

MINUTES OF ENVIRONMENTAL PUBLIC HEARING IN RESPECT OF PROPOSED PROJECT FOR 45 KLPD MOLASSES BASED DISTILLERY UNIT PROPOSED BY M/S. DHARASHIV SAKHAR KARKHANA LTD. AT GAT NO. 55, 56, 57, 58, VILLAGE CHORAKHALI, TQ. KALLAM, DIST: OSMANABAD, MAHARASHTRA CONDUCTED ON 20/10/2018 AT 11.30 A.M. AT THE PROPOSED SITE OF FACTORY AT GAT NO. 55, 56, 57, 58, VILLAGE CHORAKHALI, TQ. KALLAM, DIST: OSMANABAD, MAHARASHTRA.

An environmental public hearing in respect of proposed project for **45 KLPD Molasses Based Distillery Unit** proposed by M/s. Dharashiv Sakhar Karkhana Ltd. at Gat No. 55, 56, 57, 58, Village Chorakhali, Tq. Kallam, Dist: Osmanabad, Maharashtra was conducted on 20/10/2018 at 11.30 a.m. at the proposed site of factory of M/s. Dharashiv Sakhar Karkhana Ltd., Gat No. 55, 56, 57, 58, Village Chorakhali, Tq. Kallam, Dist: Osmanabad Maharashtra.

Following members were present during the public hearing :

1. **Shri Rajendra Khandare,**
Additional District Magistrate, Osmanabad,
Dist: Osmanabad. Chairman.
2. **Shri A.D. Mohekar,**
Regional Officer,
MPCB, Aurangabad. Member.
3. **Shri V.P. Shelke,**
Sub-Regional Officer,
MPCB, Latur. Convener.

A list of members and public participants present for Public Hearing is annexed herewith. All those present were given welcome by the Convener. Then, **Shri V.P. Shelke**, Sub-Regional Officer, MPCB, Latur and Convener of Public Hearing Panel with the permission of the Chairman of Public Hearing Panel 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 submitted by the Project Proponent for conducting Public Hearing till fresh notice issued by MPCB in the local newspapers Daily Sakal (Marathi) and Daily Lokmat Times (English) dated 13/09/2018. He stated that the proposed project of **45 KLPD Molasses Based Distillery Unit** falls under 'A' 5 (g) Category of the said Notification, which require Environmental Clearance from the MoEFCC, hence it is necessary to conduct the public hearing for the said project. He further stated that as per the said Notification, the copies of EIA Report and Executive Summary of the proposed project were placed at various Government Offices, Offices of the MoEFCC, MPCB, etc. for studying and people were requested to record suggestions, objections, if any regarding the said project within 30 days, but they have not

received any written objection or complaint within 30 days about the said project till today. However, one suggestion is received through e-mail from **Shri H. Madhubabu**, Environment Volunteer, Hyderabad, which has been handed over to the Project Proponent/Technical Consultant for answering the same after Technical Presentation of the said project. Thereafter, he requested the Project Consultant with the permission of the Chairman of Public Hearing Panel to brief the technical presentation of their proposed project. He also requested the public participants that if anybody is having any objection, suggestion, etc. about the proposed project, same can be expressed either in writing or by asking questions after the technical presentation.

Then, the Project Consultant, **Dr. Prashant Banne** from M/s. Sri Sai Manasa Nature Tech Pvt. Ltd., Hyderabad started the power point presentation of the proposed project and stated that the proposed project is of **45 KLPD Molasses Based Distillery Unit** and it will be established in the premises of their existing sugar factory and no additional excavation, construction work will be required because the said project will be established in the available **65** acres of land. He briefed about the special features of the project and stated that the Directors of the project are highly educated from various disciplines like legal, science, etc. and therefore the said project has been proposed by taking into consideration various technical aspects, measures to be taken for environment, socio-economic condition. The height of the site of said project is **600 m.** from MSL and convenient for establishment of the project. He stated that they have prepared the Environment Impact Assessment Report (EIA Report) as per the guidelines of the MoEF Notification dated 14/09/2006 by carrying out the study during the period from March, 2018 to May, 2018 for air, water, animals, birds, socio-economic development, etc. in the project area and submitted to MPCB and therefore today's public hearing is being conducted.

