



Adv. Birappa B. Jadhav (B.Sc. Agr., LL.B.)
Chairman
Managing Director

Sachin B. Jadhav (B.Sc. Agr., M.B.A.)

JAKRAYA SUGAR LTD.

Regd. Office :

Chalekar Gali, Mangaiwada, Dist. Solapur - 413 305

Phone : 02188 - 221173 Fax: 02188 - 220523

E-mail : jakraya@rediffmail.com

Factory : At. Watwate, Tal - Mohol, Dist. Solapur - 413 253

Phone : 02189 - 259498, 259499, Fax : 02189 - 259497

Ref. No. JSL/MFG/2519/2018-19

Date: 30/01/2019

To,
The Regional Officer,
MoEFCC; Regional Office (WCZ),
Ground Floor, East Wing,
New Secretariat Building,
Civil Lines, Nagpur - 440001

Sub. : Regarding verification and certification of compliance done towards conditions stipulated in Environmental Clearance (EC) granted to 30 KLPD molasses based distillery by M/s. JAKRAYA Sugar Ltd., at Gat No. 61/A, Village Watwate, Taluka Mohol, Dist., Solapur, MS.

- Ref. : 1. EC granted by Ministry of Environment, Forests & Climate change (MoEFCC); New Delhi vide its Letter No. J-11011/314/2012-LA II(I) dated 28th October 2015. A copy of EC letter is presented at **Enclosure-I** for ready reference.
2. ToRs issued by Ministry of Environment, Forests & Climate change (MoEFCC); New Delhi vide its Letter No. J-11011/314/2012-LA II(I) dated 03rd December, 2018. A copy of ToRs letter is presented at **Enclosure-II** for ready reference.

Dear Sir,

This has reference to ToR issued to our industrial unit M/s. "M/s. JAKRAYA Sugar Ltd.," at Gat No. 61/A, Village Watwate, Taluka Mohol, Dist., Solapur, MS.

The same in respect of expansion of 30 KLPD molasses based distillery upto 200 KLPD (increased by 170KLPD). In the ToR issued it has been directed to submit a certified compliance report of existing EC.

Accordingly, we are submitting herewith a point wise compliance towards the conditions stipulated in said Environmental Clearance (EC) letter.

Kindly let us know if any additional details are required to be submitted. Also, please communicate about your probable date of visit to our industry.

Thanking you,



Yours faithfully,

[Signature]
Managing Director.

INDEX

SR. NO.	DESCRIPTION	PAGE NO.
1.	Enclosure – I: Environment Clearance (EC) Letter w.r.t 30 KLPD Molasses Based Distillery unit.	2-7
2.	Enclosure – I: Standard ToR	8-21
3.	Point wise Compliance towards Conditions 30 KLPD Molasses Based Distillery unit	22-32
4.	Annexure – I: Screen shot of Website	33-34
5.	Annexure – II: Road Photographs	35
6.	Annexure – III: Water Permission	36-38
7.	Annexure – IV: Photographs of RCC Lagoons	39
8.	Annexure – V: Photographs of Drain	40
9.	Annexure – VI: Photographs of Piezometer & Compost yard , NOC of CGWA	41-43
10.	Annexure – VII: Fire Fighting	44
11.	Annexure – VIII: Health Check-up Reports	45-52
12.	Annexure – IX: Parking	53
13.	Annexure – X: Green Belt	54-56
14.	Annexure – XI: Public Hearing	57-68
15.	Annexure – XII: CER Activities	69-74
16.	Annexure – XIII: Monitoring Reports And Photographs of Online Monitoring System	75-78
17.	Annexure – XIV: Acknowledgement copy submitted to Panchayat	79
18.	Annexure – XV: Environment Statement	80-82
19.	Annexure – XVI: Advertise of EC	83

Enclosure - I

EC Letter

F. No. J-11011/314/2012- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Aligarj, Jorbagh Road,
New Delhi -110003

E-mail : ik.bokolia@nic.in
Telefax : 011: 24695313
Dated: 28th October, 2015

To,
The Managing Director
M/s. Jakraya Sugar Limited
Watwate, Tal- Mohol,
District - Solapur-413253,
Maharashtra

E-mail: distillery.jsl@gmail.com; Fax: 02189-259498.

Subject: Molasses based Distillery (30 KLPD) at Gat No. 61/A, Village Watwate, Taluka Mohol, District Solapur, Maharashtra by M/s Jakraya Sugar Ltd - Environmental Clearance reg.

Ref : Your Online Proposal ID No IA/MH/IND/25290/2012 dated 22nd November, 2014.

Sir,

This has reference to your online submitted proposal dated 22nd November, 2014 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report alongwith Public Hearing Report and subsequent communication vide your letter dated 29th April, 2015 on the above mentioned subject.

2.0 The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that environment clearance for setting up of Molasses based Distillery (30 KLPD) at Gat No. 61/A, Village Watwate, Taluka Mohol, District Solapur, Maharashtra by M/s Jakraya Sugar Ltd. Total plot area is 68300 m² of which greenbelt will be developed in 29271.3 m². Proposed distillery unit will be established in the existing 2500 TCD Sugar Factory and Co-generation Power Plant (11 MW). The project site is located about 3.18 km distance from Bhima River. It is reported that no national park/wildlife sanctuary/biosphere reserves are located within 10 km distance. Cost of project is Rs. 31.74 Crore. Distillery will be operated for 190 days. Total requirement of molasses is 22800 MT for the proposed 30 KLPD Distillery for 190 days, which will be sourced from own molasses to the extent of 25,200 MT after crushing 6.3 Lakh MT sugar cane. Following are the details of plant configurations :

S.N.	Plant	Details
1	Plant Capacity	30 KLPD
2	Fuel alcohol	810 KL/month
	Head spirit	45 KL/Month
	Rectified Spirit	855 KL/month
	Extra neutral alcohol	855 KL/month
	Fuel oil consumption	1.8 KL/month

M/s Jakraya Sugar Ltd.

Page 1

3	Biogas	12000 m ³ /day
4	Bio-compost generation	23640 MT/ annum

3.0 Utility boiler of existing sugar unit will be used to meet the steam requirement in the proposed distillery. Total fresh water requirement from Bhima River will be 300 m³/day. Spent wash generation from molasses based distillery will be 240 m³/day. The spent wash from molasses based distillery will be treated in bio-methanation process and evaporated in Multiple Effect Evaporator (MEE) and concentrated spent wash will be mixed with press mud generated from sugar unit for preparation of bio-compost. Spentlees and evaporator condensate will be treated and recycled/reused in process. No effluent will be discharged outside the premises and 'Zero' discharge will be maintained. Spent oil will be sold to authorized recyclers/re-processors.

4.0 Public Hearing / Public Consultation meeting was held on 24th February, 2014.

5.0 All molasses based distilleries are listed at S.N. 5(g) (i) under category 'A' and appraised at Central level.

6.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its meetings held during 31st January, 2013-1st February, 2013, 29th-30th October, 2014, 16th -17th March, 2015 and 20th - 21st July, 2015 respectively. Project Proponent and the EIA Consultant namely M/s Mantras Green Resources Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

7.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to 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) Environment clearance accorded is for molasses based distillery unit (30 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.
- ii) As proposed, utility boiler of existing sugar unit shall be used and no additional boiler shall be installed.
- 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 prescribed by Maharashtra Pollution Control Board (MPCB).

- iv) 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.
- v) 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.
- vi) Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.
- vii) Total fresh water requirement from Bima River for distillery unit shall not exceed 300 m³/day and prior permission shall be obtained from the Competent Authority. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.
- viii) Spent wash generation from molasses based distillery shall not exceed 8 KI/KI of alcohol. The spent wash from molasses based distillery shall be treated in bio-methanation process and evaporated in MEE and concentrated spent wash will be mixed with press mud generated from sugar unit for manufacturing organic manure to achieve 'Zero' discharge. Evaporator Condensate shall be treated and recycled/reused in process. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.
- ix) 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.
- x) Spent wash shall be stored in impervious pucca lagoons (RCC) with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. The storage of spent wash shall not exceed 5 days capacity.
- xi) Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- xii) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly 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 Bhopal and MPCB.
- xiii) Bagasse/biomass storage in the existing sugar unit shall be done in such a way that it does not get air borne or fly around due to wind.
- xiv) Boiler ash in the sugar unit 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.

- xv) 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. DMP shall be implemented.
- xvi) 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.
- xvii) 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.
- xviii) As proposed, green belt over 29271.3 m² shall 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.
- xix) All the commitments made during the Public Hearing/Public Consultation meeting held on 24th February, 2014 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
- xx) 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 Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.
- xxi) 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, mobile sewage treatment plant, 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.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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 MPCB 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 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).

- v. 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.
- vi. During transfer of materials, spillages shall be avoided and gullies drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.
- vii. Usage of Personnel Protection Equipments by all employees/ workers shall be ensured.
- viii. 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.
- ix. The company shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- x. The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
- xi. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- xii. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xiii. The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.
- xiv. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.
- xv. 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 the Maharashtra Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- xvi. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the 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 Bhopal Regional Offices of MoEF by e-mail.


xvii. 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://envfor.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.

xviii. 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.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

9.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water 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.


(Lalit Bokolia)
Additional Director

Copy to :-

1. The Principal Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai - 400 032
2. The Chief Conservator of Forests (Central), Kendriya Paryavaran Bhavan, Link Road No.3, Bhopal-462016.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New 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 Road, New Delhi.
6. Guard File/Monitoring File/Record File.

