS 5182 (Part 06) : 2006	17	µg/m ³
3.	Particulate Matter (PM ₁₀)	EPA/625/R-96/010a Method IO-2.1	80	µg/m ³
4.	Particulate Matter (PM _{2.5})	UT/LQMS/SOP/AA05	36	µg/m ³
5.	Carbon Monoxide (CO) †	IS 5182 (Part 10): 1999	1.8	mg/m ³

†: Sampling Period 1 Hr.

Opinions / Interpretations: National Ambient Air Quality Monitoring Standard, Part III- Section IV is provided as Annexure-I for your reference.
 (Turnover to find Annexure)..

Sampling Equipment Details	Instrument Used	Make & Model	Calibration Status
	Respirable Dust Sampler	Make - ASHAENVIRO; Model -APM 450; Sr. No. 01	Valid up to - 25/02/2020
Fine Dust Sampler	Make - NETEL; Model- NETEL-FDS 2.5 A; Sr. No. FDS-269	Valid up to - 24/02/2020	

- Note:**
1. This test report refers only to the sample tested.
 2. Monitoring area coming under Industrial 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 -



ANNEXURE-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 ₂), µg/m ³	Annual*	50	20
		24 Hours**	80	80
02.	Oxides of Nitrogen (NO _x), µg/m ³	Annual*	40	30
		24 Hours**	80	80
03.	Particulate Matter (PM ₁₀), µg/m ³	Annual*	60	60
		24 Hours**	100	100
04.	Particulate Matter (PM _{2.5}), µg/m ³	Annual*	40	40
		24 Hours**	60	60
05.	Carbon Monoxide (CO), mg/m ³	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

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ISO 9001 : 2015
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Tele : +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/7659/12-2019
ISSUE DATE : 19/12/2019
YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS :

Sampling Plan Ref. No. : NA
Date of Monitoring : 10/12/2019

NOISE LEVEL QUALITY MONITORING

Sample Lab Code : UT/ELS/264/12-2019
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	10:30 to 10:35	72.6	22:35 to 22:40	58.6
02.	Near Store Room	10:40 to 10:45	73.5	22:45 to 22:50	59.3
03.	Near Distillery	10:50 to 10:55	74.9	23:00 to 23:05	60.1
04.	Near ETP	11:00 to 11:05	72.8	23:10 to 23:15	62.4

Opinions / Interpretations: *The Noise Pollution (Regulation And Control) Rules, 2000: Is Provided as Annexure II for Your Reference.
(Turnover to find Annexure).*

Note: 1. Monitoring area coming under Industrial 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 - Lutron; Model - SL-4030; Sr. no. Q-623339	Valid up to - 27/12/2019

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 -

For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)

ANNEXURE-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.

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Tele : +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 REPORT NO. : UT/ELS/REPORT/7661/12-2019
Village - Shetphalgade, Taluka-Indapur ISSUE DATE : 19/12/2019
District-Pune 413030. YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS :
Sampling Plan Ref. No. : NA
Sample Registration Date : 13/12/2019
Date of Sampling : 10/12/2019
Time of Sampling : 11:00Hrs. to 12:00 Hrs.

STACK EMISSIONS QUALITY MONITORING
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 16/12/2019
Sample Lab Code : UT/ELS/266/12-2019
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 Liters/hr

FLUE GAS CHARACTERISTICS

Flue Gas Temperature : 328 °K
Flue Gas Velocity : 6.0 m/sec
Volumetric Flow Rate : 3737 Nm³/hr
Total Volume of Flue Gas : 1.000 Nm³ (@ STP)

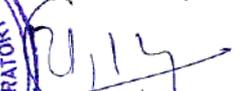
Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	12	mg/Nm ³
2.	Sulphur Dioxide (SO ₂)	IS 11255 (Part 02) : 1985	6	mg/Nm ³

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 - 28/01/2020

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 -

For ULTRA-TECH,

Dr. Rahul Kolhapurkar
(Authorized Signatory)



Environmental Consultancy & Laboratory

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TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION **REPORT NO.** : UT/ELS/REPORT/7662/12-2019
Village -Shetphalgade, Taluka-Indapur **ISSUE DATE** : 19/12/2019
District-Pune 413030. **YOUR REF.** : 4500077501
 REF. DATE : 12/04/2017