He further stated that the site of the project is located at Gat No. 55, 56, 57, 58, Village Chorakhali, Tq. Kallam, Dist: Osmanabad in Maharashtra State. The nearest Railway Station is Yedshi at a distance of **7 km.** and Osmanabad at **17 km.** from the project site, the nearest Airport is Osmanabad located at a distance of **15.21 km.** and the nearest NH-52 & SH-77 are at a distance of **0.05 km. & 7 km.** respectively. The Yedshi Ramling Wild Animal Sanctuary is located at a distance of **8.5 km.** from the project site and the area of the proposed project falls under Seismic Zone-III. He showed the Google map and photographs of project site as well as the area within the radius of **10 km.** and existing sugar factory. He also showed the photographs of **2 Nos.** of water tanks (*Talav*) having capacity of **3 Lakh Ltrs.** and **3 Crores Ltrs.** of water and the water from these *Talav* will be used for the project as well as residential colony.

While briefing about the special features of the project, **Dr. Banne** stated that the said project will be operated for **270** days in a year and the by-products to be manufactured in the said project will be Fusel Oil, Biogas and Compost. As reported earlier, total land available with the factory is **65** acres, out of which **5** acres will be for the distillery unit, **20** acres will be for the pollution control facility like biomethanisation plant, effluent treatment plant and Multi Effect Evaporator (MEE) and **25** acres will be for green belt development, wherein **2000** trees are already planted at the existing sugar factory and as the proposed project is going to be established, **3000** trees are also planted and again there is provision for planting the trees in the available empty land. He stated that the land available for the said project is bifurcated as Distillery – **1.0** acre, Biomethanisation – **1.0** acre, Production Storage – **3** acres and Bio-compost Yard – **9.2** acres.

He further briefed the other special features of the project and stated that for control of air pollution, wet scrubber will be provided, 15 TPH capacity of boiler having 85% efficiency will be installed, bagasse will be taken from the own sugar factory and if required it will be taken from the local suppliers, the stack of 60 m. height with 2 m. dia. will be provided to the boiler. About 1.5 MW of electricity will be generated through turbine and it will be used in the own factory. The water required for the said project will be 458 KLPD, spent wash generation will be 355 KLPD and the water to be recycled and reused will be 684 KLPD. The total manpower including skilled/unskilled, technical/non-technical worker required for the project is 115 Nos. The total cost of the project is Rs. 72.5 Cr., about Rs. 5.50 Cr. expected towards Environment Management, Rs. 68.00 Lakh per for Operation and Maintenance of the same. A provision of Rs. 1.50 Cr. is made under the CSR.

While briefing about the manufacturing process, he stated that a standard process will be adopted which involves Molasses → Fermentation → Distillation → Dehydration → Alcohol Storage and then it will be sent to the market. The main raw material required is molasses which will be taken from own sugar factory and if required for operating the plant for 270 days, the molasses will be taken from the surrounding market. The chemicals required like Sulphuric Acid, Nutrients N.P., Turkey Red Oil will be purchased from Aurangabad, Solapur, Pune, Mumbai markets. As far as water requirement is concerned, he stated that at the first day of starting of distillery unit, 1142 CMD of water required and thereafter during the regular operation of the unit, the water consumption will be reduced by means of recycling and reuse and then the water requirement will be 458 CMD. The ratio of alcohol and water proposed by them is 1KL : 10 KL. He briefed about the treatment of waste water and stated that they have proposed pre treatment, secondary treatment, clarification and tertiary treatment facility which includes biomethanisation, biogas and MEE by means of which **Zero Liquid Discharge (ZLD)** concept will be adopted and not a single drop of waste water will be discharged outside the factory premises. He stated that about 115 Nos. of persons will be employed in the said project and therefore the solid waste generation will be 23 kg/day, in which 14 kg. will be organic solid waste and 9 kg. will be inorganic solid waste. The said solid waste will be mixed with spent wash press mud for making compost and then, the compost will be sold to the people.

He briefed about the existing environment and stated that they have carried out the survey during the period from March, 2018 to May, 2018 at 7 to 8 villages in the area of 10 km. radius of the project site and observed that wind direction was West to East and average wind speed was 4.66 m/s during the above period. For air pollution, they have studied at 7 various locations for the parameters PM_{2.5}, PM₁₀, SO₂, NO_x and CO and observed that these parameters were within the norms prescribed by MPCB as there is no any large industry or dense traffic in the area. The height of the stack to be provided to the boiler will be of 60 m. with 2 m. dia. and the speed of smoke emitted from the stack will be 10 m/s., the temperature of the smoke emitted from the stack will be 160 °C. Wet scrubber is proposed as air pollution control device and the fuel to be used will be Bagasse and Indian Coal and the emission of Suspended Particulate Matter is expected to be 100 mg/Nm³. For control of emission from boiler, fermentation, distillation, spent wash, etc. they have proposed to provide dumper, fan, wet scrubber, stack, cleaning of the area and closed process, etc.