(Lalit Bokolia)
Additional Director

Enclosure - II

ToR Letter

No.J-11011/314/2012-IA II (I)
Government of India
Minister of Environment, Forest and Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Vayu Wing, 3rd Floor, Aliganj,
Jor Bagh Road, New Delhi-110003
03 Dec 2018

To,

M/s JAKRAYA SUGAR LIMITED
At Watwate Tehsil - Mohol District - Kolhapur,
Solapur-413305
Maharashtra

Tel.No.02188-221173; Email:jakrayasugarmfg@gmail.com

Sir/Madam,

This has reference to the proposal submitted in the Ministry of Environment, Forest and Climate Change to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report. The details of the proposal are given below:

- | | |
|---|--|
| 1. Proposal No.: | IA/MH/IND2/83945/2018 |
| 2. Name of the Proposal: | Proposed expansion of Sugar Factory from 4900 to 7500 TCD, Co-gen from 11 MW to 30 MW & Molasses based Distillery unit from 30 KLPD up to 200 KLPD by Jakraya Sugar Limited. |
| 3. Category of the Proposal: | Industrial Projects - 2 |
| 4. Project/Activity applied for: | 5(g) Distilleries
5(j) Sugar Industry |
| 5. Date of submission for TOR: | 30 Oct 2018 |

In this regard, under the provisions of the EIA Notification 2006 as amended, the Standard TOR for the purpose of preparing environment impact assessment report and environment management plan for obtaining prior environment clearance is prescribed with public consultation as follows:

**STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR
PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE**

**5(g): STANDARD TERMS OF REFERENCE FOR CONDUCTING
ENVIRONMENT IMPACT ASSESSMENT STUDY FOR
DISTILLERIES AND INFORMATION TO BE INCLUDED IN EIA/EMP
REPORT**

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

2) Introduction

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3) Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing (existing) operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6) Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

- 10)** Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) 'A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR DISTILLERIES

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses/grains, their source with availability.
4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of piezometers to be proposed around spent wash holding tank.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard (if applicable).
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device)

**STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR
PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE**

**5(j): STANDARD TERMS OF REFERENCE FOR CONDUCTING
ENVIRONMENT IMPACT ASSESSMENT STUDY FOR SUGAR
INDUSTRY INFORMATION TO BE INCLUDED IN EIA / EMP
REPORT**

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

2) Introduction

- i. Details of the EIA Consultant including NABET accreditation
- ii. Information about the project proponent
- iii. Importance and benefits of the project

3) Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Iexisting operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- xiv. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
 - i. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
 - ii. Details w.r.t. option analysis for selection of site
 - iii. Co-ordinates (lat-long) of all four corners of the site.
 - iv. Google map-Earth downloaded of the project site.
 - v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
 - vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
 - vii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
 - viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
 - ix. Geological features and Geo-hydrological status of the study area shall be included.
 - x. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - xii. R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6) Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

7) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8) Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9) Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

- 10)** Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.

11) Enterprise Social Commitment (ESC)

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise

STANDARD TERMS OF REFERENCE (TOR) FOR EIA/EMP REPORT FOR PROJECTS/ ACTIVITIES REQUIRING ENVIRONMENT CLEARANCE

Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) 'A tabular chart with index for point wise compliance of above TOR.

B. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR SUGAR INDUSTRY

1. Complete process flow diagram describing each unit, its processes and operation in production of sugar, along with material and energy inputs and outputs (material and energy balance).
2. Details on water balance including quantity of effluent generated, recycled & reused. Effort to minimize effluent is charge and to maintain quality of receiving water body.
3. Details of effluent treatment plant, inlet and treated water quality with specific efficiency of each treatment unit in reduction in respect to fall concerned / regulated environmental parameters.
4. Number of working days of the sugar production unit.
5. Details of the use of steam from the boiler.
6. Details of proposed source-specific pollution control schemes and equipments to meet the national standards.
7. Collection, storage, handling and transportation of molasses,
8. Collection, storage and handling of bagasse and press mud.
9. Flyash management plan for coal based and bagasse and action plan
10. Details on water quality parameter such as Temperature, Colour, pH, BOD, COD, Total Kjeldhal Nitrogen, Phosphates, Oil & Grease, Total Suspended Solids, Total Coli form bacteria etc.
11. Details on existing ambient air quality and expected, stack and fugitive emissions for PM₁₀, PM_{2.5}, SO₂*, NO_x*, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards. (*-As applicable)

**Pointwise Compliance
towards Conditions in
Environment Clearance
Granted to 30 KLPD
Distillery**

Brief Summary of the Project

1. Name of Project : M/s. Jakraya Sugar Limited,
2. Location: District & State/UT : Watwate, Tal.: Mohol, Dist.: Solapur, Maharashtra State.
3. Address for Correspondence : Watwate, Tal.: Mohol, Dist.: Solapur, Maharashtra State.
4. Capacity of Project : 30 KLPD Molasses based Distillery
5. Clearance Letter No. & date : J-11011 / 314 / 2012 – IA-II(I) dated 28.10.2015
6. Date of Commissioning of Distillery : January 2018

M/s. Jakraya Sugar Limited (**JSL**) is 30 KLPD Molasses based established in integrated complex of Sugar Factory 4900 TCD & Cogen Plant of 11 MW. Environmental Clearance (EC) from MoEFCC; New Delhi have been granted to distillery on 28st October 2015. Commissioning of project was done in month of January 2018. Project site is located at a distance of 1.92 km from Watwate Village and 36 Km from Solapur district. Effluent generated from distillery is in the form of spentwash, spentlees etc. Raw spentwash generated from distillery is concentrated in Multiple Effect Evaporators (MEE). Concentrated spentwash is used for bio-composting along with other filler material such as pressmud, boiler ash and yeast sludge. Other effluents such as Spentlees, evaporation condensate generated is treated in Condensate Polishing Unit (CPU) and used for fermentation dilution and cooling tower makeup. Accordingly, Zero Liquid Discharge (ZLD) is achieved.

Sugar Factory was established in year 2010-11 and co-genn in year 2010-11. Effluents generated from sugar & cogen are treated in ETP provided on site. Steam required for sugar is taken from boiler of 70 TPH. Bagasse as fuel is used to

A. 'SPECIFIC CONDITIONS' in the Clearance Letter

Condition No.1

Environment clearance accorded is for molasses based distillery unit (30 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.

Compliance:

Only molasses is used for the 30 KLPD distillery and no grains used for distillery. Compliance is been strictly followed.

Condition No.2

As proposed utility boiler of existing sugar unit shall be used and no additional boiler shall be installed.

Compliance:

A Boiler of 70 TPH is installed in premises. The steam requirement for Sugar and distillery unit is fulfilled through this boiler no new boiler is installed. Same is provided with wet scrubber as APC equipment followed by stack of 72M height.

Condition No.3

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 are as to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage are a etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits prescribed by Maharashtra Pollution Control Board (MPCB).

Compliance:

To control the fugitive emissions from all vulnerable sources necessary compliance is done on site. There under, water sprinkling arrangements have been done to curb the dust emissions during movement of vehicles. Also, monitoring of fugitive emissions in work zone area shall be done and records of same shall be maintained on site.

Condition No.4

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.

Compliance:

Two D.G. Sets of capacity 625 KVA (2 Nos.) are installed in existing sugar factory & co-gen plant. The same is provided with silencer and stack of about 5 M each height above the rooftop. Also, acoustic enclosure is provided to mitigate the noise pollution as per norms. DG sets are operated only during power failure.

Condition No.5

The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional Office. Of MOEF, the respective Zonal office of CPCB and the MPCB. The levels of PM10, PM2.5, SO2, NOx, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.

Compliance:

The compliance towards above condition strictly followed by our industry. Refer **Annexure – I** for screen shot of website

Condition No.6

Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.

Compliance:

Construction of Pucca approach road to project site is in process. This has avoid generation of the fugitive emission during vehicle movement. Refer **Annexure – II** for Photographs

Condition No.7

Total fresh water requirement from Bhima River for distillery unit shall not exceed 300 m³/day and prior permission shall be obtained from the Competent Authority. Water consumption shall be reduced by adopting 3 R's (reduce, reuse and recycle) concept in the process.

Compliance:

The water requirement for 30 KLPD distillery unit is 175 m³/day. Company has already procured permission from concerned Irrigation department. Water permission attached at **Annexure III** for details

Condition No.8

Spentwash generation from molasses based distillery shall not exceed 8KI/Kl of alcohol. The spentwash from molasses based distillery shall be treated in bio-methanation process and evaporated in MEE and Concentrated spentwash will be mixed with press mud generated from sugar unit for manufacturing organic manure to achieve 'Zero' discharge. Evaporator Condensate shall be treated and recycled /reused in process. No effluent shall be discharged outside the premises and Zero' discharge shall be maintained.

Compliance:

The spentwash generated from 30 KLPD distillery is to the tune of 240 m³/d(8 KL/KL) . During operation it is forwarded to bio-methanation plant (capacity 500m³/d) followed by concentration in MEE (cap. 500m³/d) so as to eventually get concentrated spent wash. Concentrated spentwash is used for bio-composting along with other filler material such as pressmud, boiler ash and yeast sludge. Other effluents such as Spentlees, evaporation condensate generated is treated in Condensate Polishing Unit (CPU) and used for fermentation dilution and cooling tower makeup. Accordingly, Zero Liquid Discharge (ZLD) was achieved. Refer **Annexure - IV** for photographs of compost yard.

Condition No.9

Automatic/online monitoring system (24x7monitoringdevices) 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.

Compliance:

Online monitoring system for ETP treated water is installed for measuring flow and pollutants like pH, COD, BOD, TSS etc. Also, online system is installed for Stack emission for measuring flow and pollutants like SPM, SO₂. Photographs of same is attached to **Annexure-XIII** wrt online system

Condition No.10

Spentwash shall be stored in impervious pucca lagoons (RCC) with proper lining with HDPE and shall be kept in proper condition to prevent groundwater pollution. The storage of spentwash shall not exceed 5days capacity.

Compliance:

A 30 days storage capacity tank for raw spentwash is provided on site and 5 days for storage of biomethanated spentwash is provided on site. The same has been designed as per CPCB's technical guidelines. HDPE liners of 250 mm followed by cement concrete lining have been done. The area of compost yard is 1950 sq.m. Refer **Annexure - IV** Photographs of RCC Lagoons and compost yard.

