

MINUTES OF ENVIRONMENTAL PUBLIC HEARING IN RESPECT OF PROPOSED EXPANSION OF 30 KLPD TO 60 KLPD MOLASSES BASED DISTILLERY PROPOSED BY M/S. KARMAYOGI ANKUSHRAO TOPE SAMARTH SAHAKARI SAKHAR KARKHANA LTD., ANKUSHNAGAR, TQ. AMBAD, DIST: JALNA, MAHARASHTRA CONDUCTED ON 13/12/2019 AT 11.00 A.M. AT M/S. KARMAYOGI ANKUSHRAO TOPE SAMARTH SAHAKARI SAKHAR KARKHANA LTD. (PROPOSED SITE), ANKUSHNAGAR, TQ. AMBAD, DIST: JALNA, MAHARASHTRA.

An environmental public hearing in respect of **Proposed Expansion of 30 KLPD to 60 KLPD Molasses Based Distillery** proposed by M/s. Karmayogi Ankushrao Tope Samarth Sahakari Sakhar Karkhana Ltd., Ankushnagar, Tq. Ambad, Dist: Jalna, Maharashtra was conducted on 13/12/2019 at 11.00 a.m. at M/s. Karmayogi Ankushrao Tope Samarth Sahakari Sakhar Karkhana Ltd. (Proposed Site), Ankushnagar, Tq. Ambad, Dist: Jalna, Maharashtra.

Following Panel members were present during the public hearing :

1. **Deepali Motiyale,**
Additional District Collector, Jalna,
Dist: Jalna. Chairperson.
2. **Shri Rajendra A. Rajput,**
Regional Officer,
MPCB, Aurangabad. Member.
3. **Dr. Yogini A. Balankhe,**
Sub-Regional Officer,
MPCB, Jalna. Convener.

A list of members and public participants present for Public Hearing is annexed herewith. All those present were given welcome by **Dr. Yogini Balankhe**, Sub-Regional Officer, MPCB, Jalna & Convener of Environmental Public Hearing Panel and started the proceedings of said public hearing with the permission of the Chairperson of Environmental Public Hearing Panel. She stated that the said Environmental Public Hearing has been organized as per the Ministry of Environment, Forests & Climate Change, Government of India, New Delhi Notification No. S.O. 1533 dated 14th September, 2006 and amended Notification No. S.O 3067 (E) dated 01/12/2009 for the **Proposed Expansion of 30 KLPD to 60 KLPD Molasses Based Distillery** proposed by M/s. Karmayogi Ankushrao Tope Samarth Sahakari Sakhar Karkhana Ltd., Ankushnagar, Tq. Ambad, Dist: Jalna. Then, she narrated the procedure to be followed for obtaining environmental clearance by explaining the provisions of the MoEFCC, Government of India Notification No. S.O. 1533 dated 14th September, 2006 and amended Notification No. S.O 3067 (E) dated 01/12/2009 and Summary of the proposed project right from the date of receipt of application alongwith Environment Impact Assessment Report submitted by the Project Proponent through Environmental Consultant, M/s. Building Environment (India) Pvt. Ltd., Pune