As far as noise level is concerned, he stated that they have monitored the noise level with the help of Noise Meter at 8 various locations in the project area viz. Barmachiwadi, Babhalgaon, Yermala, Dudhgaon, Waghachiwadi, Yedshi and Dhebarewadi and observed that the noise level in the area is within the prescribed norms.

He stated that for water environment, they have taken the samples of both ground water and surface water in the area and about 36 parameters checked as per IS : 10500 and observed that the concentration of TDS, Calcium, Magnesium is more in the ground water, but the said water was not being used for drinking purpose. While checking the surface water, the concentration of Calcium, Magnesium, Chloride, Sulphate, Nitrate is observed in the said water, which may be due to the buffalo washing, other washing activities.

He further stated that they have carried out soil testing at various places in the project area and observed that the soil in the area is having reddish, brown colour and is of good quality .

He stated that they have carried out the study about Socio-Economic Environment within the project area and observed that climate is good, water is available on a large scale, quality of land is good, however, the industries, educational institutions are not near and away from the rural areas.

He showed the satellite picture of the area of 10 km. radius of the project and observed that the land in the area is divided into 6 parts viz. Built-up Area, Water Bodies, Irrigated Land, Fallow Land, Scrub Land and Barren Land, the Scrub Land is more, i.e. 26.72% out of total 100% area.

As far as Biological Environment is concerned, he stated that animals, birds are the main factors of the environment. He stated that during the study about Environment Impact Assessment they observed one reserved forest, namely, Yedshi Ramling Wild Animal Sanctuary, which is located at a distance of 8.5 km. from the project site and there will be no any adverse impact on the said Animal Sanctuary or the biodiversity in the surrounding area due to the proposed project. He further stated that they have proposed wet scrubber for control of pollution and Zero Liquid Discharge System for control of water pollution, hence there will be less chances of air and water impact; care will be taken by the factory management for control of noise pollution by providing Personal Protective Equipments to the workers. The land for the project is leveled, no excavation work is required, however, there will be some minor construction work, which will be carried out in compound and therefore it will not be troublesome to the surrounding people.

While briefing about the Environment Management Plan, he stated that a budgetary provision of Rs. 5.65 Cr. has been made for the Environment Management Plan which includes air pollution, water pollution, noise pollution, greening drive, monitoring, etc. He also stated that they have studied about the impact in future and observed that there is possibility of negligible increase in pollution in the area, i.e. about 0.76 mg/Nm³ which will be due to increase of vehicles after starting the operation of distillery unit as well as transportation of products and raw material, etc.

He briefed about the Corporate Social Responsibility (CSR) activities and stated that after commissioning of the plant, an amount of 2% from whatever the benefit will get to the factory will be disbursed in the surrounding area as per the rules of Ministry of Environment & Forests, Govt. of India for the CSR activities like Blood Donation Camps, Medical Camps, Water Supply for the People, Road Construction, Construction of Temples, Schools, etc. He stated that the CSR activities are also being taken in the existing sugar factory of 1250 MT/D capacity which includes Blood Donation Camps, Heart Diseases Camp for the employees of the factory, etc. He stated that in this way, the Project Proponent has maintained the CSR activities and environmental balance and therefore, he expected that the said project will be useful for everybody directly/indirectly and then he concluded the power point presentation of the proposed project.

Then, **Shri V.P. Shelke**, Sub-Regional Officer, MPCB, Latur & Convener of Public Hearing stated that all of us have seen and heard the technical presentation of the proposed **45 KLPD Molasses Based Distillery Unit** and then he requested the public participants that if anybody is having any doubt, suggestion, etc. about the proposed project, they may ask the questions, suggestions, etc., which will be answered by the Technical Consultant/Project Proponent. He pointed out that the said project is a proposed **45 KLPD Molasses Based Distillery Project** from which 355 CMD of Spent Wash will be generated and there is one proposed boiler, hence the public participants may ask the questions regarding water pollution and air pollution. During the course of public hearing, the public participants and panel members raised certain questions related to the said project and same were answered by the Technical Consultant/Project Proponent, which are as below :