Condition No.11

Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

Compliance:

No process effluent in form of spentwash is allowed to mix with storm water. Separate drains have been provided on site for collection of storm water. Also, spentwash is carried to treatment facility through closed HDPE pipelines. Hence, mixing of spentwash with storm water do not occur. Refer **Annexure-V** Photographs of drains.

Condition No.12

Adequate numbers of groundwater quality monitoring stations by providing piezometers around the project area and compost yard 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 Bhopal and MPCB.

Compliance:

Installation of 2 nos. Piezometer is done on site. The same is installed near biocompost yard and ETP. Company does not extract water from ground for Sugar,Co-Gen & Distillery unit or any other purpose. Photographs of Piezometer and compost yard, NOC from CGWA are attached in **Annexure VI**.

Condition No.13

Bagasse / biomass storage in the existing sugar unit shall be done in such a way that it does not get air borne or fly around due to wind.

Compliance:

Adequate measures have been taken around bagasse storage for prevention of air pollution. Therein, green belt is provided for prevention of air pollution.

Condition 14:

Boiler ash in the sugar unit 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.

Compliance:

A care is taken to avoid mixing of ash in to air or water. 6% ash from total ash generated is utilized in spentwash bio-composting. Remaining ash is sold to brick manufacturer.

Condition No.15

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. DMP shall be implemented

Compliance:

Fire hydrant system at manufacturing process and other necessary areas as well as foam system near alcohol storage tanks has been provided. Refer **Annexure-VII** for photographs of Fire hydrant equipments.

Condition No.16

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

Compliance:

Health check ups are regularly carried out every year for all workers. Hence latest health checkup was carried out in the year 17.01.2019. Moreover, health awareness camps are regularly organized to educate workers and staff members about the Health Hazards and control measures. A sample copy of health check-up report is attached at **Annexure - VIII**.

Condition No.17

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'

Compliance:

Separate parking area of 20 acres has provided for loading and unloading of material. Refer **Annexure - IX** photographs of parking.

Condition No.18

As proposed, green belt over 29271.3 m² shall 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.

Compliance:

Existing green belt developed on site is 73,281 Sq. M. which is 32 % of total plot area. There under, 4650 nos of trees have been planted. Moreover, under proposed expansion of sugar factory, co-gen & distillery plant, an area of about 1020 Sq. M. (1% of total plot area) will be developed under green belt. Details wrt list of trees planted and their number are enclosed at **Annexure - X**

Condition No.19

All the commitments made during the Public Hearing / Public Consultation meeting held on 24thFebruary, 2014 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.

Compliance:

No specific commitments were made during Public Hearing. Refer copy of minutes of public hearing enclosed at **Annexure - XI**

Condition No.20

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 Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.

Compliance:

CSR activities are being undertaken by JSL. There under, an amount of Rs.5.25 Lakh have been spent for activities like provision for Bandhara repairing , Land development, Donation for gram festival , etc .The details on CSR activity is attached at **Annexure - XII**

Condition No.21

Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water ,medical health care, crèche etc. The housing may be in the formof temporary structure toberemovedafterthecompletionoftheproject.All the construction wastes shall be managed so that there is no impact on the surroundingenvironment.

Compliance:

Compliance to condition was done.

B. 'GENERAL CONDITIONS' in the Clearance Letter**Condition No.1**

The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.

Compliance:

Industry is strictly following the stipulations made by the Maharashtra Pollution Control Board (MPCB), State Government and any other statutory authority.

Condition No. 2

No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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 environment protection measures required, if any.

Compliance:

No expansion or modifications in the plant is carried out without prior approval of the Ministry of Environment and Forests.

Condition No.3

The locations of ambient air quality monitoring stations shall be decided in consultation with the MPCB 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 concentration are anticipated.

Compliance:

Ambient air quality monitoring stations are decided in consultation with the MPCB. Refer **Annexure-XIII**

Condition No.4

The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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 viz. 75 dBA (day time) and 70 dBA (night time).

Compliance:

The noise levels in the industry premises are within the prescribed limits. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 viz. 75 dBA (day time) and 70 dBA (night time).

Condition No.5

The Company shall harvest rainwater from the roof-tops of the buildings and storm water drains to recharge the groundwater and use the same water for the process activities of the project to conserve fresh water.

Compliance:

The planning and implementation of Rain water harvesting is under process.

Condition No.6

During transfer of materials spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic wastewater and storm water drains.

Compliance:

Care is taken while handling and transfer of material to avoid spillages. All steps will be taken to avoid mixing accidental spillages with domestic wastewater and storm water drains.

Condition No.7

Usage of Personnel Protection Equipments by all employees / workers shall be ensured

Compliance:

PPEs namely helmets, shoes, gloves, earplugs, goggles, body harness, mask etc. are being provided for workers working in the industry.

Condition No.8

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.

Compliance:

Periodic training on safety, health aspects and handling of chemicals are being taken. Further the protocol pre-employment and periodic health check-up of workers is routinely followed. Refer **Annexure-VIII** for sample health check-up report.

Condition No.9

The company shall also comply with all the environment protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendation made in the EIA/ EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.

Compliance:

The Company is complying with all the environmental protection measures and safeguards and implement all the recommendations made in EIA/EMP. Details are given in table below

Sr. No.	Description	Cost Component (In Crores)	
		Capital	Annual O & M
1	Air Pollution Control (APC) equipment – Wet scrubber for Existing 70 TPH ,Co-Gen Boiler, ESP for 90 TPH Boiler in distillery with overall 2 stacks (72 M) & Stack (75 M) Online system	Rs. 8.5	Rs. 1.7
2	Spentwash Treatment Facility – Spentwash Storage tanks, MEE, CPUs, Existing Sugar Factory ETP Up-gradation, Online system	Rs.15.0	Rs. 3.0
3	Noise Pollution Control	Rs. 2.0	Rs. 0.25
4	Environmental Monitoring & management	Rs. 1.5	Rs. 0.35
5	Occupational Health & Safety	Rs .0.35	Rs. 0.1
6	Green Belt Development & Rain Water Harvesting	Rs. 1.5	Rs. 0.25
7	Provision towards CSR in Five Years after grant of EC	Rs .2.5	Rs. 0.2
	Total	Rs. 31.35	Rs. 5.85

Condition No.10

The company shall undertake CSR activities and all relevant measures for improving the social economic conditions of the surrounding area.

Compliance:

Please refer compliance under condition no.20 above.

Condition No.11

The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

Compliance:

Industry has undertaken from time to time eco-development programmes like tree plantation, awareness programmes for local farmers, donations for gram festival ,chief mentor funds,land development, road repairing expenses etc. in nearby areas.

Condition No.12

A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the environmental management and monitoring functions.

Compliance:

Environment management cell

Sr. No	Description	Number Of Working Person
1	Managing Director	Jadhav.S.B
2	General Manager	Kotkar K.C
3	Chief Chemist	Kumbhar N.M
5	Lab Incharge	Jale V.J
6	Fire Safety Incharge	Jadhav V.S

Condition No. 13

The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forest as well as 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.

Compliance:

Please refer compliance under condition no.9 above.

Condition No.14

A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representation, if any, were received while processing the proposal.

Compliance:

Copy of Clearance letter is submitted to concerned Panchayat. Refer Acknowledgement copy in **Annexure - XIV**

Condition No.15

The project proponent shall also submit six monthly report on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copy as well as by e-mail) to the respective Zonal Office of CPCB and concerned SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

Compliance:

Six monthly compliance reports is now being submitted for period for April 18 to September 18. Henceforth, regular six monthly reports shall be submitted.

Condition No.16

The environmental statement for each financial year ending 31st March in the 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 by e-mail.

Compliance:

The environmental statement for each financial year ending 31st March in Form-V is being submitted to State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, and amended subsequently. Online application of same are attached at **Annexure - XV**

Condition No.17

The project proponent shall inform the public that the project has been accorded environment 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.

Compliance:

The advertisement of grant of EC is submitted in sanchar newspaper dated 17.03.2019. Refer **Annexure-XVI** for details.

Condition No.18

The project authorities shall inform the regional office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project

Compliance:

The date of financial closure in connection with the Industrial Project is 31st March.

Annexure – I

Screen Shot of website

Website Home > Reports > Latest news > MAHARASHTRA POLLUTION CONTROL BOARD

MAHARASHTRA POLLUTION CONTROL BOARD

MAHARASHTRA POLLUTION CONTROL BOARD

Latest News

MAHARASHTRA POLLUTION CONTROL BOARD

MAHARASHTRA POLLUTION CONTROL BOARD
(Images/MAHARASHTRAPOLLUTIONCONTROLBOARD.p)

20/03/2019

Contact Form

Name

Email

Phone

You are here: [Home](#) / [Reports](#) / [Latest News](#) / MPCB1 -MOLASSE BASED DISTILLERY 30 KLPD

MPCB1 -MOLASSE BASED DISTILLERY 30 KLPD

MPCB1 -MOLASSE BASED DISTILLERY 30 KLPD

Latest News

MAHARASHTRA POLLUTION CONTROL BOARD

MAHARASHTRA POLLUTION CONTROL BOARD
(images/MAHARASHTRAPOLLUTIONCONTROLBOARD.jpg)

[View More](#)

Contact Form

Name:

Email:

Phone:

Annexure – II

Pucca Approach Road

कारखाना/आसवनी रस्ता परिसर



Annexure – III

Water Permission

क्र. ६ प्रति,
अधीक्षक अभियंता व प्रशासक,
लामक्षेत्र विकास प्राधिकरण,
सोलापूर.

विषय:-नियोजित जकराया शुगर,लि.वटवटे,ता.मोहोळ,जि.सोलापूर,या कारखान्या साठी
भीमा नदी बडापूर बंधारा उद्भवतातून पाणी परवाना मिळणे बाबत.

संदर्भ:-अधीक्षक अभियंता व प्रशासक, लामक्षेत्र विकास प्राधिकरण,सोलापूर, यांचे पत्र
जा.क्र.लाक्षेविमा/प्रशा-५/७०८४,दि.०८.१०.२००८.