for conducting Environmental Public Hearing till fresh notice issued by MPCB in the newspapers Daily Times of India (English) and Daily Sakal (Marathi) dated 12/11/2019. She stated that the **Proposed Expansion of 30 KLPD to 60 LPD Molasses Based Distillery** project falls under **Category-A** of said Notification, which requires Environmental Clearance from the Government of India, New Delhi, hence it is necessary to conduct the public hearing for the said project. She further stated that as per the said Notification, the copies of Environment Impact Assessment and Executive Summary of the proposed project in English and Marathi were placed at concerned Grampanchayat Offices, like Mahakala, Shagad, Sasht Pimpalgaon, Vadigodri, etc. in Jalna district as well as various Government Offices like, Collector Office, Jalna, Tehsil Office, Ambad, Zilla Parishad Office, Jalna, District Industries Centre, Jana, Mantralaya, Mumbai, MPCB offices at Jana, Aurangabad & Mumbai and CPCB Office, Nagpur, etc. for study and people were requested to record suggestions, objections, if any regarding the said project within **30** days from the publication of notice of the said project in the newspapers and accordingly, one suggestion from Shri V. Sunanda Reddy from Telangana has been received at Sub-Regional Office, MPCB, Jalna through e-mail on 09/12/2019. She stated that if anybody would like to record their suggestions, objections, etc., they may record the same here today either orally or in written. She requested that the questions related only and only with the environment may be asked which will be clarified by the Project Proponent satisfactorily and same will be recorded in the minutes and be submitted alongwith Video recording of said public hearing to the Ministry of Environment, Forests & Climate Change, Government of India, New Delhi for further necessary action. Thereafter, with the permission of the Chairperson of said Public Hearing Panel, she requested the Project Proponent to brief the presentation of the proposed project.

Then, **Shri Adhikrao Yewale**, the Project Consultant started the power point presentation of proposed project including the details of project, environmental pollution, plans, devices, control measures to be taken thereof and stated that as reported earlier by the Sub-Regional Officer, it is necessary to obtain the Environmental Clearance for any industrial project as per the Notification dated 2006 (as amended) issued by MoEFCC. He stated that Environment Impact Assessment Study is carried out so as to know the prevailing natural and bio environment and to plan necessary control measures during the starting period in a cost effective system to prevent the adverse effect to be arise due to the project and the main purpose of Environment Impact Assessment Study is to assess the adverse impact during the planning stage. The purpose of the public hearing is to know the support/opinion of people and social as well as effective measures for the environmental protection development activities.

He briefed about the information of proposed project and stated that the said project is the **Expansion of 30 KLPD to 60 KLPD Molasses Based Distillery**. The existing project is of **2500 TCD** capacity of Sugar Unit, Co-generation Power Plant - **18 MW** and Molasses Based Distillery Unit - **30 KLPD**. The factory has obtained the No Objection Certificate from Government of Maharashtra for the expansion of Sugar Unit on 15th April, 1993, obtained No objection Certificate for the Distillery Project and also obtained the Environmental Clearance for **18 MW** capacity of Bagasse Based Co-generation Power Plant on 24th April, 2009. The factory has established **30 KPD** capacity of Distillery Plant based on the Biostil, Fermentation and Distillation technology and has proposed the expansion of **30 KLPD to 60 KLPD** Distillery Plant. He stated that as per the EIA Notification issued by the Ministry of Environment, Forests

& Climate Change, Government of India, the proposed project falls under **5 (g)** Category for which it is necessary to obtain Environmental Clearance from the said Ministry and accordingly, the factory has submitted the proposal of proposed expansion to the EAC, Ministry of Environment, Forests & Climate Change on 12th May, 2018. The said project has received the TOR on 15th June, 2018 and accordingly the Environment Impact Assessment Report has been prepared. He showed the photograph of project site, study area of 10 km. radius of the project, goohlr msp, existing photographs of factory, tree plantation, etc. and stated that the site of said project is located at Ankushnagar, Tq. Ambad, DistL Jana and the Toposheet Number is as 47 M/11 and 47 M/15. He showed the lay-out of factory having total area of **358** acres and stated that the proposed distillery will be established at the site of existing distillery plant on **5.5** acres of area.