1. **Shri Khanderao Eknath Maindad**, the Deputy Sarpanch, Grampanchayat, Chorakhali, Tq. Kallam, Dist: Osmanabad asked whether the local people will suffer due to pollution problem after commissioning of the said project. **Dr. Prashant Banne**, the Project Consultant clarified that as reported earlier, there will be no any water pollution in the area due to Zero Liquid Discharge, because the waste water will be passed to Multi Effect Evaporator and further they have proposed Biomethanisation, Biogas Plant due to which not a single drop of water will be discharged outside the factory premises. **Shri Maindad** reported that he supports for the proposed project and further asked whether the drinking water wells in the surrounding area will be affected due to percolation of waste water into the ground and the preventive measures to be taken thereof by the Project Proponent. **Dr. Banne** reported that the Biomethanisation Plant will be installed with standard procedure and as per the norms of MPCB so as to avoid any leachate. **Shri Abhijit Patil**, the Chairman of the proposed project clarified that necessary preventive measures will be taken and care will also be taken so as not to pollute the surrounding area. Then, **Shri Maindad** told that if care is taken, the project will be welcomed by the villagers.
2. **Shri Babasaheb Sathe**, Ex. Sarpanch, Grampanchayat, Chorakhali, Tq. Kallam, Dist: Osmanabad reported that the villagers of Chorakhali have no any objection for the said project, but he asked about the measures to be taken if there is pollution. **Shri Abhijit Patil**, Chairman of the said project clarified that they will

take utmost care so as not to cause any pollution and if any problem arises, both the Project Proponent and villagers jointly will take necessary measures and he assured 100% that there will be no any trouble to the people in the area. **Shri Sathe** stated that such situation arises, upon which **Shri Patil** clarified that they have proposed evaporation system and in the last year, the water from sugarcane juice is used by processing it and not a single drop of water is used from outside. In this year, they have proposed Water Treatment Plant (WTP) and Evaporation and the water generated from this process will be heated to form the steam and again the steam will be converted into water, which will be used in the process and due to such system there will be no waste water generation and if waste water is not generated, the question of ground water percolation does not arise and a provision of Rs. 5.50 Cr. is made for this system. He further clarified that a water tank (*Talav*) constructed at the outer side of factory will be provided with P.C.C. due to which no water will be percolated and for that 100% care will be taken. **Shri Sathe** further pointed out that the slope of land is towards their village where water tank, well, bore wells are located through which water is supplied to their village, hence he requested to make necessary agreement between the villagers and factory management. **Shri Patil** assured that necessary agreement for not discharging the waste water outside the factory premises will be made. **Dr. Banne** clarified that after getting clearance from the MoEF, the industry has to take NOC from MPCB and after commissioning of the factory, it is monitored by the MPCB at every month. **Shri Sathe** pointed out that there is one industry namely M/s. Mauli Metal is located in their area which is having necessary NOC, but due to the said industry there is ash on the road on a large scale, lot of smoke and at present also there is ash layer in the well, hence he asked what about the same. **Shri Shelke** asked him whether any complaint has been given to MPCB, then **Shri Sathe** reported that he has given the complaint before last 4 to 5 months. **Shri Shelke** reported that the said industry will be monitored and if non-compliances observed, necessary action will be taken against the said industry. Therefore, **Shri Sathe** stated that there shall not be any health problem to their villagers due to the proposed project, upon which **Shri Patil** reported that 100% care will be taken by the factory management for the same.

3. **Shri Appasaheb Khune**, a resident of nearby village Chorakhali, Tq. Kallam, Dist: Osmanabad reported that earlier also a permission would have been given to the industry by MPCB and it would have been given in writing by the industry that there will be no any pollution or such meeting would have been conducted and at that time, but meantime due to improper disposal of effluent, the waste water generated from the factory had been entered into his well, which is in his agriculture land located adjacent to the factory at that time the Chairman of the factory had assured him to provide half inch drinking water connection from the factory, but about six months have been passed, but said assurance is not completed so far. He said that as reported now that there will be no pollution, no village will suffer, the health of the people will be good, but if such thing is happened in future, then whether they have to make complaints only and if complaint is made, nothing is done on such complaint for about two years. He

further pointed out that number of wells in the area are having oily layer for which complaints are made to MPCB office at Latur, but nothing is done so far. He said that frequent complaints leads to develop enmity. Therefore, he stated that they have no objection for the distillery project and the said project is welcomed, but he requested that if any complaint is made regarding pollution problem, it shall be solved immediately. **Shri Patil** reported that for any problem the villagers may contact him personally and whatever the issue will be there, it will be solved with mutual understanding at their level and the people will not need to approach the Government for such issues. He also assured that no any problem will be arised due to the proposed project.