SAMPLE PARTICULARS : **STACK EMISSIONS QUALITY MONITORING**
Sampling Plan Ref. No. : NA **Analysis Starting Date** : 13/12/2019
Sample Registration Date : 13/12/2019 **Analysis Completion Date** : 16/12/2019
Date of Sampling : 10/12/2019 **Sample Lab Code** : UT/ELS/267/12-2019
Time of Sampling : 16:00Hrs. to 17:00 Hrs. **Sample Collected By** : ULTRA-TECH

STACK DETAILS

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

FLUE GAS CHARACTERISTICS

Flue Gas Temperature : 407 °K **Volumetric Flow Rate** : 213182 Nm³/hr
Flue Gas Velocity : 6.9 m/sec **Total Volume of Flue Gas** : 1.000 Nm³ (@ STP)

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	Total Particulate Matter (TPM)	UT/LQMS/SOP/SE01	14	mg/Nm ³
2.	Sulphur Dioxide (SO ₂)	IS 11255 (Part 02) : 1985	38	mg/Nm ³

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 - 28/01/2020

Note:
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2. This test report is valid at the time of and under the conditions specified herein.
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For **ULTRA-TECH,**
Dr. Rahul Kolhapurkar
(Authorized Signatory)

Environmental Consultancy & Laboratory

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ISO 9001 : 2015
 OHSAS 18001 : 2007

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TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION	REPORT NO. : UT/ELS/REPORT/7657/12-2019
Village -Shetphalgade, Taluka-Indapur	ISSUE DATE : 19/12/2019
District-Pune 413030.	YOUR REF. : 4500077501
	REF. DATE : 12/04/2017

SAMPLE PARTICULARS :	WATER SAMPLE ANALYSIS
Sampling Plan Ref. No. : NA	Sample Type : RO Water Outlet
Sample Registration Date : 13/12/2019	Sample Location : Near Store Room
Date & Time of Sampling : 12/12/2019 at 11:00Hrs	
Analysis Starting Date : 13/12/2019	
Analysis Completion Date : 19/12/2019	Sample Quantity & Packing Details : 2 L in Plastic Container and 100ml in Sterile Corning Bottle.
Sample Collected By : ULTRA-TECH	
Sample Lab Code : UT/ELS/262/12-2019	

Sr. No.	Test Parameter	Test Method	Test Result	Unit	Standard Limits [IS 10500 : 2012]
PHYSICAL PARAMETERS:-					
1.	Turbidity	IS 3025 (Part 10) 1984	BDL[DL=0.1]	NTU	1
CHEMICAL PARAMETERS:-					
2.	pH	IS 3025 (Part 11) 1983	7.1	-	6.5 - 8.5
3.	Electrical Conductivity*	IS 3025 (Part 14) 1984	114	µS/cm	-
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	74	mg/L	500
5.	Total Hardness as CaCO ₃	IS 3025 (Part 21) 2009	39	mg/L	200
6.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	36	mg/L	200
7.	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	BDL[DL=1]	mg/L	--
8.	Sulphate as SO ₄ ²⁻	APHA 4500- SO ₄ ²⁻ E	10	mg/L	200
9.	Phosphate as PO ₄ ³⁻ *	APHA 4500 P E	BDL[DL=0.03]	mg/L	--
10.	Chlorides as Cl ⁻	IS 3025 (Part 32) 1988	13	mg/L	250
11.	Ammonical Nitrogen as NH ₃ -N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L	0.5
12.	Nitrates as NO ₃	IS 3025 (Part 34) 1988	2.66	mg/L	45
13.	Calcium Hardness as CaCO ₃	IS 3025 (Part 40) 1991	22	mg/L	--
14.	Calcium as Ca	IS 3025 (Part 40) 1991	9	mg/L	75
15.	Potassium as K	IS 3025 (Part 45) 1993	0.8	mg/L	--
16.	Sodium as Na	IS 3025 (Part 45) 1993	9	mg/L	--
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	4	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 ⁻	APHA 4500-F D	BDL[DL=0.2]	mg/L	1.0
BACTERIOLOGICAL PARAMETERS:					
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.*

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TEST REPORT**ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION**

Village -Shetphalgade, Taluka-Indapur
District-Pune 413030.

