

MAHARASHTRA POLLUTION CONTROL BOARD

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No: BO/JD (WPC)/PH/B- 2409
To: Ministry of Environment, Forests & Climate Change
Indira Paryavaran Bhavan,
Jor Bagh Road, New Delhi - 110 003

Date: ~~14/06/2016~~
21/06/2016

Sub: Environmental Clearance - Proceedings of Public Hearing in respect of
Proposed project of expansion distillery from 60 KLPD to 100 KLPD
proposed by M/s. Kisanveer Satara Sahkari Sakhar Karkhana Ltd, At:
Village: Bhuinj, Post: Kisanveer Nagar, Tahsil Vai, Dist: Satara.

Ref: Sub-Regional Office Satara, MPC Board vide letter dt: 26.04.2016 received
on 02.05.2016.

Sir,

The Public Hearing for the proposed project of expansion distillery from 60 KLPD to 100 KLPD proposed by M/s. Kisanveer Satara Sahkari Sakhar Karkhana Ltd, At: Village: Bhuinj, Post: Kisanveer Nagar, Tahsil Vai, Dist: Satara. The Public hearing was conducted on 03.03.2016 at 11.00 a.m. at factory site of M/s. Kisanveer Satara Sahkari Sakhar Karkhana Ltd, At: Village: Bhuinj, Post: Kisanveer Nagar, Tahsil Vai, Dist: Satara.

The minutes of the public hearing approved and duly signed by the Public hearing panel along with the proceedings are enclosed.

- Minutes of public hearing duly signed by the Chairman of public hearing panel (in English & Marathi)
- EIA Report along with executive summary
- Copy of Office Order
- Video DVD and Photograph of Public Hearing.
- List of participants.
- Newspaper Notices for Environmental Public Hearing in English & Marathi.

This is submitted for further necessary action please

Yours Sincerely,


Dr. Y.B. Sontakke 20.6.16
Joint Director (WPC)

Encl.: As above

Copy submitted to:

- The Principal Secretary, Environment Dept. GOM, Mantralaya, Mumbai - 32 - For Information.
- The Member Secretary, MPCB, Mumbai.

Copy to the applicant of the project:

M/s. Kisanveer Satara Sahkari Sakhar Karkhana Ltd, At: Village: Bhuinj, Post: Kisanveer Nagar, Tahsil Vai, Dist: Satara

Copy for information & necessary action to:

- The Regional Officer, MPCB, Pune,
- The Sub Regional Officer, MPCB Satara,
- EIC, M. P. C. Board, Mumbai - For information & display of Minutes on website

MINUTES OF THE PUBLIC HEARING IN RESPECT OF M/S. KISANVEER SATARA SSK LTD., BHUINJ, POST- KISANVEERNAGAR, TAL-WAI, DIST-SATARA HAS PROPOSED TO EXPAND FROM 60 KLPD TO 100 KLPD MOLASSES BASED DISTILLERY PLANT, AT-BHUINJ, POST- KISANVEERNAGAR, TAL-WAI, DIST-SATARA.

A Public Hearing was conducted on 03 March, 2016 at 11.00 am in respect of M/s. Kisanveer Satara SSK Ltd., Bhuijn, Post- Kisanveernagar, Tal-Wai, Dist-Satara for their Propose expansion from 60 KLPD to 100 KLPD Molasses based Distillery plant.

Member Secretary, Maharashtra Pollution Control Board, Mumbai has constituted a following committee vide Office order No.E-25 of 16, Letter No.BO/JD(WPC)/PH/B-821 Dt.29/02/2016 for conducting Environmental Public Hearing.

Following were the panel members:-

- | | |
|---|------------------|
| 1) District Magistrate, Satara,
(Representative of District Magistrate-Satara) | Chairman |
| 2) Regional Officer, MPCB, Pune | Member, |
| 3) Sub Regional Officer, MPCB, Satara | Member, Convener |

Shri.Sanjiv Deshmukh, Chairman & Addl. District Magistrate, Satara, Shri.Suryakant S.Doke, Member & Regional Officer, M.P.C.B. Pune & Shri.B.M.Kukade, Member, Convener & Sub Regional Officer, MPCB, Satara where The Chairman & Member, Convener respectively were present for this Public Hearing.

