



Minutes of Public hearing for proposed construction of 1 no. of Ethanol tank with storage capacity of 858 KL and 2 numbers (3,415KL capacity each) of Biodiesel storage tanks at Bharat Petroleum Corporation Limited (BPCL) Manmad Depot, Venue: BPCL POL Parking, Manmad - Nandgaon Road, Panewadi, Tal. Nandgaon, Dist. Nashik, on 09/02/2017 at 11.00 am.

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The Environment Public hearing for Bharat Petroleum Corporation Limited (BPCL) Manmad for proposed construction of 1 no. of Ethanol tank with storage capacity of 858 KL and 2 numbers (3,415 KL capacity each) of Biodiesel storage tanks was conducted at Venue: BPCL POL Parking, Manmad - Nandgaon Road, Panewadi, Manmad, Tal. Nandgaon, Dist. Nashik. on 09/02/2017 at: 11 am.

Following were the panel members as per the Board's Office Order No. E-10 of 2017, under letter no. BO/JD(WPC)/PH/B-447 dated 31/01/2017.

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| 1) Shri Dilip Swami
(Additional District Collector, Malegaon) | : Chairman |
| Shri R U Patil
(Regional Officer M.P.C. Board, Nashik) | : Member |
| 3) Shri A J Kude
(Sub Regional Officer M.P.C. Board, Nashik) | : Convener |

Shri. Nilesh Morankar, Field Officer, Sub-Regional Office, MPCB Nasik, welcomed the Hon'ble Chairman of the public hearing, company officials and public who were present in large number and informed that, as per the EIA notification 14/09/2006 and 01/12/2009, Ministry of Environment and Forest, New Delhi, it is mandatory to conduct prior public hearing to certain projects which are covered in the schedule of the said Notification.

In response to above, the advertisement was published in English and Marathi newspaper 30 days before the date of public hearing and the People were requested to send/raise their queries/suggestions to Sub-Regional Office, Maharashtra Pollution Control Board Nashik office at address: First Floor, Udyog Bhavan, Trimbakeshwar Rd, Near ITI, Satya Colony, Satpur Colony, Nashik, Maharashtra (422007). Email: sronashik@mpcb.gov.in, 0253 – 2365150, 0253 – 2365140. The Date of Public hearing meeting and venue were mentioned in the advertisement/notice.

The proposed project related EIA Reports (English & Marathi), Executive summary (English and Marathi) and soft copies were made available at the following centres:

1. Environment Department, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madam Cama Road, Mantralaya, Mumbai - 400 032.
2. Maharashtra Pollution Control Board (Head Quarters), Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
3. Maharashtra Pollution Control Board (Nashik, Regional Office) First Floor, Udyog Bhavan, Trimbakeshwar Rd, Near ITI, Satya Colony, Satpur Colony, Nashik, Maharashtra 422007.
4. Nashik Collector Office, Old Agra Road, Nashik, Maharashtra 422002
5. Nashik Zilla Parishad Office.
6. Maharashtra Industrial Development Corporation, Nashik.
7. District Industries Centre, Nashik. Near Industrial Training Centre, M.I.D.C.Vasahat, Satpur, Dist: Nashik-422 007
8. Sub Division/Taluka Yeola, Dist: Nashik.
9. Nandgaon Tehsil office, Nashik.
10. Maharashtra , District Industries Centre, Nashik
11. Municipal Council, Manmad, Taluka: Nandgaon Dist: Nashik.
12. Grampanchayat offices of following villages: Ankawade, Astagaon, Bezgaon, Bhoygaon, Dahegaon, Dhaner, Dhotane, Ekwai, Hiswal, Jondhalewali, Khandgaon, Karhi, Mohegaon, Nagapur, Panewadi, Panjhandeo, Satane in Nashik district.

The project expansion public hearing is being conducted for environmental purpose. The people who may get affected by the project or the people who stay near the plant area or above mentioned areas were requested to submit verbal/written complaints at this event. The event will be documented and submitted to the concerned government authorities (in Compact disks & documents). Now, I request the Project Proponent to take the presentation further.

Shri Nikhil Zanwar, Territory Manager – Manmad Territory explained the basic purpose of the public hearing meeting. He told that BPCL is listed in Fortune Global list 500 companies. It is an Indian PSU (Public Sector Undertaking). It is also a Navratna company. It is one of the most important & leading company in refined of Petroleum products. BPCL Manmad is a fully automated Petroleum products storage depot.