REPORT NO. : UT/ELS/REPORT/7658/12-2019**ISSUE DATE : 19/12/2019****YOUR REF. : 4500077501****REF. DATE : 12/04/2017****SAMPLE PARTICULARS**

Sampling Plan Reference No. : NA
Sample Registration Date : 13/12/2019
Date & Time of Sampling : 12/12/2019 at 11:30Hrs
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 19/12/2019
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/263/12-2019

WASTE WATER SAMPLE ANALYSIS

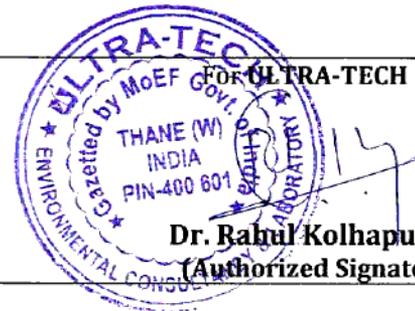
Sample Type : Treated Effluent
Sample Location : ETP Outlet 800 KLD
Sample Quantity & Packing Details : 1L in Wide Mouth Glass Bottle for Oil and Grease and 2L In Plastic Container for other parameters

Sr. No.	Test Parameter	Test Method	Test Result	Unit
1.	pH	IS 3025 (Part 11) : 1983	7.2	-
2.	Total Dissolved Solids	IS 3025 (Part 16) : 1984	448	mg/L
3.	Total Suspended Solids	IS 3025 (Part 17) : 1984	10	mg/L
4.	Sulphate as SO ₄ ²⁻	APHA 22 nd Ed. 4500- SO ₄ ²⁻ E	88	mg/L
5.	Chlorides as Cl ⁻	IS 3025 (Part 32) : 1988	64	mg/L
6.	Oil & Grease	IS: 3025 (Part 39) : 1991	BDL [DL=2]	mg/L
7.	Biochemical Oxygen Demand (27°C, 3Days)	IS 3025 (Part 44) : 1993	6.8	mg/L
8.	Chemical Oxygen Demand	IS 3025 (Part 58) : 2006	24	mg/L

BDL: Below Detection Limit **DL: Detection Limit**

Opinions / Interpretations: NIL

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TEST REPORT

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

REPORT NO. : UT/ELS/REPORT/7660/12-2019
ISSUE DATE : 19/12/2019
YOUR REF. : 4500077501
REF. DATE : 12/04/2017

SAMPLE PARTICULARS

Sampling Plan Ref. No. : NA
Sample Registration Date : 13/12/2019
Date & Time of Sampling : 12/12/2019 at 12:00 Hrs.
Analysis Starting Date : 13/12/2019
Analysis Completion Date : 19/12/2019
Sample Collected By : ULTRA-TECH
Sample Lab Code : UT/ELS/265/12-2019

SOIL QUALITY MONITORING

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

Sr. No.	Test Parameter	Test Methods	Test Result	Unit
1.	Colour*	-	Brown	-
2.	Moisture Content	IS:2720 (Part 2) : 1973	5.8	%
3.	Bulk Density	UT/LQMS/SOP/S03	1112	kg/m ³
4.	Organic Matter	IS:2720 (Part 22) : 1972	0.9	%
5.	Total Organic Carbon	IS:2720 (Part 22) : 1972	0.5	%
6.	pH	IS:2720 (Part 26) : 1987	7.1	-
7.	Conductivity(1:2soil:Water Extract)	IS:14767- 2000	0.612	mS/cm
8.	Salinity (1:2 soil: Water Extract)*	Calculated in terms of Total Dissolved Solids	379	mg/L
9.	Sodium as Na (Water Extractable)	UT/LQMS/SOP/S19	135	mg/kg
10.	Magnesium as Mg (Water Extractable)	UT/LQMS/SOP/S22	74	mg/kg
11.	Chlorides as Cl (Water Extractable)	UT/LQMS/SOP/S23	78	mg/kg
12.	Sulphate as SO ₄ ²⁻ (Water Extractable)	UT/LQMS/SOP/S24	146	mg/kg
13.	Sodium Adsorption Ratio	UT/LQMS/SOP/S26	1.3	(meq/kg) ^{1/2}
14.	Cation Exchange Capacity	USEPA 846 9080	25.9	meq/100g
15.	Water Holding Capacity	ASTM- T7367-07	54.7	%
16.	Available Boron as B (Available)	UT/LQMS/SOP/S27	0.9	mg/kg
17.	Phosphorous as P ₂ O ₅ (Available)	UT/LQMS/SOP/S28	78	kg/ha
18.	Potassium as K ₂ O (Available)	UT/LQMS/SOP/S29	267	kg/ha
19.	Nitrogen as N (Available)	UT/LQMS/SOP/S30	179	Kg/ha
20.	Iron as Fe	USEPA SW846 7380	58412	mg/kg
21.	Zinc as Zn	USEPA SW846 7950	86	mg/kg