उपरोक्त संदर्भ पत्राने अधीक्षक अभियंता व प्रशासक, लामक्षेत्र विकास प्राधिकरण,सोलापूर, यांनी
सादर केलेल्या, नियोजित जकराया शुगर,लि.वटवटे,ता.मोहोळ,जि.सोलापूर, या कारखान्यास भीमा
नदी बडापूर बंधारा व.प.बंधारा) उचल पाणी परवाना देण्यास. खालील प्रमाणे मंजूरी देण्यांत येत आहे.

१०५६८

१२/६ KGV

अ. क्र.	पाणी वापराचा तपशील	निव्वळ वापर (व.ल.घ.मी.)	रूट (व.ल.घ.मी.)	एकूण वार्षिक पाणी मंजूरी (व.ल.घ.मी.)
१	नियोजित जकराया शुगर,लि. वटवटे,ता.मोहोळ,जि.सोलापूर	०.१८२	०.०१८	०.२००

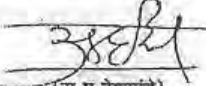
२/- प्रस्तावित पाणी मंजूरीमुळे प्रकल्पाचे सिंचन क्षमतेमध्ये ८४.६५ हेक्टर क्षेत्राची कपात होते.

३/- सादरची मान्यता खालील अटी व शर्तीनुसार देण्यात येत आहे.

अटी व शर्ती :-

- अर्जदार संस्था स्वखर्चाने संबंधित योजना कार्यान्वित करेल.
- योजनेचे कामास प्रत्यक्ष सुरुवात करण्यापूर्वी जलसंपदा विभागाचे संबंधित कार्यकारी अभियंताचे यंत्रणेवर शासन परिपत्रक क्र. विपापु-१००१/(७१३/२००१)/सि.व्य.(घो), दि. १८-९-२००२ सोबतच्या विहित गनुष्यानुसार करारनामा करावा लागेल. करारनामा केल्यानंतरच पाणी परवाना मंजूरी कार्यान्वित होईल.
- जलसंपदा विभागाने वेळोवेळी ठरवून दिलेल्या पाणीपट्टीच्या दराने पाणी पुरवठ्याचीच आकारणी केली जाईल, आणि विहित मुदतीत ही पाणीपट्टी आकारणी अर्जदार संस्थेने जलसंपदा विभागाच्या संबंधित कार्यालयामध्ये भरावी लागेल. पाणीपट्टीची आकारणी ही एकूण पाणी वापरावर करण्यात येईल. एकूण पाणी वापरात प्रत्यक्ष पाणी वापर, वाष्पीभवन व्यत्याचा अंतर्भाव राहिल.
- योजनेचे वापरलेल्या पाण्यातील काही भाग वापरानंतर दूषित स्वरूपात जलाशयात/कालव्यात/नदीत सोडले न जाण्याची व्यवस्था अर्जदार स्वखर्चाने करेल व त्याबाबत अर्जदार पूर्णतः जबाबदार राहिल. अशा प्रकारे वापरलेल्या पाण्याची शुद्धीकरण व्यवस्था अर्जदार संस्थेने स्वखर्चाने करावी लागेल व त्याची विल्हेवाट लावण्याचे संदर्भात महाराष्ट्र जलप्रदूषण मंडळाचे "मा हरकत प्रमाणपत्र" करारनामा करण्यापूर्वी सादर करावे लागेल.
- पाणी पुरवठ्याचे तसेच योजनेच्या बांधकामाचे संस्थात जलसंपदा विभागाचे प्रचलित नियम तसेच जलसंपदा विभागाने वेळोवेळी मंजूर केलेले नियम व अटी अर्जदार संस्थेवर बंधनकारक राहतील.
- ही मंजूरी म्हणजे पाणी पुरवठ्याची हमी नव्हे. नैसर्गिक किंवा इतर काही अपरिहार्य कारणांमुळे जलाशयात पाणी कमी पडल्यास मंजूर पाणी पुरवठ्याबाबत जलसंपदा विभाग जबाबदार राहणार नाही. कमी पाणी उपलब्धतेच्या कपात त्या वर्षीपुरती मंजूर पाणी पुरवठ्यात कपात करण्याचा अधिकार जलसंपदा विभागाच्या कार्यकारी अभियंतांना राहिल, परिणामी कोणत्याही प्रकारच्या नुकसानीची जबाबदारी जलसंपदा विभागावर राहणार नाही.
- जलाशयातील पाण्याच्या दर्जा/गुणवत्तेबाबत जलसंपदा विभाग जबाबदार राहणार नाही व त्यास जबाबदारही घरात घेणार नाही.

८. पाणी जलाशयागापून संस्थेच्या खर्चाने थेट उचलावे लागेल. जलाशयाचे निम्न पातळी तलाकापर्यंत पाणी जंकोलमध्ये घेण्याची व्यवस्था करावी लागेल व या आराखड्यास जलसंपदा विभागाच्या कार्यकारी अभियंता यांची बांधकामापुरवी पूर्वसहगती घ्यावी लागेल.
९. फेब्रुवारी नंतर बंधा-यात पाणीसाठा राहणार नाही, त्यामुळे त्यानंतर ५ महिने पुरेल एवढा पाणीसाठा संस्थेने स्वखर्चाने साठवण तलावात करणे बंधनकारक राहिल.
१०. जलमापन मीटर वस्तवित्वाशिवाय पाणी पुरवठा वारण्यात येणार नाही. पिण्यासाठी व औद्योगिक वापरासाठी स्वतंत्र मिटर वसविणे बंधनकारक राहिल.
११. जलमापनाची व जलमापन मीटर व्यवस्था संस्थेस स्वखर्चाने करावी लागेल व ती व्यवस्था वारंवार तपासण्याचा अधिकार जलसंपदा विभागास राहिल, ह्या व्यवस्थेवर आधारित पाणी वापराचा दैनंदिन अभिलेख संस्थेने ठेवावा हा अभिलेख जलसंपदा विभागाचे अधिकारी केव्हाही पाहू शकतील. हा अभिलेख मीटर ठेवल्याचे पिरून न आल्यास प्रत्यक्षात केलेल्या पाणी वापरासंबंधीचा अंदाज जलसंपदा विभागाचे कार्यकारी अभियंता ठरवतील व हा अंदाज अंतिम राहिल व संस्थेवर तो बंधनकारक राहिल.
१२. पाणीपट्टीची वसुली नविष्य काळात प्रभावीपणे होण्याचे दृष्टीने जलसंपदा विभाग व संबंधित संस्था यांचेमध्ये द्विपक्षीय/त्रिपक्षीय करार करण्यात यावा.
१३. पाणीपट्टी वेळेत भरली नाही तर पाणी पुरवठा खंडीत करण्याचा अधिकार जलसंपदा विभागास राहिल.
१४. संस्थेने २ महिन्यांच्या पाणीपट्टी इतकी अनामत रक्कम जलसंपदा विभागाकडे आगाऊ मरणे आवश्यक आहे. संस्थेने महिन्याचा (१९९० च्या शासन निर्णयानुसार) साठा (storage) स्वखर्चाने करावा.
१५. संस्थेचे आदेश अंशरनामा, झाल्याप्रमाणे अंमलात येतील. करारनामा झाल्याप्रमाणे १ वर्षांच्या अंतर्तत योजना कार्यान्वित व झाल्यास यापुढे मंजूर परिमाणाच्या ९० टक्के परिमाणाची आकारणी केली जाईल. ती पाणीपट्टी ६ महिन्या न भरल्यास, भरवाना आपोआपच रद्द होईल.


(स.म.देशपांडे)

स्वळ प्रत मु.अ.(वि.प्र.) यांना मान्य.

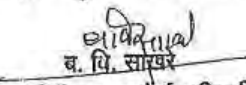
सहाय्यक मुख्य अभियंता (वि.प्र.)
जलसंपदा विभाग, पुणे-४११ ०११.

- प्रत-मा.कार्यकारी संचालक, महाराष्ट्र कृषिा खोरे विकास महामंडळ, पुणे यांना माहितीसाठी सविनय सादर.
- ✓ प्रत-अधीक्षक अभियंता व प्रशासक, लाभक्षेत्र विकास प्राधिकरण, सोलापूर, यांना माहितीसाठी व पुढील कार्यवाहीसाठी.
१. शासन परिपत्रक/शासन निर्णयाद्वारे तसेच महामंडळाने वेळोवेळी दिलेल्या सूचनांनुसार उचित कार्यवाही करण्यात यावी.
 २. करारनामा करणेपूर्वी संस्थेकडून महाराष्ट्र प्रवृत्त नियंत्रण मंडळाचे मुदत वाढीचे व अटी व शर्ती यामधील अनुक्रमांक ४ प्रमाणे प्रमाणपत्र मिळवून ते करारनाम्यास लावावे.
 ३. करारनाम्याचे तूतनीकरण करणेपूर्वी जलसंपदा विभागाच्या उपरोक्त अटी व शर्तीचे काटेकोरपणे पालन होणे महत्वाचे आहे.
 ४. पाणी भरवाने हे जलसंपदा विभागास महसूल मिळवून देण्याचे साधन आहे. त्यामुळे महसूल वसुलीवात काटेकोरपणे व सतर्क राहणे अत्यंत महत्वाचे आहे.
 ५. शासनाने वेळोवेळी प्रकृत केलेल्या परिपत्रके तसेच शासन निर्णयातील अटी व शर्तीचे कसोशिने पालन करण्यात यावे.
 ६. संस्थेच्या पिण्यासाठी, औद्योगिक व शैतीसाठीच्या मागणी नुसार रादरचे झापन प्रकृत करण्यात आले आहे.

जा. क्र. प्रशा-३/७६७१/१०८ लाभक्षेत्र विकास प्राधिकरण,
सोलापूर दि.२१/११/०८

✓ प्रत - कार्याकारी अभियंता भीमा विकास विभाग क्र.२, सोलापूर यांना
माहिती व पुढील कार्यवाहीसाठी.
२१- वर नमूद केलेल्या अटी व शर्तीनुसार तसेच शासन परिपत्रक/
निर्णय व महामंडळाचे वेळोवेळी दिलेल्या सूचनांनुसार उचित कार्यवाही करणे.

