

MINUTES OF ENVIRONMENTAL PUBLIC HEARING IN RESPECT OF NANDI AGATE MINE (LEASE AREA : 14.04 HA., NON FOREST PRIVATE LAND), SURVEY NO. 74, 75, 76 & 77, VILLAGE NANDI, TEHSIL: AMBAD, DIST: JALNA CONDUCTED ON 28/03/2016 AT 11.30 A.M. AT THE PROPOSED PROJECT SITE AT SURVEY NO. 74, 75, 76 & 77, VILLAGE NANDI, TEHSIL: AMBAD, DIST: JALNA.

An environmental public hearing in respect of Nandi Agate Mine (Lease Area : 14.04 Ha., Non Forest Private Land), Survey No. 74, 75, 76 & 77, Village Nande, Tehsl: Ambad, Dist: Jalna proposed by Shri Sunil R. Bilawar, 21, Nandadeep, Co-operative Housing Society, Govind Nagar, Station Road, Aurangabad was conducted on 28/03/2016 at 11.30 a.m. at the proposed project site at Survey No. 74, 75, 76 & 77, Village Nandi, Tehsil: Ambad, Dist: Jalna.

Following members were present during the public hearing :

1. **Dr. N.R. Shelke,**
Additional District Collector, Jalna,
Dist: Jalna. Chairman.
2. **Shri D.B. Patil,**
Regional Officer,
MPCB, Aurangabad. Member.
3. **Shri S.M. Kurmude,**
I/c 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 **Mrs. Yogini Balankhe**, Field Officer, MPCB, Jalna. **Shri S.M. Kurmude**, I/c Sub-Regional Officer, MPCB, Jalna and Convener of the Public Hearing Panel with the permission of the Chairman of Public Hearing Panel narrated the procedure to be followed for obtaining environmental clearance from Government of India by explaining the provisions of the MoEF 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 project right from the date of receipt of application for conducting Public Hearing till fresh notice issued by MPCB in the local newspapers Daily Sakal dated 25/02/2016 and Daily Lokmat Times dated 27/02/2016. He stated that as per the said notification, some specific Projects require Environmental Clearance from the Central Government and the proposed project of **Agate Mineral – 12000 Tons/Year of Nandi Agate Mine (Lease Area : 14.04 ha., Non Forest Private Land)** falls under the said Notification, hence it is necessary to conduct the public hearing for the said project. He further stated that MPCB office at Aurangabad and Jalna has received some suggestions through e-mail on 08/03/2016 from **V. Sunanda Reddy** from Nalgonda district and on 28/03/2016 from **H. Madhubhau** from Hyderabad regarding the proposed project. **Mrs. Balankhe** read the said e-mails wherein certain suggestions made from the point of view of ecological balance and development of the project, which are like to collect

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the data regarding status of health of people, crop production and ground water availability within the radius of 10 km. of the said project, to take the mining activity hectare by hectare which will be convenient for land filling, plantation and/or for rain water storage, to construct water harvesting structures, which will be useful for increase in ground water level as well as other usage, to take up the plantation upto 45% to 50% instead of 33%, avenue plantation and to consider fruit bearing plants, medicinal plants, to give priority for the education and employment for local people with training to unemployed youth, to provide medical facility, drinking water to the nearby villages, to form a Co-ordination Committee of villagers, officials from the project, Govt. and PCB for necessary planning and action of CSR, to take necessary steps for the control of air, water and sound pollution, etc. Thereafter, she requested the Project Proponent with the permission of the Chairman of Panel to brief the presentation of their proposed project.

Thereafter, **Shri Rajendra Korde**, the Project Consultant from Anacon Laboratories Pvt. Ltd., Nagpur started the power point presentation of the proposed project and stated that the area of Nandi Agate Mine is 14.04 ha. which is located in Ambad Tehsil of Jalna district and for starting the said project, they have carried out the study within the radius of 10 km. of said project. He stated that Anacon Laboratories Pvt. Ltd. is NABL accredited and MoEF recognized consulting laboratory and in mining, the Ministry of Environment & Forests (MoEF) has made provision for them to work as per Category 'A'. Lease was granted to the proposed Nandi Agate Mine in the name of **Shri Sunil Ramsingh Bilawar** for a period of 20 years, i.e. from 10/10/2006 to 09/10/2026. The proposed production capacity of Mineral Mine is 12000 Ton/Year and as the area of mineral mine is more than 5 ha. and less than 50 ha., the proposed project falls under Category 'B' for which TOR has been issued as per 92nd meeting of SEAC, Environment Department, Government of Maharashtra conducted on 22nd & 23rd December, 2014. He stated that as per the TOR, they have carried out the study within the radius of 10 km. of the proposed project with respect to air, water, sound, soul, etc. during the period from March, 2015 to May, 2015 and submitted the EIA/EMP report to the MPCB. He pointed out that as per the amended Notification issued by MoEF, GOI, the proposed Mining Project falls under Category 'B2', hence it is not necessary to conduct the public hearing for the said project, although, he stated that they will comply with the rules of the Environment Department, Government of Maharashtra.