He further briefed about the salient features of the proposed project and stated that the existing Sugar Factory is of **2500** TCD capacity and Co-generation Power Plant is of **18** MW capacity and both the plants will be operated for **180** days during the year. The existing distillery is of **30** KLPD capacity, which is operated for **190** days and after expansion the distillery capacity will be **60** KLPD. The raw material required for the distillery will be molasses, total molasses required will be **69231** MT/A, out of which **48782** MT of molasses will be taken from own sugar factory and remaining **20449** MT of molasses will be taken from the nearby sugar factories. The product to be produced from distillery plant will be RS, ENA, Fusel Oil, Fuel Alcohol, Pure/Impure Alcohol, Alcohol Mixed Oil, etc. The boiler proposed for the distillery plant will be of **22** TPH capacity, proposed distillery will be based on Zero Liquid Discharge (ZLD) concept and no any liquid will be discharged outside the factory premises. The spent wash generated from the distillery will be sent to Multi Effect Evaporator (MEE) and after evaporation, the concentrated spent wash generated will be used as a fuel alongwith bagasse and coal for the said boiler. The source of water required for the said project is river Godavari for which the factory has obtained necessary permission and the total water required will be **612** CMD. The industrial effluent to be generated will be treated in MEE followed by CPU and then the condensate will be reused in process. For control of air pollution to be emitted from boiler, they have proposed to provide ESP followed by stack of **60** mtr. height.

He briefed about the basic needs of the proposed project and stated that as reported earlier the factory is having total land of **358** acres, out of which **5.5** acres of land will be used for the proposed distillery project and there will be no need of additional land, the raw material required will be molasses which will be made available from their existing sugar factory as well as other nearby sugar factories and daily requirement of molasses for the distillery after expansion will be **230.77** MT, total water requirement will be **612** CMD, steam and electricity will be made available from the **22** TPH capacity of boiler and the total manpower required for the proposed distillery project will be **98**, out of which **57** will be skilled workers and **41** will be unskilled workers and the employment will be made available to about **80** to **85%** of local people.

ShriYewale briefed about the detailed Environmental Study and stated that they have carried out the detailed Environmental Study in the area as per TOR during the period from March, 2019 to May, 2019 for knowing various factors like Air Quality, Water Quality, Soil Quality, Noise Level, Biodiversity, Classification of Land and Socio-Economic Environment. He

stated about the information within the radius of 10 km. of said project like latitude, longitude, Number of villages in Study Area – 23 Nos., Nearest Residence – Mahakala, Nearest River – Godavari, Nearest IMD Observatory – Aurangabad, Nearest City- Aurangabad, Nearest Railway Line – Kodi, Nearest Airport – Aurangabad, Nearest Highway – National Highway 211 and there is no any Religious/Historical Place, Archaeological Monuments and Reserve Forest within the area of 10 km. radius and as per seismic zone study, the study area falls under **Zone-3**.

He stated that they have carried out the study to know the temperature, average wind speed, wind direction, relative humidity in the area. The air quality monitoring carried out at various 8 places in the study area like Project Site, Shahagad, Patharwala (B), Kuran, Churmapuri, Sasht Pimpalgaon, Patharwala (Kh) and Mahakala for the parameters PM₁₀, PM_{2.5}, SO₂ and NO_x and observed the air quality as 46.81 – 88.51 µg/m³, which is within the norms prescribed by the Central Pollution Control Board. He stated that they have carried out the study for ground water quality by taking samples at various 9 places from well, bore well, etc. and surface water quality from river Godavari and Paithan Canal observed the Surface Water Quality as pH 6.89 to 7.89, TDS – 106.98 – 134.67 mg/l, Total Hardness - 89.8 – 114.8 mg/l, Chlorides – 37.99 – 45.99 mg/l and Sulphate – 27.82 – 39.08 mg/l and Ground Water Quality as pH - 6.67 to 7.5 and Total Hardness – 103 - 536.5 mg/l. For Soil Quality, they have taken soil samples from 8 various places in the study area like Project Site, Shahagad, Patharwala (B), Kuran, Nalewadi, Sasht Pimpalgaon, Patharwala (Kh) and Mahakala and observed as pH – 7.09 to 8.16, Water Holding Capacity – 35.2 to 48.9%, the soil is loamy/sticky (*chikan*) and is good for the growth of crop and plants. He stated that they have carried out the noise level monitoring at various 9 places in the study area like Project Site, Industrial Area, village Mahakala, Patharwala, Shahagad, etc. and observed the noise level in the study area is within the norms prescribed by MPCB.