Opinions / Interpretations: NIL

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TEST REPORT

ISSUED TO: M/s. BARAMATI AGRO LTD SUGAR DIVISION Village - Shetphalgade, Taluka - Indapur District - Pune 413030.	REPORT NO. : UT/ELS/REPORT/7730/12-2019 ISSUE DATE : 24/12/2019 YOUR REF. : 4500077501 REF. DATE : 12/04/2017
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SAMPLE PARTICULARS	WATER SAMPLE ANALYSIS
Sampling Plan Ref. No. : C-16/10-2019 Sample Registration Date : 16/10/2019 Date & Time of Sampling : 15/10/2019 at 12:00Hrs Analysis Starting Date : 16/10/2019 Analysis Completion Date : 26/10/2019 Sample Collected By : ULTRA-TECH Sample Lab Code : UT/ELS/C-094/10-2019	Sample Type : Ground Water Sample Location : At Shephalagade Gaon Sample Quantity & Packing Details : 2 L in Plastic Container for physico-chemical parameters and 100ml in Sterile Corning Bottle for bacteriological parameters.

Sr. No.	Test Parameter	Test Method	Test Result	Unit
PHYSICAL PARAMETERS:-				
1.	Turbidity	IS 3025 (Part 10) 1984	1.8	NTU
CHEMICAL PARAMETERS:-				
2.	pH	IS 3025 (Part 11) 1983	7.2	-
3.	Electrical Conductivity	IS 3025 (Part 14) 1984	865	µS/cm
4.	Total Dissolved Solids	IS 3025 (Part 16) 1984	562	mg/L
5.	Total Hardness as CaCO ₃	IS 3025 (Part 21) 2009	392	mg/L
6.	Total Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	380	mg/L
7.	Phenolphthalein Alkalinity as CaCO ₃	IS 3025 (Part 23) 1986	BDL [DL=1]	mg/L
8.	Sulphate as SO ₄ ²⁻	APHA 4500-SO ₄ ²⁻ E	66	mg/L
9.	Phosphate as PO ₄ ³⁻	APHA 4500 P E	BDL [DL=0.03]	mg/L
10.	Chlorides as Cl ⁻	IS 3025 (Part 32) 1988	75	mg/L
11.	Ammonical Nitrogen as NH ₃ -N	IS 3025 (Part 34) 1988	BDL [DL=0.1]	mg/L
12.	Nitrates as NO ₃ ⁻	IS 3025 (Part 34) 1988	6.20	mg/L
13.	Calcium Hardness as CaCO ₃	IS 3025 (Part 40) 1991	232	mg/L
14.	Calcium as Ca	IS 3025 (Part 40) 1991	93	mg/L
15.	Potassium as K	IS 3025 (Part 45) 1993	1.8	mg/L
16.	Sodium as Na	IS 3025 (Part 45) 1993	45	mg/L
17.	Magnesium as Mg	IS 3025 (Part 46) 1994	39	mg/L
18.	Lead as Pb	IS 3025 (Part 47) 1994	BDL [DL=0.01]	mg/L
19.	Iron as Fe	IS 3025 (Part 53) 2003	BDL [DL=0.06]	mg/L
20.	Fluoride as F ⁻	APHA 4500-F D	BDL [DL=0.2]	mg/L
BACTERIOLOGICAL PARAMETERS:				
21.	Total Coliform*	IS 1622 : 1981	12	MPN/100 ml
22.	F.Coli*	IS 1622 : 1981	BDL [DL=2]	MPN/100 ml
23.	E.Coli*	IS 1622 : 1981	Absent	-

DL - Detection Limit
BDL - Below Detection Limit
Opinions / Interpretations: Nil.

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