Shri. B.M.Kukade, Member Convener of the Public Hearing Committee welcomed Chairman of the committee, project officials, surrounding local villagers & NGO presented for Public Hearing. He informed that as per the EIA Notification No. S. O. 1533 dated 14th Sep. 2006, public consultation has become mandatory for the projects listed under schedule of this notification, seeking prior environmental clearance from Ministry of Environment, Forest and Climate Change, Government of India. The purpose is to make aware general public about the project and to give an opportunity to put their objections/suggestions with respect to environmental pollution & health related aspects from the proposed project.

As per the EIA Notification No. S. O. 1533 dated 14th Sep. 2006, this project is falling under Category A in the schedule and requires Environmental Clearance from the MoEF & CC.

Shri. B. M. Kukade, Convener informed that as per the EIA Notification 2006, one month prior notice informing the public consultation of the proposed project was published in the local Marathi Newspaper Sakal on 01.02.2016 & in English newspaper, the Times of India on 01.02.2016. The public in general were appealed to send their objections if any for the said project. EIA Report and executive summary in English & Marathi of the said project was made available at Collector Satara Office, Office of the District Industries Centre, Satara, Zilla Parishad Office, Satara, Sub Regional Office, M.P.C Board, Administrative Building 2nd floor, Behind ST stand, Satara, MoEF, Mantralaya Mumbai, Head Office, MPCB, Mumbai, Regional Office, MPCB, Pune & Grampanchayat Office A/P-Bhuijn, Tal: Wai, Dist- Satara.

He informed that, only one suggestion was received regarding the proposed expansion from Shri. V. Sunanda Reddy from Haidrabad. He appeal that, if any

suggestions/objections/questions & opinions regarding proposed project, they can raised during the Public Hearing.

Shri. B. M. Kukade, Convener requested factory officials to explain brief about project, production activities and pollution control devices in local marathi language, so that general public who are attending the Public Hearing shall know about the efforts, the factory is going to take for pollution control and betterment of environment.

Thereafter, Shri. Pravin Latwade, representative of M/s. Mahabal Enviro Engineers Pvt. Ltd., Thane. Environmental Adviser of KSSSL, Bhuinj has furnish the information about proposed project through power point presentation.

He informed that, the expansion project as per the EIA notification 2006 comes in category 'A'. The project needs the Environmental Clearance from the Ministry of Environment and Forest (MoEF). The Environmental Impact Assessment study has been carried out as per the Terms of Reference prescribed by EAC in its 10th meeting held on 31st July 2013.

The power point presentation includes information about the proposed expansion project, geographical information, brief details, manufacturing process, cost of the project, raw material, water requirement, and effluent generation, treatment of effluent, air pollution control and solid waste management.

He further informed that, the Environment Impact Assessment study was carried out in the 10 km. radius around the project site as per the guidelines issued by the MoEF & CC. There are no major protected areas such as Biosphere reserve, Tiger Reserve, National Park, Marine Sanctuary etc., exist within 10 km. radius from the project area boundary. The baseline data was collected for air environment, noise environment, water environment, biological environment, socio economic condition and present land use. The presentation also include the impact of proposed expansion project on air and noise environment, impact on water, land and soil, socio-economic impacts, impact on biodiversity, health services/facilities, environmental management plan for air, Noise, water, soil, flora and fauna etc., environmental budget, CSR activity and disaster management plan etc.

After above presentation, the convener of the Public Hearing committee & Chairman of the Public Hearing Committee Shri.Sanjiv Deshmukh appealed the public for suggestions, questions, objections, complaints & opinions etc. also he appeal that, if any hesitation regarding the proposed project, you may ask in writing within seven days to Collector Office & local MPCB office.

Further, Shri. Sanjiv Deshmukh, Chairman informed that the MPCB has received one letter from Mr. V. Sunanda Reddy, Environmentalist regarding suggestions in respect of proposed expansion project. The copy of letter is also attached as **Annexure I**.

Shri. Sanjiv Deshmukh, Chairman asked to project proponent to submit the reply of suggestions later.

Question raised by public & clarification submitted by the Factory representative during course of Public consultation is as under-

- 1) Shri. Vikas Sonaji Jadhav, village- Jamb, Tal-Wai Dist-Satara.
What are the provisions made to treat the effluent generated from the proposed unit?