Further, he informed that, the Plant was established in the year March 1998 on total land of 226 acres. From the total project land, half of the land belongs to Nagapur Village while half of the land belongs to Panewadi Village. In March 2017, BPCL will be celebrating its 40th Anniversary. Speaking in short about this project, BPCL has proposed construction of 1 no. of Ethanol tank with storage capacity of 858 KL and 2 numbers (3,415 KL capacity each) of Biodiesel storage tanks at BPCL Manmad Depot. Total land BPCL having is 226 acres. The construction will be done in the existing premises of BPCL. As per EIA notification 2006, and its amendments thereon the project falls under category B1 and schedule 6(b), hence the project requires prior Environmental Clearance. The cost for the expansion of the BPCL Manmad installation is estimated about Rs. 15.85 Crores. Then, he requested the consultant to present the project details to people.

The Environmental Consultant started the presentation by welcoming the dignitaries and visitors present. He briefed about the purpose of the project that it is being undertaken for storage of different fuels in the storage tanks. This includes total 3 tanks - 1 no. of Ethanol tank with storage capacity of 858 KL and 2 numbers (3,415 KL capacity each) of Biodiesel storage tanks. As per the Government Policies Bio Diesel is important fuel, while Ethanol is also equally important required to blend in Petrol and Diesels. This controls markets fuels demand and supply.

The Environmental Consultant explained that proposed construction of 1 no. of Ethanol tank with storage capacity of 858 KL and 2 numbers (3,415KL capacity each) of Biodiesel storage tanks will be done at BPCL Manmad Depot. The project will enable the storage of Bio Diesel and Ethanol and help to sustain the future market demands. As per EIA notification 2006, and its amendments thereon the project falls under category B1 and schedule 6(b), hence the project requires prior Environmental Clearance. The Terms of Reference (ToR) was issued by the State level Expert Appraisal Committee on 17.06.2016 and the environmental studies in the project study area were done as per the issued ToR.

He informed that, the Project study area includes a 10 KM radial area around the proposed project site. The general topography is studied in the study area like hills, river, valleys etc., The Site elevation is about 575m amsl. The BPCL has a total land area of 226 acres. The Operational Plant area is 133.5 acres and the total green belt area is 74.58 acres, while the Truck Parking area is 16.06 acres. Manmad is the nearest town, while Manmad railway station is the nearest railway station. There are no National parks / Wildlife Sanctuaries, Reserved / Protected Forests, Archaeologically important places, No Defence Installations at a radial distance of 5 KM around the plant. There are no air emissions generated from the project as no manufacturing process is carried out at Manmad Depot. The products like Motor Spirit (Petrol), High Speed Diesel (Diesel) and Super Kerosene Oil (Kerosene) are received through pipeline from Mumbai refinery. The petroleum products are only stored and dispatched to neighboring districts from the depot.

The petroleum products are stored in various types of tanks like underground tanks or above ground tanks. Mainly the products are stored in aboveground tanks. They are of two types - Cone roof type and floating roof type. The Cone roof tanks are used to store Class A type product (example: Motor Spirit, Ethanol). Floating roof tanks are used to store Class A & B products like Motor Spirit, High Speed Diesel, Super Kerosene Oil, Bio Diesel etc. The underground tanks are used for storage of Ethanol. The proposed project has both Cone roof based tanks (for storage of ethanol) and Floating roof type tanks (for storage of Biodiesel). After Expansion, the total Storage capacity of BPCL Manmad Depot will be 344693 KL.

The Power consumption is 1150 KVA which is supplied by nearest substation of Maharashtra State Electricity Board. During Power failure, DG sets are used. A total of 15 CMD of water is required per day which is sourced from Bore well. At present there are 80 nos. of permanent staff working at the Depot.

The environmental parameters and baseline study, Ecological Study was conducted in the project study area. To establish the baseline status of the ambient air quality in the study area, the air quality was monitored at Seven (7) locations like the Project Site, Dodhatane budruk, Nagapur, Panzandao, Bezgaon, Hiswal and Manmad. The maximum and minimum values of Ambient Air and Noise Quality monitoring were mentioned in the presentation. These locations were monitored for PM, RSPM, SO_x, NO_x, Benzene and Total Volatile Organic Carbon. The Results of the monitored data indicate that the ambient air quality of the region in general is in conformity with respect to the norms of National Ambient Air Quality standards (NAAQS) of CPCB, with present level of activities. The Noise levels were within the limits (as per CPCB standards) at these seven locations.

The Six (6) groundwater samples and two (2) surface water samples within the study area were considered for water quality assessment of the study area. The parameters like Colour, pH, TDS, Conductivity, Turbidity, Ammonia, Phosphates etc. were accessed during the study period. The soil quality included parameters like electrical conductivity, Available Nitrogen, Available Phosphorus, Exchangeable Sodium, Organic Matter etc. In the plants survey 'Syzigium cumini', 'Butea monosperma', 'Anthocephalus cadamba' and 'Tectona grandis' were mainly seen. No schedule 1 category animals exists in the project study area.