* ESP-2-E. Prescribed Amt DE's Requirement of water_Durgam.doc


व. वि. सावर
उप अभियंता व जनसंपर्क अधिकारी
लाभक्षेत्र विकास प्राधिकरण,
सोलापूर. (२०११-१२)

2

जा.क्र.भौ.ना.वे.प्र.शा.५।६५३५
भोमा विकास विभाग क्र.२, सोलापूर
०५ डिसेंबर २००८

✓ प्रतः:- मा. चेश्वरमन् मिथेमोर्जिन जकराया गुगर लि. वरवे ता.
मोहोळ यांना माहितीस्वरुप व चुकीळ कार्यवाहीस्वरुप.
५- कोळतये जापण मधीळ भरी व झर्तीचे अवलोकन खावे
व भरी व झर्तीनुसार करारनामा करण्याची कार्यवाही करावी.

प्रतः:- कलाध्यक्ष अधिकार्या (प्रेगी१) भोमा पायबंधारे उपविभाग,
मोहोळी यांना योग्य त्या कार्यवाहीस्वरुप.
५- कोळतये जापण मधीळ भरी व झर्तीचे आर्थिक
बाहून सेवंधीन वसंधेकडून करारनामा कुठला
घेण्याबाबत योग्य त्या कार्यवाहीस्वरुप

कोळतये:- जापण जा.क्र.भु.भ. (वि.प्र.)/३अ-३
प्रशा.जकराया गुगर/६५५६
दि. १७/११/०८

सहाय्य प्रतीकर क्र. ३ सोपी द्यावारी असे.

Journal
उपकार्यकारी अधिकार्या
भोमा विकास विभाग क्र. २
सोलापूर.
प्रशा.५

Annexure – IV

RCC Lagoons

Impervious Pucca Lagoon for Spent Wash Storage



Annexure – V
Photographs of drains.

Storm Water Drain Facility



Annexure – VI

**Piezometer and compost yard, NOC from
CGWA**

Piezometer Arrangement for Well Near Compost Yard



Compost Yard





Chairman
Adv. Birappa B. Jadhav (B.Sc. Agri., LL.B.)

Managing Director
Sachin B. Jadhav (B.Sc. Agri., M.B.A.)

JAKRAYA SUGAR LTD.

Regd. Office :

Chelekar Gaili, Mangalwadha, Dist. Solapur - 413 305.

Phone : 02188 - 221173 Fax : 02188 - 220523

E-mail : jakraya@rediffmail.com

Factory : At. Watwate, Tal - Mohol, Dist. Solapur - 413 253

Phone : 02188 - 259498, 259499, Fax : 02188 - 259497

Ref. No. JSL/mfg/1009/2016-17

Date : 13/10/2016

To
Member of Secretary,
Maharashtra Pollution Control Board,
Kalpataru Point 4th Opp. Cine Planet, Near Sion Circle,
Sion (E), Mumbai-40022.

Sub-Ground Water extraction NOC from Central Ground Water Authority New Delhi.

Ref:-Your letter No.MPCB/SROS/TB/5117/16 dtd. 30 July 2016.

Respected Sir,

With reference to above cited subject we have to state that we do not extract water from ground for our Sugar, Co-Gen&Distillery unit or any other purposes. This is for your kind information.

Thanking You.



Yours faithfully,


Managing Director

CC:

- 1) Joint Director, M.P.C Board, Mumbai,
- 2) The Regional Officer, M.P.C Board, Pune,
- 3) Law Officer, M.P.C Board, Mumbai,

Annexure – VII

Fire hydrant equipments.

Safety Arrangement at JSL



Annexure – VIII

Health check-up report

Annexure – IX

Parking

Dedicated Parking Facility



Annexure – X

Green Belt

Green Belt Development at JSL



Green Belt Development at JSL



Jakraya Sugar Limited, Solapur - Tree plantation details

Sr. No.	Tree Name	Tree Numbers
1	Tamarind tree	38
2	Banyan tree	1400
3	Ficus religiosa	1000
4	Bottle Palm	75
5	Postal Palm	57
6	Ficus	57
7	Nim Plant	41
8	Silver Oak	80
9	Jatropha	0
10	Gauroi Chauri	45
11	Mango	38
	Total	2831
Distillery Plant		
1	Tamarind tree	0
2	Banyan tree	700
3	Ficus religiosa	700
4	Bottle Palm	0
5	Postal Palm	80
6	Ficus	57
7	Nim Plant	12
8	Silver Oak	80
9	Jatropha	74
10	Gauroi Chauri	45
11	Mango	3
12	kaneri	68
	Total	1819
Grand Total		4650

Annexure – XI

Public Hearing

Minutes of Environmental Public Hearing

An environmental public hearing of M/s. Jakaraya Sugar Ltd., At. Vatavade, Po. Inchagaon, Tal. Mohol, Dist. Solapur for their proposed expansion of sugar unit & establishment of 30 KLPD production capacity distillery project was conducted on 24/02/2014 at 11.30 AM at factory site. Following panel members were present for hearing.

- 1) Mr. Vijaysingh Deshmukh - Residence Deputy Collector, Solapur & Chairman.
- 2) Mr. Herambprasad Gandhe - Sub Regional Officer, Pimpri Chinchwad & Member.
- 3) Mr. Devidas Koparkar - Sub Regional Officer, Solapur & Convener

Initially Mr. Devidas Koparkar, Convener of the Public Hearing welcomed the all & informed that the project management has proposed expansion of existing sugar plant from 2500 TPD to 3500 TPD & installation of new 30 KLPD distillery project. The project management has applied to the MPC Board for conducting environmental public hearing of their project for obtaining environmental clearance from MoEF, New Delhi. As per the notification dated 14th September, 2006 of MoEF Board has published the Public Notice in Marathi & English daily news papers about the environmental public hearing also the draft EIA Report & Executive Summary Report of the project were kept in notified offices for public study. The public was appealed to submit their objections/suggestions in writing. With the permission of Chairman he then requested the project representative to explain in brief about the project.

The technical consultant of the project with the help of audio visual projector explained in brief about the project. He explained about expansion sugar project & new distillery project. The benefits of project, expected pollution potential, its control measures, tree plantation & corporate social schemes implemented by project management were briefly explained.

After the presentation the member of public hearing panel requested the public to ask for their doubts/suggestions etc. A brief report about questions asked by public & answers given by the project representative is as below -

1) Mr. Madhav Bhagawan Gund, At. Yenki, Tal. Mohol, Dist. Solapur – To what extent noise pollution will be created due to the project & how it will affect in a radius of ten Km?

Project representative informed that the noise level from existing project is within specified limit. There will not be any nuisance due to project expansion.

2) Mr. Subhash Jagannath Patil, Vadapur, Tal. Mohol, Dist. Solapur – The factory site is far away from residential area also the site is at higher elevation. There is no any nuisance from the existing project. Bhima river is far away from the project site. There will be employment opportunities due to the project hence this project must be permitted at the earliest.

3) Mr. Jayavant Dasharath Jagtap, At. Sohale, Tal. Mohol, Dist. Solapur – Whether the manure from project will be given to farmers?

Project representative informed that the manure will be partly utilized for the plantation of factory premises & remaining will be given to farmers at subsidized price.

4) Mr. Rajendra Manik Patil, At. Arabali, Tal. Mohol, Dist. Solapur – What will be the extent of water pollution & its impact due to the project?

Project representative informed that for treatment of effluent factory has installed effluent treatment plant. Treated effluent is used for gardening within premises. Compost will be prepared from the spent wash of distillery project. Thus there will not be any sort of water pollution due to the project.

5) Mr. Bhanudas Namdeo Gavade, At. Vatavade, Tal. Mohol, Dist. Solapur – Whether higher prices will be given to sugarcane crop due to project expansion?

Project representative informed that alcohol will be prepared from the molasses which will increase the profit of project & ultimately this will result in increased prices to sugarcane crop.

6) Mr. Prabhakar Bhimrao Patil, At. Miri, Tal. Mohol, Dist. Solapur – Whether there will be air pollution due to the project?

Project representative informed that no new machinery will be installed. The level of pollutant due to existing project is within prescribed limit. There will not be any air pollution due to the project.

7) Mr. Mahadeo Vitthal Jagtap, At. Sohale, Tal. Mohol, Dist. Solapur – Whether the share holders will get the manure at subsidized rate?

Project representative informed that manure will be distributed at subsidized price.

8) Mr. Siddheshwar Dadasaheb Varade, At. Inchgaon, Tal. Mohol, Dist. Solapur – How much employment will be created due to the new project?

Project representative informed that employment opportunity to about 110 to 150 people from the surrounding area will be created.

9) Mr. Laxman Gulab Phadatare, At. Jamgaon Kd., Tal. Mohol, Dist. Solapur – The project is good & it will be better if employment opportunity will be created for surrounding youths. He expressed the support to project on behalf of local farmers & factory share holders.

10) Mr. Raghu Vitthal Waghmare, Grampanchayat Member, At. Yenki, Tal. Mohol, Dist. Solapur – The factory is running in good way. Tree plantation is done at factory site. People should support for good activity. The project must be completed.

11) Mr. Gajendra Shankar Waghmare, At. Wagholiwadi, Tal. Mohol, Dist. Solapur – My agriculture land is about 1.5 Km away from the project site. It will be good if distillery project is installed. Employment opportunities will be created due to the project. He expressed support to the project.

12) Mr. Subhash Patil – He expressed support to the project on behalf of local farmers & factory share holders. He expected that permission should be granted to the project at the earliest.

Finally as nobody ask any further question the Mr. Vijaysingh Deshmukh, Resident Deputy Collector & Chairman of the Public Hearing Panel informed that all the people are supporting to the project. Detail minutes of the public hearing will be prepared & send to MoEF. Finally the public hearing was concluded with vote of thanks.