4. **Shri H. Madhubabu**, Environmental Volunteer from Hyderabad stated that he has some suggestions for the Project Proponent which are "Please take health status of village people in 10 km. radius around is must, why because it is very useful in future, Please take crop production details from near agriculture land also, For operation of the project water requirement is 615 m³/day, it is taking from Chorakhali Dam, in Summer season chance to down fall water level so please arrange rain water harvesting system, Please utilize waste water to plantation, sprinkling on roads, it controls Dust Pollution when your vehicles transport time, You taking 25 Acres (33%) plantation for Green belt is good, it is CPCB norms, but I am requesting to increase if any possible, You take avenue plantation to near villages, road sides, it is useful to save environment, Plant fruit bearing and medicinal value trees, Please give employment opportunities to local people first and conduct skill programmes for local youth like ITI, Diploma they will get job opportunities in other industries also, Give medical facilities to near villages, Conduct medical camps regularly, Give drinking water facility to near villages, Give good education to near village children, Develop all main roads and street roads of near village, For using CSR budget please form a Co-ordination Committee with village people, Government officials and Company People and find necessary work for villages not target oriented work" **Shri Patil** reported that they have already planted 5000 Nos. of trees and this year planned to plant 10000 Nos. of trees, more area will be covered under greenery and whatever the water generated from the project will be reprocessed and reused so as to maintain greenery and environmental balance. Besides this, he also stated that they will carry out the Rain Water Harvesting Programme and the other suggestions made by **Shri H. Madhubabu** will be taken into consideration. Then, **Shri Madhubabu** handed over his letter to the Chairman of the Public Hearing Panel.


Shri V.P. Shelke, Sub-Regional Officer, MPCB, Latur & Convener of Public Hearing again requested the public participants that if anybody is having any question, suggestion, etc. same can be asked.


5. **Shri A.D. Mohekar**, the Regional Officer, MPCB, Aurangabad & Member of Public Hearing Panel suggested the Project Proponent to provide the latest technology based Electrostatic Precipitator (ESP)/Bag Filter as air pollution control system instead of Wet Scrubber, to reduce the smell nuisance, bio culture

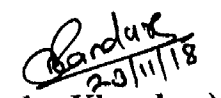
shall be sued at spent wash storage and to think for closed composting instead of open composting because he gave example that there is a 100 KLPD capacity of distillery unit at Aurangabad which is having covered composting due to which no any pollution problem arises. **Shri Patil** welcomed the suggestions given by **Shri Mohekar** and reported that the existing boiler is provided with Wet Scrubber, however, the ESP will be provided to the new boiler to be installed for the proposed distillery unit. As far as covered composting is concerned, he reported that almost the distillery operations will be closed during the rainy season as it will be operated for 270 days in a year, however, efforts will be taken for providing the roof for the composting yard.

Shri Rajendra Khandare, the Additional District Magistrate, Osmanabad & the Chairman of Public Hearing Panel while concluding the Public Hearing stated that with respect to the proposed distillery unit, initially, the Project Consultant has briefed in detail through Power Point Presentation about the establishment of the project, its capacity, required infrastructure including land, machinery, impact on environment due to the said projects, care to be taken for the adjoining land, how to maintain the biodiversity in the area after commissioning of the said project, to maintain the noise level within the prescribed norms, process to be adopted for the treatment of waste water and the funds reserved for the same, details of CSR activities to be taken, etc. He stated that any project to be established in any area is for the development of the area, for improvement in the lifestyle of the people, for increase in the per head income, for employment generation and for development of infrastructure including roads and other basic infrastructure, etc. He further stated that though the Project Consultant has briefed in detail through power point presentation all those things which will affect the lifestyle of the adjoining people, its implementation is important, It is also necessary to expend as per the recurring expenditure shown in the PPT. The things affecting the environment will be taken into consideration so as not to affect the lifestyle of the people in the area, biodiversity will be maintained. He stated that the public participants have recorded their objections, suggestions and same are answered by the Project Consultant & Panel Members, which will be included in detail in the proceedings of today's Public Hearing and then it will be submitted to the Environment Department, Government of India. Thereafter, he concluded the Public Hearing with a vote of thanks to all the public participants

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


(A.D. Mohekar)
Member.


(V.P. Shelke)
Convener.


20/11/18
(Rajendra Khandare)
Chairman.