The environmental mitigation programme was explained in detail. BPCL's Occupational Health and Safety was explained during the meeting. The Fire Fighting facilities present at BPCL were also mentioned. The Emergency Evacuation layout was also shown in the presentation. It was mentioned that all the Fire Fighting Facilities will be as per OISD-117 (Oil Industry Standard Directorate). The safety measures provides at all the utilities and non-utility area were explained. The Emergency Response plan was also explained in detail. The role of Emergency Observer, Chief Incident Controller, Site Incident Controller, Fire Fighting Team, and Rescue Team were explained.

Apart from this, It was also mentioned about the other activities conducted at BPCL: like health checkup camps in the company (for both contractual and non-contractual workers); The Yogaasana training, Safety Induction programmes (for Drivers). Safety Training camps/sessions for whole company and local area people were also mentioned. BPCL CSR activities includes Education support for needy people, Promoting Sports and cultural activities in villages. Providing Sanitation facilities in nearby villages and vocational training to youth in nearby villages.

The project will create business/employment opportunities directly or indirectly. About 20 truck contractors and 50 trucks are to be used permanently at the BPCL. The Project land comes in Nagapur and Panewadi village panchayat. So the taxes paid to them periodically. This has increased the financial gains in both the villages.

As per the Indian Government Policy, the encouragement for use of Bio Diesel and blending of Ethanol is really important thus slowing down the depletion of natural resources and reduce the air pollution. Later, the Regional Officer MPCB informed the visitors to write or to ask for suggestions/queries related to project if any?

Proceedings of the Public Hearing:

Sr. No.	Questions asked by visitors	Answer given by Project Proponent	Directions given by the Committee
1.	<p>Shri Bhausaheb Sayaji Pawar resident of Nagapur requested to check the Borewell Water samples of the borewells located in the company premises. The reports submitted by the industry are not true and demanded cancellation of the license.</p>		<p>The Chairman of the Public Hearing Panel and the Additional District Collector, directed to the Member of the Public Hearing to check the water samples of the bore wells located in the company premises.</p>
2.	<p>Shri. Ashok Pandurang Pawar, I/c. Sarpanch, Nagapur raised the following points.</p> <p>The traffic of the lorries in the area are causing accidents and demanded to give necessary directions to the truck drivers. Ambulance facility is not available to move the people to hospital and demanded to make available the ambulance facility. The management staff is not properly responding to the adjacent residents. The seepages of diesel have contaminated their well water and the said water is neither useful for drinking purpose nor for farming.</p>		
3.	<p>Shri. Rajendra Pawar, Ex-Sarpanch of Nagapur raised following queries:</p> <p>He raised a query regarding contamination of seepages of petrol and diesel in their bore wells and he informed that the results of the bore well water are exceeding the prescribed limits.</p> <p>Secondly, he raised a query regarding smell nuisance of petrol or diesel in the</p>	<p>The Project proponent informed that the samples of soil, noise, air and water are collected in the month of March to June through the consultant. He further agrees for resampling jointly. The representative of the project proponent informed that the soil</p>	<p>The Chairman of the Public Hearing Panel asked the project proponents to clarify the points raised.</p> <p>Further, he raised a query regarding announcement of the sampling to the general public and he directed the project proponent to inform the</p>

	<p>air near about 2-3 kms during night hours.</p> <p>Thirdly, he raised a query regarding the noise from the DG sets. The noise of the DG sets disturb their sleep during night hours.</p> <p>Fourthly, he raised a query regarding air quality which affects the quality of their crops.</p> <p>Further, he requested to ensure the various monitoring carried by the said industry and their results thereof.</p> <p>Further, he informed that Ethanol/ biodiesel project are fruitful for the farmers, which will help to increase the income source of farmers. After establishment of these projects, the people of this area have got jobs and source of income.</p> <p>But, it is not acceptable to decrease the health and imbalance of the environment. He requested to investigate the matter thoroughly and take further suitable decision in the matter.</p>	<p>sampling is carried out as per the guidelines of the Environment, Forest and Climate change Department, Govt. of India and Pollution Control Board.</p> <p>The said study is carried out in the radius of 10 kms. He showed the stamped papers of the Sarpanches of Mohegaon, Hiswal. He also read the names of the farmers.</p> <p>The project proponent informed that 3 DG sets are installed by BPCL. 1 DG is of silent type. The other 2 DGs will also be converted into silent type within a year period.</p>	<p>process to be carried out in the said matter.</p> <p>He asked the project proponent to clarify the action taken/ to be taken to avoid the noise pollution from the DG sets. He informed that the noise pollution problem causing disturbance in sleep is not only question related to BPCL but other OMCs as well and concerned should be directed to take necessary steps to avoid noise pollution from the DG sets.</p>
4.	<p>Shri. Rajendra Pawar, Ex-Sarpanch Nagapur, again informed that the Ethanol and Bio diesel fumes evaporates/ escapes in the environment. The contamination of groundwater will be increased due to addition of other products.</p>	<p>The project proponent clarified that 99% of products are filled in above ground tanks. Only 1 % products are stored in two underground tanks.</p> <p>The tank Farm area is 1 lakh Sq.m which has been designed/ embedded with impervious dyke. There are no chance of seepage</p>	<p>The panel member and Regional Officer, MPCB Nashik informed that the proceedings of the public hearing are recorded and CD and hard copy will be submitted to the Environment Deptt., Govt. of India.</p> <p>He advised to raise queries if any related to this existing or proposed projects or related to the said public hearing.</p>