(Devidas Koparkar)
Sub Regional Officer, Solapur &
Convenor



(Herambprasad Gandhe)
Sub Regional Officer, Pimpri Chinchwad
& Member



Vijaysingh Deshmukh
Residence Deputy Collector, Solapur &
Chairman

जनसुनावणीचे इतिवृत्त

मे. जकराया शुगर लिमिटेड, वटवडे, पो. इंचगांव, ता. मोहोळ, जि. सोलापूर यांच्या कारखान्याची गाळप क्षमता प्रतिदिन २५०० मे.टनावरून प्रतिदिन ३५०० मे.टन वाढविण्यासाठी तसेच प्रस्तावित ३० कि.लि. प्रतिदिन आसवनी उत्पादन प्रकल्प उभारण्यासाठीच्या प्रकल्पाची पर्यावरणविषयक जाहिर लोकसुनावणी कारखानास्थळाजवळ सोमवार दि.२४/०२/२०१४ रोजी सकाळी ठिका ११.३० वाजता महाराष्ट्र प्रदूषण नियंत्रण मंडळ यांचे वतीने आयोजित केली होती.

सदर सुनावणीसाठी खालील जनसुनावणी सदस्य उपस्थित होते.

- १) श्री.विजयसिंह देशमुख :- निवारी उप-जिल्हाधिकारी, सोलापूर तथा अध्यक्ष
- २) श्री.हेरंबप्रसाद गंधे :- उप प्रादेशिक अधिकारी, मद्रनि मंडळ, पिंपरी चिंचवड तथा सदस्य
- ३) श्री.देवीदास कोपरकर :- उप-प्रादेशिक अधिकारी सोलापूर तथा आयोजक.

सुरुवातीला कार्यक्रमाचे आयोजक श्री. देवीदास प्र. कोपरकर, उप-प्रादेशिक अधिकारी सोलापूर, यांनी सर्वांचे हादिक स्वागत केले व सांगितले कि सदर कारखान्याने ऊस गाळप क्षमता प्रतिदिन २५०० मे.टनावरून प्रतिदिन ३५०० मे.टन वाढविण्यासाठी तसेच प्रस्तावित ३० कि.लि. प्रतिदिन आसवनी उत्पादन प्रकल्प उभारण्यासाठीच्या प्रकल्पाला पर्यावरण व वने मंत्रालय, नवी दिल्ली यांचेकडून पर्यावरण विषयक अनुमती मिळणेकामी प्रकल्पाच्या जनसुनावणीसाठी मंडळाकडे अर्ज केलेला आहे. पर्यावरण व वने मंत्रालय, नवी दिल्ली यांच्या १४ सप्टेंबर, २००६ रोजीच्या अधिसूचनेनुसार जनसुनावणीची जाहिर सुचना मराठी व इंग्रजी वृत्तपत्रात प्रसिद्ध करण्यात आलेली होती तसेच प्रकल्पाचा पर्यावरण आघात मुल्यांकन अहवाल तसेच कार्यकारी सारांश अहवाल अधिसूचनेमधिल तरतुदीनुसार संबंधीत कार्यालयात लोक अभ्यासाठी ठेवण्यात आलेले होते. लोकांना प्रकल्पाबाबतचे आक्षेप तसेच सुचना लेखी

स्वरूपात पाठवण्याचे आवाहन करण्यात आलेले होते. यानंतर त्यांनी अध्यक्षांच्या परवानगीने प्रकल्प प्रतिनिधींना प्रकल्पाबाबत माहिती उपस्थितांना सांगण्यास सांगितले.

प्रकल्पाचे तांत्रिक सल्लागार यांनी प्रकल्पाबाबतची माहिती दृक्साध्य प्रोजेक्टरच्या सहाय्याने सांगितली. त्यांनी सध्याच्या साखर कारखान्याच्या वाढीव क्षमतेबाबतची तसेच प्रस्तावित ३० कि.लि. प्रतिदिन आसवनी उत्पादन प्रकल्पाबाबतची माहिती सांगितली. नविन प्रकल्पामुळे होणारे फायदे, प्रकल्पामधून होणारे संभाव्य प्रदूषण व त्याबाबतच्या उपाययोजना, वृक्षारोपन, प्रकल्प धारकाकडून राबविण्यात येत असलेल्या सामाजिक योजना इत्यादीबाबत विस्ताराने त्यांनी माहिती दिली.

या सादरीकरणानंतर जनसुनावणीचे सदस्य श्री. हेरंबप्रसाद गंधे यांनी उपस्थितांना त्यांच्या प्रकल्पाबाबतच्या शंका वा आक्षेप असल्यास त्या विचारण्यास सांगितले. लोकांनी विचारलेले प्रश्न व त्यास प्रकल्प प्रतिनिधींनी दिलेली उत्तरे याबाबतची सविस्तर माहिती पुढीलप्रमाणे आहे.

१) श्री.माधव भगवान गुंड रा.येणकी, ता.मोहोळ, जि.सोलापूर - प्रकल्पामुळे ध्वनी प्रदूषण किती प्रमाणात होईल व याचा १० किमी परिसरात किती त्रास होईल?

प्रकल्प प्रतिनिधीने सांगितले कि सध्याची ध्वनी पातळी ही विहित मर्यादित आहे व प्रकल्प विस्तारीकरणामुळे आवाजाचा त्रास होणार नाही.

२) श्री.सुभाष जगन्नाथ पाटील, रा.बडापूर, ता.मोहोळ, जि.सोलापूर - कारखाना लोक वस्तीपासून लांब आहे तसेच तो उंचावर आहे. सध्याच्या प्रकल्पामुळे त्रास नाही. मिना नदी वर अंतरावर आहे. कारखान्यामुळे लोकांना रोजगाराच्या संधी उपलब्ध होणार असल्यामुळे लवकरात लवकरात परवानगी मिळावी.

३) श्री. जयवंत दशरथ जगताप, रा.सोहाळे, ता.मोहोळ, जि.सोलापूर - कारखान्यातून निर्माण होणारे खत शेतक-यांना मिळेल का?

कारखान्याच्या प्रतिनिधिने सांगितले कि खत काही प्रमाणात कारखान्यातील झाडांना वापरले जाईल व अतिरिक्त खत शेतक-यांना अल्प दरात दिले जाईल.

४) श्री.राजेंद्र माणिक पाटील, रा.अरबळी, ता.मोहोळ, जि.सोलापूर - प्रकल्पामुळे जलप्रदूषण किती प्रमाणात होईल व त्याचे काय परिणाम होतील?

कारखाना प्रतिनिधिने सांगितले कि कारखान्याने सांडपाणी प्रक्रिया संयंत्रणा उभारलेली आहे व प्रक्रियाकृत सांडपाणी कारखाना आवारात वापरले जाते. आसवणी प्रकल्पाच्या स्पॅटवॉश पासून खत निर्मिती केली जाईल. कारखान्यामुळे जलप्रदूषण होणार नाही.

५) श्री. भानुदास नागदेव गावडे, रा.वटवटे, ता.मोहोळ, जि.सोलापूर - प्रकल्पाच्या विस्तारिकरणामुळे ऊस दरात वाढ होईल का?

कारखाना प्रतिनिधिने सांगितले कि मळीपासून अल्कोहोल निर्मिती केली जाईल याचा फायदा कारखान्याला होईल. त्यामुळे उसदरात वाढ होईल.

६) श्री. प्रभाकर भिमराव पाटील, रा.मिरी, ता.मोहोळ, जि.सोलापूर - प्रकल्पामुळे हवेचे प्रदूषण होईल का?

कारखाना प्रतिनिधिने सांगितले कि नविन मशिनरी उभारणार नाही. सधाच्या प्रकल्पामुळे होणारे प्रदूषण मिहित मर्यादेत आहे. प्रकल्पामुळे परिसरात हवेचे प्रदूषण होणार नाही.

७) श्री.महादेव विठ्ठल जगताप, रा.सोहाळे, ता.मोहोळ, जि.सोलापूर - कारखान्यामधील खत सभासदांना योग्य दरात मिळेल का?

कारखाना प्रतिनिधिने सांगितले कि खत विक्री सुलभ दरात केली जाईल.

८) श्री.शिध्देश्वर दादासाहेब वराडे, रा.इंचगाव, ता.मोहोळ, जि.सोलापूर - नविन प्रकल्पामुळे स्थानिकांना रोजगार निर्मिती किती प्रमाणात होईल?

कारखाना प्रतिनिधिने सांगितले कि जवळपासच्या जवळपास ११० ते १५० लोकांना रोजगार मिळेल.

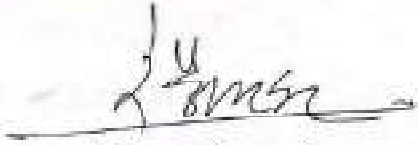
९) श्री.लक्ष्मण गुलाब फडतरे, रा.जागगांव खु ता. मोहोळ, जि.सोलापूर - प्रकल्प चांगला आहे, यामुळे परिसरातील तरुणांना नोकरी मिळाली तर फायदा होईल. त्यांनी परिसरातील शेतकरी व सभासदांच्या वतीने प्रकल्पाला पाठींबा व्यक्त केला.

१०) श्री. रघु विठ्ठल बाघमारे, ग्रा.पं.सदस्य, रा.येणकी, ता.मोहोळ, जि.सोलापूर - कारखाना चांगल्याप्रकारे सुरु आहे. कारखान्यात झाडे लावलेली आहेत. सर्वांनी चांगल्या कामाला साथ द्यावी. प्रकल्प झाला पाहिजे.

११) श्री.गजेंद्र शंकर बाघमारे, रा.वाघोलीवाडी ता.मोहोळ, जि.सोलापूर - माझी शेतजमिन प्रकल्पापासून १.५ किमी अंतरावर आहे. कारखान्याने डिस्टीलरी उभारली तर चांगले होईल, प्रकल्पामुळे रोजगार मिळेल. त्यांनी प्रकल्पाला पाठींबा दिला.