He briefed about the Bio Environment and stated that they have carried about the Bio Environment within the area of 10 km. radius of the project and observed 85 species of plants and shrubs like *Neem*, Banyan tree, *Chinch*, etc. As per the study, they have observed 59 types of different species of birds, 17 species of butterflies, 6 species of mammal, 5 species of amphibian and reptiles. As per Sr.No. 1 of the Wildlife Protection Regulation, 1972 no any species is observed in the study area. The greenbelt has been developed with original species in the project area. He showed the photograph of Land Classification in the study area wherein the details of land viz. agriculture land, infertile land, barren land, open land, plants, water bodies, etc. are mentioned. He further briefed about the Socio-economic Environment in the area and stated that 23 villages include in the study area and as per the Census 2011, the population is 43940, out of which 51.10% are male and 48.89% are female and out of total population the percentage of scheduled caste and scheduled tribe is 12.86% & 2.61% respectively. The main business in the area is agriculture as well as other business based on agriculture.

Shri Yewale briefed about the Anticipated Impact on the surrounding environment due to the proposed project and stated that impact is expected during the Construction Phase and Operational Phase.

Construction Phase : The proposed distillery project will be establish at the existing factory, the soil from excavation work will be used for development of green belt, water spraying will be

carried out in the factory premises to reduce dust emission due to heavy vehicle movement and vehicles will be checked from time to time, wall fencing will be used around the project for reducing the noise pollution, limited water will be used for construction work, the waste to be generated during the construction work will be disposed by using proper method, importance of environment will be briefed and training will be given to the workers from time to time and health of workers will be checked.

Operational Phase : It is expected that there will be impact on air, water, noise, solid waste in the area due to the proposed project. There will be very negligible impact on the plants and animals, no impact will be on soil, very negligible impact will be on the lifestyle in the surrounding area, no impact of effluent discharge will be on land, surface water and groundwater because the proposed project is based on Zero Liquid Discharge (ZLD) concept.

He briefed about the Environment Management Plan prepared for air, water, solid waste, noise and stated as below :

Air : The source of air pollution is boiler, vehicle movement, ash handling area. To control the air pollution, the existing boiler of 95 TPH is provided with 76 mtr. height of stack and scrubber, the proposed 22 TPH boiler will be provided with ESP followed by 60 mtr. height of stack. The roads in the factory area will be kept clean and maintained and if required, water will be sprayed on the roads to reduce the dust emission, green belt will help to clean the air in the factory premises and the existing air pollution control system will help to reduce the air pollution.

Water : Continuous efforts will be taken to use less and less water, due to recycling, effluent generation will be reduced, flow meter will be provided to measure the effluent flow, water audit will be carried out so as to use less water again, the effluent to be generated from the process will be reused and in the distillery project. The waste water i.e. spent wash generated will be treated in MEE, further condensate from MEE will be treated in Condensate Polishing Unit (CPU) and after treatment, it will be used again for cooling tower and concentrate will be burned as fuel with bagasse in boiler.

Effluent and Solid Waste : As reported earlier, in the distillery project, the condensate from MEE will be treated in Condensate Polishing Unit (CPU) and after treatment, it will be used again for cooling tower, the ETP sludge will be mixed with press mud and then it will be used as manure for green belt conservation. The concentrate from effluent treatment plant/MEE, it will be used as a fuel for boiler along with bagasse.

Green Belt : He stated that the factory has developed the green belt on 50 acres of land, which is 33% as per the guidelines of Expert Committee of MoEFCC, He showed the photographs of said green belt.

Corporate Social Responsibility (CSR) : He stated that the factory undertake various programmes under the CSR like Member Accident Insurance Policy, Various Schemes under the Sugarcane Development Plan – *Karmayogi Ankushrao Tope Sarvadhik Us Utpadak Gaurav Puraskar*, Soil Testing Facility, Drip Irrigation Scheme, Compost Manure Project, Vermicompost Project, Farmer Training Seminars, Tree Plantation and Preservation, Health Facility

and Medical Aid, Free of Cost All Diseases Diagnosis Camp for Female, Free of Cost Eye Checking and Cataract Operation Camp and Employment Camp, etc. He showed the photographs of various activities undertaken by the factory under the CSR.