		<p>of petroleum products in the groundwater.</p> <p>We have proposed to adopt the latest "Vapour Recovery System" to control the escaping petroleum products fumes in atmosphere in due course of time.</p>	<p>He directed the project proponent to inform the public regarding the technology to be adopted for vapour loss.</p> <p>Further, he raised a point regarding sampling done is as per rule or otherwise. If otherwise, he directed to reconduct the joint sampling.</p> <p>The Chairman of the Public Hearing Panel informed that they have taken note of the queries raised. They will take due care to avoid health problems of the adjacent residents and to avoid loss of crops.</p> <p>He advised for sampling in all 3 seasons. He directed to provide ambulance facility which will be helpful in case of emergency/ accidents in the nearby villages.</p>
5.	Shri Pawar, resident of Nagapur, raised a query that respected people and residents of nearby villages are not invited during the fire drills.		<p>The Chairman of the Public Hearing Panel informed to invite the residents of the nearby villages to the fire drill. Further, he advised to give due respect to the concerned so as to avoid the further consequences. Due care should be taken to avoid the health hazards and loss of crops.</p>
6.	One villager raised a query that due to this project whether land will get affected.	The project will be constructed within the premises of the company, hence no extra	

		land or land acquisition will be required.	
7	<p>Shri Dattu Shinde, resident of Panewadi village raised following queries:</p> <p>a) Asked about the odours of ethanol in the surrounding and disposal of solid waste.</p> <p>b) The effluent is treated or discharged directly in the river</p>	<p>Tank bottom sludge is removed once in 5 years and it is disposed through PCB approved vendors.</p> <p>The plant has oil and water separator. The plant extracts all the oily products from the water and the water is used for gardening purpose.</p> <p>The rain water harvesting arrangement are provided.</p>	
8.	One villager raised a query regarding stored water is utilized for plantation and the seepages of the same contaminates the well water. So, requested to stop the said practice.	The project proponent replied that Rain water harvesting is a government initiative and is provided as per the rules.	
9.	One villager raised a query regarding the water scarcity due to storage	The project proponent informed that water is not discharged outside the plant premises. We can test it for your satisfaction.	
10.	<p>Mr. Pawar raised a query regarding purchase of drinking water from outside rather than consuming the drinking water from the sources available in the plant.</p> <p>Further, he informed the lacunas in rain water harvesting system as rain water is getting contaminated as the drainages outside the roads are also connected together and diverted in rain water harvesting chamber.</p>	The project proponent clarified that only the rain water is harvested and rain water is not allowed to mix in the rain water harvesting pond.	<p>The Chairman of the Public Hearing Panel directed to depute Taluka Agricultural Officer to carry out the inspection of 3 companies to check the rain water harvesting system, plantation etc. effective for pollution control or otherwise. The water harvesting team will visit. Expert people will be contacted with the industry so as to check properly and to finalize the subject.</p> <p>The panel members</p>

			requested to submit the queries if any so as to accept and communicate the concerned.
11.	One of the villager asked about the water requirement for the new project and permissions obtained thereof		The members of the public hearing panel informed that this is only a POL storage project. No extra water will be required for the proposed expansion.

The convener "Shri A J Kude" concluded the public hearing and informed that the proceedings of the public hearing are video recorded and CD (compact disks) and hardcopy will be submitted to the MoEF and he thanked all present in the said public hearing on behalf of MPCB and concluded the proceedings of the public hearing with Vote of Thanks to the Chair.



(Shri A J Kude)
Convener
and
Sub Regional Officer
M.P.C. Board, Nashik



(Shri R U Patil)
Member
and
Regional Officer
M.P.C. Board, Nashik



(Shri Dilip Swami)
Chairman
and
Additional District Collector,
Malegaon