१२) श्री. सुभाष पाटील - शेतकरी व समासद या सर्वांचा प्रकल्पाला पार्टीचा आहे त्यामुळे शासनाने प्रकल्पाला परवानगी द्यावी.

यानंतर उपस्थितांपैकी कोणीही प्रश्न उपस्थित न केल्यामुळे शेवटी जनसुनावणीचे अध्यक्ष तथा निवासी उप जिल्हाधिकारी सोलापूर श्री.विजयसिंह देशमुख यांनी उपस्थितांना सांगितले कि लोकांचा प्रकल्प विस्तारीकरणास पार्टीचा आहे त्यामुळे जनसुनावणीचे सविस्तर इतिवृत्त तयार करून ते पर्यावरण व वने मंत्रालयास पाठविले जाईल. शेवटी सर्वांचे आभार मानून जनसुनावणी संपल्याचे जाहिर करण्यात आले.



(देवीदास कोपरकर)
उप-प्रादेशिक अधिकारी सोलापूर तथा
आयोजक



(हेरंबप्रसाद गंधे)
उप प्रादेशिक अधिकारी, मप्रनि मंडळ, गिंपरी
चिंचवड तथा सदस्य



(विजयसिंह देशमुख)
निवासी उप-जिल्हाधिकारी, सोलापूर तथा अध्यक्ष

पर्यावरणीय जाहिर लोकसुनावणी-

मे. जोगराया अहंगर त.मौ. वटवटे
सा. मोखेव जिल्हा - सोलापूर.



मराठवाडीय जिल्हा लोकसुनावणी
मे. जयराया शुगर लि. मा - वरवटे. ता. सोरोव.
जिल्हा - सोलापूर



पर्यावरणीय जाति लोकसुभाषी
मे. जगन्नाथ शर्मा जी. मा. वरवरे.
सा. मोहोळ, जि. सा. - सोलापूर



पर्यावर्तीय जालिह लोमडुनावली

मे. जामराया खड्गार लि.

मं. - वखटे, मां. मोखळ, जिळ्य - धोलाख



पर्यावरणीय जाहीर लोकसुनावणी -
 मं. अजगराया शुगर लि, मॉ - वरदरे
 सा - भोखेळ, जि - अकोलापूर



Annexure – XII

CER Activities

**JAKRAYA SUGAR LTD. WATWATE TAL MOHOL DIST SOLAPUR
CER ACTIVITY**

Sr. No	Work Done	Date	Amount
1	Concrete bandhara build by Sugar Factory at Yenki near water supply station	May 2013	284682/-
2	Water Stream deepening of Yenki bandara near water supply station	June 2013	489416/-
3	Drinking Water Supply to Yenaki village in summer Season	May 2014	160500/-
4	Seminar on Todays Employee & his Psychology, Key speaker Mr. Kashinath Bhatkunki sir	24 September 2014	10000/-
5	Break fast & Primery Treatment Camp arranged for Shri Gajanan Maharaj Palkhi Varkari at Inchgaon Dist Solapur	19 August 2015	10350/-
6	Vaccination Camp for Pet animals	2 January 2016	
7	Watwate To Yenki road repaired by Sugar Factory	May 2016	911169/-
8	School stationery distributed in Late Shankarrao Chavan BC Hostel Wagholi by Sugar Factory Dist Solapur	18 June 2016	8600/-
9	Maharajaswa Campaign arranged for all peoples at Wagholi Dist Solapur	18 June 2016	8500/-
10	School stationery distributed in Late Shankarrao Chavan BC Hostel Wagholi	18 June 2016	9560/-
11	Maharajaswa Campaign under Satisfaction scheme programme arranged at Wagholi Dist Solapur	18 June 2016	9241/-
12	School stationery distributed in Z. P.Primery School Wagholi Dist Solapur	18 June 2016	15700/-
13	Seminar on Stress management, key speaker Mr. Suhas Gudhate(Manshakti Centre Lonavala)	30 July 2016	15000/-
14	Seminar on Personality development and addiction, key speaker Prof.Mr.Tukaram Maske	8 December 2016	5000/-
15	Tree Plantation done by Sugar Factory Dist Solapur	October 2016	48790/-
16	Bridge built by Sugar Factory on Watwate Yenki Road	August 2017	798200/-
17	Seminar on Organic Cane & Sugar Production arranged by sugar factory key speaker Mr.Danial Pollock(London)	26 August 2017	10000/-
18	Seminar on Life Management & Strength of Mind key speaker Dr.Pankaj Shukla,Khushbu Nevra, Snehal Fatote	14 October 2017	10000/-
19	Blanket distribution for needy farmers & cane harvesting workers	18 December 2017	20300/-
20	Road repair of Watwate to Jamgaon done by	July 2017	187021/-

**JAKRAYA SUGAR LTD. WATWATE TAL MOHOL DIST SOLAPUR
CER ACTIVITY**

	Sugar Fctory		
21	Factory site to Miri road repaired by sugar Factory	July 2017	235060/-
22	School Stationary distributed in Aanganwadi School Watwate by sugar factory for children's	12 April 2018	4000/-
23	School Stationary distributed to Student in ZP primary School Watwate by sugar factory Dist Solapur	12 April 2018	10000/-
24	Wagholi to Kurul road repaired by Sugar Factory	May 2018	226150/-
25	Watwate to Vadapur road Repaired by sugar Factory	June 2018	68439/-
26	School Stationary distributed to Students in ZP primary School Miri by sugar factory Dist Solapur	18 October 2018	66268/-
27	Barricades Repair of Vadapur Bandara on Bhima River	November 2018	185260/-
28	Bridge abutment back filling of Vadapur to Siddhapur bridge	November 2018	545726/-
29	Repair of Vadapur Bandara done by sugar factory Dist Solapur	November 2018	100000/-
30	Seminar on Advanced Cane Farming at Kaveri Vishwa Mangal Karyalay Inchgaon key speaker Krushibhushan Shri Sanjivji Mane (Sangli)	26 August 2018	65861/-
31	Seminar arranged by Sugar Factory on Womens Empowerment At Mangalwedha Dist Solapur	18 December 2018	47500/-
32	Seminar arranged by Sugar Factory on Womens Empowerment At Kurul Dist Solapur	18 December 2018	41218/-
33	Seminar arranged by Sugar Factory on Womens Empowerment At kamati Dist Solapur	18 December 2018	34119/-
34	School stationary distributed to students of Z.P.Primary School Kurul by Sugar factory Dist Solapur	18 December 2018	21215/-
35	School stationary distributrd to students of Z.P.Primary School Kamti by Sugar factory Dist Solapur	18 December 2018	14912/-
36	Tree plant distributed by Sugar Factory At Kamti Dist Solapur	18 December 2018	14700/-
37	Tree plant distributed by Sugar Factory At Kurul Dist Solapur	18 December 2018	4480/-
38	Tree plant distributed by Sugar Factory At Mangalwedha Dist Solapur	18 December 2018	9700/-
39	Bandhara built by sugar factory at Miri Dist Solapur	March 2019	544560/-
40	Bandhara built by sugar factory at Arbali.Dist Solapur	March 2019	



कारखान्याच्या मार्फत शंकरराव चव्हान मागासवर्गीय वसतीग्रह
वाघोली येथील विद्यार्थ्यांना शालेय साहित्य वाटप दि १८ जुन
२०१६ .



जकराया साखर कारखान्याच्या वतीने व्रक्षारोपण मोहीम
राबविण्यात आली ऑक्टोबर २०१६



मौजे येणकी येथे सार्वजनिक पाणी पुरवठा विहीरी जवळील ओढ्यावर सिमेंट बंधारा बांधुन ओढ्याचे खोलीकरण करण्यात आले जुन २०१३ .



मौजे येणकी येथे सार्वजनिक पाणी पुरवठा विहीरी जवळील ओढ्यावर सिमेंट बंधारा बांधुन देण्यात आला .मे २०१३



येनकी गावाकरीता कारखान्या मार्फत उन्हाळ्यात टॅकरद्वारे
पिण्याच्या पाण्याचा पुरवठा मे २०१४



आजचा कामगार व त्याची मानसीकता या विषयावर प्रमुख वक्ते
प्रा.श्री. काशिनाथ भतकुनकी सर यांचे व्याख्यान व मार्गदर्शन कार्यक्रम
दि. २४ सप्टेंबर २०१४



वटवटे ते येणकी रस्ता दुरुस्तीचे काम कारखान्या मार्फत करण्यात आले . मे २०१६



कारखान्याच्या मार्फत पाळीव प्राण्यांना लसीकरण कॅम्प आयोजित करण्यात आला . दि .०२ .०१ .२०१६

Annexure – XIII
Monitoring Reports & Online Monitoring
System



ENVIRONMENTAL & SAFETY, Lab Approved by MoEF, New Delhi,
"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Desnanath Mangeshkar Hospital,
Pune 411 004. • Tel.: 020 - 25460023 25460033 • Fax : 020 - 25460203
• Email : hscenvironment@vsnl.net • www.hospl.co.in

AMBIENT AIR MONITORING ANALYSIS REPORT

CLIENT'S NAME & ADDRESS M/S Jakray Sugar Factory Ltd., G.No.71-74, A/P-Walwate Tal. Mohol,Dist-Solapur	REPORT NO	HS/LAB/AA/1561
	DATED	06/02/2016
	LAB REFERENCE NO	HS/LAB/AA/334
	DATE OF SAMPLING	28/01/2016
	DATE OF ANALYSIS	04/02/2016

RESULTS OF ANALYSIS

SR NO.	DESCRIPTION	UNIT	RESULT	NAAQS
01	TEST LOCATION		Near Main Gate	
02	TIME OF SAMPLING (00.00)	Hrs	13:00	
03	AMBIENT TEMPERATURE	Deg C	33.0	
04	DRY BULB TEMPERATURE	Deg C	32.0	
05	WET BULB TEMPERATURE	Deg C	23.0	
06	RELATIVE HUMIDITY	% RH	42	
07	SAMPLING DURATION	Min	60	
08	PM ₁₀	µg/M ³	86.31	100
09	SO ₂	µg/M ³	29.75	80
10	NO _x	µg/M ³	19.05	80

REMARK/OBSERVATIONS -

NAAQS – National Ambient Air Quality Standards

Monitoring results are well within the limits prescribed by NAAQS.