He briefed about the Expenditure on Environment Management Plan and stated that the total capital cost of the Distillery Project is about Rs. 78.0 Cr. The Project Proponent has made the provision of capital expenditure for various aspects viz. Air Pollution Control – Rs. 4.0 Cr., Water & Waste Water Management – Rs. 2.0 Cr., Solid Waste Management – Rs. 20.0 Lakh, Forestry – Rs. 20.0 Lakh, Environment Management, Rain Water Harvesting, Safety, Security, etc. likewise the total provision of capital expenditure made is of Rs. 6.95 Cr. and the provision of recurring expenditure made is of Rs. 55.0 Lakh per year. He stated that the factory has made the provision of Rs. 78.0 Lakh (1% of the total capital expenditure of project) under the Corporate Environment Responsibility (CER) as per the Notification issued by the MoEFCC in April, 2018 and various activities will be undertaken under the CER at different villages in Ambad, Ghansawangi and Jalna Tehsils for which provision of Rs. 78.0 Lakh is made for different activities and it will be spent during three years period and then he concluded the Power Point Presentation of the proposed project.

After concluding the power point presentation of the said project by the Project Consultant, **Dr. Yogini Balankhe** requested the public participants that if anybody is having any question, suggestion, objection, etc. related with the said project same may be asked by telling their name and village name and the Project Proponent shall answer the same satisfactorily.

During the course of public hearing, the public participants raised certain questions related with the said project and answered the same by the Project Proponent/Project Consultant are as below :

- (1) **Shri Bayaji Eknath Jaibhaye**, a resident of village Mahakala, Tq. Ambad, Dist: Jana asked about total cost of said project and contribution of the factory. **Shri Adhikrao Yewale**, the Project Consultant reported that the total cost of the said project is Rs. 78.0 Cr. The **Shri B. T. Pawse**, Executive Director of said project reported that the cost of project will be as Contribution of Factory – 10%, Farmers Share – 40% and Finance – 50%.
- (2) **One of the resident who is Ex. Sarpanch**, village Mahakala, Tq. Ambad, Dist: Jalna asked about the requirement of water for distillery project and disposal of waste water, upon which **Shri Yewale** reported that the total water required for the distillery project will be 612 CMD and the source of water is river Godavari for which necessary permission has been received to them. He further reported that spent wash is the main source of pollution in distillery plant, as per the guidelines of MoEFCC/CPCB for Zero Liquid Discharge, the spent wash will be treated in MEE and after evaporation and concentration, the condensate after treating in CPU will be recycled in process and remaining concentrated spent wash will be used as fuel for the boiler. And therefore no any effluent will be discharged outside the factory premises. **Shri Pawase** stated that sugarcane contains about 70% of water out of which about 50% water, which is called as condensate is used in existing distillery plant and after commissioning of the proposed

project, 100% of water to be generated from sugar factory during the sugarcane processing will be used in the proposed distillery plant and only 2 to 3 CMD fresh water will be required for the proposed boiler of 22 TPH capacity.