Ans: The spent wash from molasses based distillery shall be treated in Multi Effect Evaporator & Biomethanation Plant and concentrated spent wash will be mixed with press mud generated from sugar unit for manufacturing organic manure to achieve 'Zero' discharge. No effluent shall be discharged outside the premises and 'Zero' discharge shall be maintained.

- 2) Shri. Shamrao Rajaram Babar, village-Kikali, Tal- Wai, Dist-Satara.
What capacity of Boiler will be used for the proposed expansion unit & what will be the stack height?

Ans: The existing 20 TPH capacity boilers will be used for 100 KLPD (Existing: 60 KLPD and Proposed: 40 KLPD) Unit. The Stack of 40 mtr. height is already provided.

- 3) Shri. Shivaji Ramrao Ethape, village-Degaon, Tal- Wai, Dist-Satara.
What are the provisions made for Air Pollution control?

Ans: To arrest the particulate matter, Factory have provided the Multi cyclone to the boiler.

- 4) Shri. Ravindra Rajaram Pawar, Kalangwadi, Tal-Wai, Dist-Satara.
Where will you dispose the Boiler Ash?

Ans: Boiler ash will be sold to Brick Manufacturing Units in and around the area.

- 5) Shri. Laxman Genaba Jadhav, village-Kalambhe, Tal-Wai, Dist-Satara.
What will be the water requirement for the proposed expansion Unit?

Ans: The water required for proposed expansion is 720 KLD. The total water requirement for 100 KLPD Plant is 1685 KLD.

Member of Public Hearing Committee & Regional Officer, Pune Shri.S.S. Doke asked the project proponent to furnish the detailed regarding water balance i.e. water consumption & spent wash generation from total 100 KLPD plant.

Project proponent has informed about total consumption & generation from 100 KLPD plant that, total water requirement will be 1685 M3/day & spent wash generation will be about 800 KLD. Source of water is from Krishna River.

- 6) Smt. Shila Madhavrao Jadhav, village- Bhuij, Tal- Wai, Dist-Satara.
Which tree species have been planted by the sugar Factory in their premises, which release more oxygen like medicinal plants?

Ans: The KSSSKL has planted around 23,086 trees in 46.10 acres of green belt area, which includes Mango, Clustered apple, Amala, Guava, Tamrind, Coconut, Jambhul etc. Also KSSSKL has planted 35 to 37 types of Medicinal Plants in their nursery which includes Ocimum Sanctum, Thespesia laurifolius, Sapindus laurifolius, Jatropha Curcas, Cassia fistula, Aegle marmelos, Oroxyllum Indicum, Bombax malbaricum, Terminalia bellerica, Vitis quadrangularis, Acorus calamus, Dolichandrone falcate, Terminalia Chebula, Semecarpus Anacardium, Putranjiva rouxburghi, Tabubia argented, Citrus decumana, Boca orellena, Rauwolfia serpentine, Dolichandrone falcate, Mimusops elengi, Gmelina arborea, Craetaeva religiosa, Adansonia digitata, Holarrhena antidysenterica, Catharanthus roseus, Butea monosperma, Piper longum, Acacia concinna, Plumbago zeylanica, Euphorbia tirucalli, Ailanthus altissima, Tinospora cordifolia, Tylophora asthmatica, Argyreia nervosa, Cymbopogon citratus.

- 7) Shri. Sambhaji Balasaheb Shingate, village- Khidaki, Tal- Wai, Dist-Satara.
Will this project is going to increase in Air Pollution?

Ans: The steam required for existing 60 KLPD unit and proposed 40 KLPD unit is 6 TPH and 4 TPH respectively. The bagasse and biogas is used in the boiler. For the proposed expansion unit additional 40 TPD bagasse and 1800 m³/day biogas will be required for steam production. During worst case scenario, there will be increase in particulate matter concentration by 4.48 µg/m³ and SO₂ concentration by 3.18 µg/m³. The maximum concentration is observed at 1.0 km in SE direction. The incremental Particulate matter and SO₂ GLCs were predicted at all AAQMS of the study area. Total predicted GLCs at all the AAQMS were found to be within the limit of stipulated standard for Particulate Matter and SO₂.