For HORIZON SERVICES



1-2

Lab Approved by MoEF, New Delhi, Lab NABL Accredited - Chemical Field.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Tel: 020 - 25460202, 25460203, 25460023, 25460033. • Email : kmm@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/1192
M/s Jakraya Sugar Ltd. A/P Watwate, Tal- Mohol, Dist- Solapur	DATED	03/12/2015
	LAB REFERENCE NO	HS/LAB/WA/0702
	DATE OF SAMPLING	26/11/2015
	DATE OF ANALYSIS	27/11/2015

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Influent water Sample	The Client	Untreated/ Treated	ETP

RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	
			Untreated	Treated
01	pH	---	4.94	7.02
02	Total Suspended Solids	mg/lit	88.00	98.00
03	Total Dissolved Solids	mg/lit	13338.00	1686.00
04	Chemical Oxygen Demand	mg/lit	32840.70	353.70
05	BOD 3 days at 27° C	mg/lit	13628.60	140.90
06	Chlorides as Cl	mg/lit	1157.00	289.30
07	Sulphates as SO ₄	mg/lit	980.00	505.00
08	Oil & Grease	mg/lit	214.00	NIL

For HORIZON SERVICES

M. N. N. N. N.
(LAB INCHARGE)

DISCLAIMER:

- Sample will be retained only for 15 days.
- Above results indicate to the parameters mentioned only.
- Liability limited till issue of test reports only.
- The test report shall not be produced for any legal identity or advertised without permission of lab.
- The effect of results relate only to the item tested.



132

Lab Approved by MoEF, New Delhi. Lab NABL Accredited - Chemical Field.

"Shree", K 3/4, S. No. 10, Erandwane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Tel.: 020 - 25460202, 25460203, 25460203, 25460053. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

ANALYSIS REPORT

F/LAB/04/01/17.12.2012

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/1375
M/s Jakraya Sugar Ltd. A/P Watwate, Tal- Mohol, Dist- Solapur	DATED	11/01/2016
	LAB REFERENCE NO	HS/LAB/WA/0800
	DATE OF SAMPLING	31/12/2015
	DATE OF ANALYSIS	01/01/2016

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Influent water Sample	The Client	Untreated/ Treated	---

RESULTS OF ANALYSIS

SR NO	DESCRIPTION	UNIT	RESULT	
			Untreated	Treated
01	pH	---	4.86	7.79
02	Total Suspended Solids	mg/lit	2440.00	56.00
03	Total Dissolved Solids	mg/lit	3428.00	1418.00
04	Chemical Oxygen Demand	mg/lit	10160.20	50.10
05	BOD 3 days at 27° C	mg/lit	4233.30	20.10
06	Chlorides as Cl	mg/lit	269.10	289.60
07	Sulphates as SO4	mg/lit	530.00	940.00
08	Oil & Grease	mg/lit	NIL	NIL

For HORIZON SERVICES

M. N. Argalake

(LAB INCHARGE)

DISCLAIMER

- Sample will be retained only for 15 days.
- Above results indicate only the parameters mentioned only.
- Liability limited till issue of test reports only.
- The test report shall not be produced for any legal identity or advertised without permission of lab.
- The effect of results relate only to the item tested.

Online Monitoring System



Annexure – XIV

**Acknowledgement copy submitted to
Panchayat**



Chairman
Adv. Birappa B. Jadhav (B.Sc. Agri.,LL.B.)

Managing Director
Sachin B. Jadhav (B.Sc. Agri.,M.B.A.)

JAKRAYA SUGAR LTD.

Regd. Office :
Chelekar Galli, Mangalwadha. Dist. Solapur - 413 305.
Phone : 02188 - 221173 Fax : 02188 - 220523
E-mail : jakraya@rediffmail.com

Factory : At. Watwate, Tal - Mohol, Dist. Solapur - 413 253
Phone : 02189 - 259498, 259499, Fax : 02189 - 259497

Ref. No. JSL/DIST/ISSIA/2015-16

Date : 18/11/2015

प्रति,
मा. सरपंच,
ग्रामपंचायत कार्यालय,
वटवटे ता. मोहोळ जि.सोलापूर



विषय :- मे. जकराया शुगर लि. इन्व्होर्मेन्ट क्लरन्स मिळाल्याबाबत.....
महोदय,

वरील विषयास अनुसरून आपणास कळविण्यात येते कि .भारत सरकारच्या केंद्रीय पर्यावरण,वन व जलवायू परिवर्तन मंत्रालय दिल्ली या मंत्रालयाने मे. जकराया शुगर लि. या कारखान्यास ३० केएलपीडी मोलासेस आसवनी उभारणी करीता प्रमाणपत्र क्र. जे- ११०११/३१४/२०१२-१A११(१) दि.२८-१०-२०१५ द्वारे इन्व्होर्मेन्ट क्लरन्स मंजूर केला आहे.

आपले माहितीस्तव सविनय सादर .

अ.को.मडके
सरपंच
ग्राम पंच. वटवटे, ता. मोहोळ.

जनरल मॅनेजर डिस्टीलरी

Annexure – XV

Environment statement



FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

Unique Application Number

Submitted Date

01-01-1970

Company Information

Company Name

JAKRAYA SUGAR LTD

Application UAN number

29125

Address

At- Watwate, Post-Inchgaon,

Plot no

61/1/A

Taluka

Mohol

Village

Watwate

Capital Investment (In lakhs)

3717

Scale

L.S.I.

City

Solapur

Pincode

413253

Person Name

SACHIN B.JADHAV

Designation

MANAGING DIRECTOR

Telephone Number

02189-259498

Fax Number

02189-259497

Email

distilery.jsl@gmail.com

Region

SRO-Solapur

Industry Category

Red

Industry Type

R60 Distillery (molasses / grain /yeast based)

Last Environmental statement submitted online

no

Consent Number

29125

Consent Issue Date

23/08/2018

Consent Valid Upto

31/08/2019

Product Information

Product Name

Rectified Spirit

Consent Quantity

28.5

Actual Quantity

28.5

UOM

CMD

By-product Information

By Product Name

BIOGAS

Consent Quantity

12000

Actual Quantity

12000

UOM

CMD

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

300

Actual Quantity in m3/day

300

Cooling

240

240

Domestic

8

8

All others

0

0

Total

548

548

1) Effluent Generation in CMD / MLD

Particulars

DOMESTIC

Consent Quantity

6.8

Actual Quantity

6.8

UOM

CMD

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

Name of Products (Production)

80

During the Previous financial Year

During the current Financial year

UOM

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
MOLASSES	0	11914.340	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
BIOGAS	12000	12000	CMD

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**[A] Water**

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
TREATED SPENT WASH	92	92	-	-	-

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM	35	PPM	-	50	-

HAZARDOUS WASTES**1) From Process**

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.3 Distillation residue	0	5	KL/A

2) From Pollution Control Facilities

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

SOLID WASTES**1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BIOGAS SLUDGE	0	100	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
YEAST SLUDGE	0	3600	Kg
YEAST SLUDGE	0	3600	Kg

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
36.Waste treatment processes, e.g. incineration, distillation, separation and concentration technique	-	-	CMD

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

1) Hazardous Waste

Type of Hazardous Waste Generated Qty of Hazardous Waste
20.3 Distillation residue 5

UOM Concentration of Hazardous Waste
MT/A USED AS A MANURE

2) Solid Waste

Type of Solid Waste Generated Qty of Solid Waste
YEAST SLUDGE 0.5

UOM Concentration of Solid Waste
MT/A MIX IN COMPOST YARD AND USED AS MANURE

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
MEE	148	NA	NA	NA	315.75	NA

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection

Environmental Protection Measures

Capital Investment (Lacks)

Capital Investment

online monitoring system

3.15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

Environmental Protection Measures

Capital Investment (Lacks)

Tree plantation

Availability of existing trees in our Unit- 2000 Nos.,Proposed -2000 Nos.

22

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

Particulars

The plantation consist of about 2000 comprising of flowering ,Non Flowering trees covering an area more than 2 Ha (include in industrial). as well as Road side area.

Name & Designation

Sachin B. Jadhav (Managing Director)

Annexure – X

Advertise of EC

**जक्रया शुगर लि.
वटवटे, ता. मोहोळ, जि. सोलापूर**

"मने म नवीकरण मंत्रालय, भारत सरकार कोषकेन्द्रित वटवटे जक्रया
शुगर लि. भारत सरकार कोषकेन्द्रित 30 किलोलीटर्स शिब्यारी जक्रया
पुनरुत्पादन परियोजनाक संदर्भ संख्या क्र. F.No.J-11011/314/2012-IA
E(I) दिनांक 28-10-2015 मुळाव शिब्यारी वटवटे जक्रया नवीकरण
मंत्रालय moef.nic.in म MPCB संकेतस्थळाक वटवटे जक्रयाक
संकेतस्थळा www.jakraya.com वटवटे जक्रयाक संकेतस्थळा

कार्यवाही संभालण
जक्रया शुगर लि.
वटवटे, ता. मोहोळ, जि. सोलापूर

**JAKRAYA SUGAR LTD.
Watwate, Tal. Mohol, Dist. Solapur**

"Jakraya Sugar Ltd. received the environment
clearance vide F.No.J-11011/314/2012-IA E(I)
dated 28-10-2015 to establish 30 KLPD distillery
project. The environment clearance letter is
available at the ministry website moef.nic.in and
also MPCB as well as the factory site/website."

**Managing Director
Jakraya Sugar Ltd.
Watwate, Tal. Mohol, Dist. Solapur**