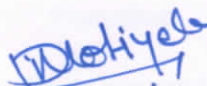
- (3) **Shri Vinayak Murlidhar Mache**, a resident of nearby village Shahagad, Tq. Ambad, Dist: Jalna asked about the disposal of waste water to be generated from the said project or whether it will be useful to the farmers for agriculture. As reported earlier by Shri Yewale, **Shri Pawase** again stated that for achieving Zero Liquid Discharge concept, the spent wash to be generated from the distillery plant will be concentrated through MEE after evaporation and then it will be burnt in the proposed distillation boiler of 22 TPH capacity due which no any effluent will be generated.
- (4) **Shri -----**, a Member of Grampanchayat, Walkeshwar, Tq. Ambad, Dist: Jana asked to give information about the benefit to the farmers and type of benefit due to the said project. **Shri Bodkhe** reported that everybody use Petrol in day to day life and the petrol/diesel is being imported from the Arabian countries against which the Government has to pay the revenue in crores of rupees in the form of American Dollars, which causes burden to the Central Government and therefore the Central Government has given permission to use 10% of Ethanol in petrol. He pointed out that Brazil is one of the countries in the World where about 400 to 500 MT/year of sugar is produced from sugarcane and made such arrangement to produce the sugar as per requirement and more and more Ethanol is produced which is being mixed in petrol and used for vehicles, hence he stated that the Ethanol to be produced in the proposed project will be mixed in petrol by means of which the factory will get money and due to which the farmers will get benefit either through the rates of their sugarcane or other reasons.
- (5) **Shri Shaikh Rafiq Shaikh Budhan**, a resident of nearby village Mahkala, Tq. Ambad, Dist: Jana asked about the green belt to be developed in the said project, upon which **Shri Yewale** reported that the factory is having its own area of 358 acres and as per the guidelines of Central pollution Control Board, 33% area is expected for the green belt development and accordingly, the factory is having existing green belt on 50 acres of area, which is as per the guidelines of Central Pollution Control Board and the factory also plants trees every year.
- (6) **Shri Muktaram Raghunath Dhawale**, a resident of village Mahakala, Tq. Ambad, Dist: Jana asked whether there will be any effect on the workers to be employed in the said project and whether care will be taken for their health. **Shri Bodkhe** reported that there will be zero pollution from the proposed project, hence there will be no any effect on land, human being as well as animals also.
- (7) **One of the citizen and** a resident of nearby village Shahagad, Tq. Ambad, Dist: Jana asked whether there will be any benefit to the educated unemployed due to the proposed project, upon which **Shri Bodkhe** reported that the said project will require skilled and unskilled workers so the educated unemployed will get benefit as unskilled worker in the said project.

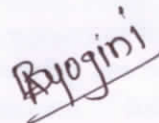
- (8) **Shri Bappasaheb Sonaji Sapate**, a resident of nearby village Patharwala (Bk), Tq. Ambad, Dist: Jana asked about the per year economic benefit to the factory as well as farmers due to the said project. **Shri Pawase** reported that about 90 Lakh Ltr/year or maximum 180 Lakh Ltr.year of Ethanol will be produced from the proposed 30 KLPD distillery project and whatever the benefit of about Rs. 10 – 15/- per ltr. of Ethanol will get to the factory will be distributed to the farmers in the form of rates of their sugarcane or through other medium.
- (9) **Shri Shahadev Genaji** a resident of nearby village Tq. Ambad, Dist: Jana aksed about the measures to be taken for not causing air pollution. **Shri Yewale** reported that the concentrated spent wash (*lagda*) will be used as fuel in the proposed boiler of 22 TPH capacity and the ESP of 99.9% efficiency will be provided as air pollution control system due to which there will be no any air pollution due to the said project.
- (10) **Shri Yogeshwar Vishwanath Jare**, a resident of nearby village Gurunathnagar Mahakala, Tq. Ambad, Dist: Jana asked about the benefits or losses to the land in the surrounding area due to the said project. **Shri Yewale** reported that the proposed project is based on Zero Liquid Discharge concept and whatever the effluent to be generated will be reused completely in the process after treatment due to which no any effluent will be discharged either on land or into water body, less and less water will be used and care will be taken so as not to cause any adverse effect on the land adjacent to the said project.

Dr. Yogini Balankhe gave vote of thanks to the public participants and then, after observing that no questions are remained to be asked by the public participants regarding the proposed project, **Deepali Motiyele**, the Additional District Collector, Jana & the Chairperson of Public Hearing Panel concluded the said Public Hearing.

Lastly, the Public Hearing ended with a vote of thanks to the **Chair**.


(**Rajendra Rajput**)
Member.


(**Deepali Motiyele**)
Chairman.


(**Dr. Yogini Balankhe**)
Convener.