- 8) Shri. Chandrashekhar Uttam Nikam, village- Nikamwadi, Tal- Wai, Dist-Satara. The surrounding four villages are facing problem of fly ash emitting from Sugar factory Stack. This may cause adverse effect on the health. Will KSSSKL provides accidental insurance or mediclaim for the residents? How many jobs will be created from the proposed expansion unit?

Ans: The factory representative has informed that, factory has provided separate ESP to Sugar factory and Co-generation unit stacks and efficiently operating it. The KSSSKL has provided the multicyclone to arrest the fly ash for distillery boiler stack. The particulate matter emissions from stack are well within the limit (100 mg/Nm³) prescribed by MPCB.

As regards to the accidental insurance or mediclaim, factory had already discussed this issue in the General Body meeting of KSSSKL. The premium of mediclaim is more and it is in the range of 45 to 55 lacs. If we provide the accidental insurance or mediclaim to nearby villagers, it will affect the sugar cane price. If the farmers and shareholders in surrounding villages of KSSSKL have agreed, then we will discuss with insurance/mediclaim factory for the same.

The management, in the past offered medical help to the needy not only affected by the fly ash. Our factory dispensary is available to all.

The 30 Nos. of direct employees will be recruited for the proposed expansion unit. Also there will be additional indirect employment from the proposed expansion.

- 9) Shri. Sadashiv Anandrao Shinde, village- Jamb, Tal- Wai, Dist-Satara. How to reduce the fly ash content from the Boiler?

Ans: Factory has provided multi cyclone to arrest the fly ash to boiler. The particulate matter emission from stack is well within the limit (100 mg/Nm³) prescribed by MPCB.

- 10) Shri. V. Sunanda Reddy, Environmentalist offered best wishes and support to Management of M/s. Kisanveer Satara Sahkari Sakhar Karkhana Ltd. (KSSSKL) for expansion of distillery from 60 KLPD to 100 KLPD. He has given his suggestions to KSSSKL/MPCB and request to try and implement the same.

Ans: The environmental consultants handed over the point wise compliance to the suggestions given by Shri. V. Sunanda Reddy to Mr. Sanjiv Deshmukh, Chairman of MPCB Panel. The panel has recorded the same.

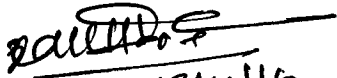
11) Shri.Madan Bhosale, Chairman of Kisanveer Satara SSK Ltd., Bhuinj, Tal-Wai,Dist-Satara- Most of the farmers cultivating sugar cane in this area. How much carbon dioxide is absorb by the sugar cane from the atmosphere & how much oxygen is released from 1 Acer of sugar cane. He also suggested that, farmers shall get carbon credit for the same.

Ans: Chairman of the Committee replied that, regarding carbon credit we may get expert opinion. Member of the Committee Shri.S.S.Doke has suggested that, industry may get information/expert opinion from M/s. Vasantdada Sugar Institute Manjari, Pune.

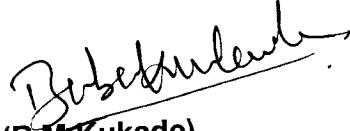
Shri. Shekhar Bhosale, village- Bhuinj, Tal- Wai, Dist-Satara informed that, farmers of surrounding villages of KSSSKL are getting fruit bearing trees on the basis of NO PROFIT NO LOSS from past 10 years. Till date the KSSSKL has distributed around 1,75,000 Nos. of fruit bearing trees in surrounding villages/area.

Further, Shri. Sanjiv Deshmukh, Chairman of the Public consultation Committee concluded the Public consultation proceeding with emphasis on use of efficient

technology for pollution control. Implementation of new concept to minimize the pollution & proper utilization of CSR Fund for Environment aspects.
The Public Hearing was concluded with the vote of thanks to the Chair.



(S.S. Doke) 13/4/16
Member of the Committee
Regional Officer, MPCB, Pune



(B.M. Kukade)
Convener, Member of the Committee
Sub Regional Officer, MPCB, Satara



(Sanjiv Deshmukh)
Chairman of the Committee &
Addl. District Magistrate, Satara,
Dist. Satara