While briefing about the mining activity, **Shri Korde** stated that the depth of excavation work will not be more than 50 ft. and this work will require a period of about 4.5 years, and further they have made the provision to level the said land so that it can be made fertile He further briefed the salient features of the mine which are as Method of Mining – Manual Open Cast Mining, Area – 14.04 ha., Proposed Production – 12000 TPA, Mineable Reserves – 936565 Tonnes, Life of Mine – 78 years, Bench Height & Width – 5 m. (each), Drilling & Blasting – 34 mm dia jack hammer drill holes and controlled blasting using delay detonators, Maximum Depth of Mining 15 m. BGL, Topsoil Thickness 0.5 m, Ultimate Pit Slope Angle – 45°, Elevation Range – 528 to 538 m above MSL. He stated that the total water requirement for the proposed project for various purposes like tree plantation, sprinkling, etc. will be about 5000 Ltr/day which will be made available from well water mine pit water (when available). He stated that the suggestions made by both **Mr. V. Sunanda Reddy** and **Mr. H. Madhubhau** will also be taken into consideration He stated that they have carried out the geological survey of the area and observed that the water table is at 12 – 15 m below ground level and as there is basalt

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rock in the area, the water will get from such area as well as low lying area. Ground water may be taken in use during the fourth year of mine working. The agate produced from the mine will be transported to the user industries through trucks covered with tarpaulin. He stated that the solid waste generation from the proposed project will be in the form of soil and over burden to the tune of **5067 cu.m.** and **15703 cu.m.** respectively for which necessary arrangement of collection and storage will be made near the mining pits. The requirement of electricity for the said project will be fulfilled from the MSEDCL. The total manpower required for the said project will be **15 Nos.** He stated that the details regarding existing and proposed land use patten in the mine lease area are shown in the presentation.

Shri Korde further briefed about the existing environmental scenario and stated that the wind direction is from North to South-East in the area. There are **9** villages in the radius of **10** km. of the said project, namely Nandi, Kingaon, Dhangar Pimpalgaon, Siradhan, Bhiwandi, Bodkha, Kingaonwadi, Mardi, Lamani Tanda, etc. where they have carried out the noise level monitoring and put up the detail report. They have also carried out the geological survey of the area and the detail report regarding water level before and after monsoon is submitted to the SEAC, GOM and MPCB. The ground water quality in the area is monitored and observed that the pH of the water in said area is in the range of **7.53** to **8.19** as against the norms of **6.5** to **8.5** prescribed under the ISO 10500:2012 and therefore the water in the area is good and can be used for domestic purpose. The surface water in the area is also good but it needs primary treatment and disinfection before using for domestic purposes.

He further briefed about the biological environment and stated that there are **6** Nos. of reserved forests within the radius of **10** km. of the project, which are located at different directions viz. near village Nandi – **0.3** km. (E), Salai Dongar – **1.3** km. ((SW), Hasta Pokhari – **4.7** km. (NE), Sirner – **5.8** km. (S), Tukai Dongar – **6.7** km. (W) and Mahadev Dongar – **8.0** km. (SE). The land of the proposed Agate Mine is a private agriculture land without any reserved forest. The trees observed along the mine area and agriculture land are Kadunimb, Babhul, Khair Babhul, Hiwar, Shevga, Bor, etc. He stated that one Masjid is observed along the project site for which they have proposed to develop green belt so that there shall not be any adverse effect on the Masjid as well as nearby residents due to the proposed project. The mining work will be started only on **2** to **2.5** hectares initially upto **5** years and not on the total land of **14** hectares, hence more land will be open in such a way step by step mining work will be undertaken. The main crops taken in the area are mainly Jowar and Cotton and the major horticulture crops are Sweet Lemon & Pomegranate. The animals like Field Rat, Mongoose, mammals like Jackal, Wild Cat, Squirrel, Rabbit, Monkey, etc. reptiles like Rat Snake, Russell;s Viper, Cobra, lizard, etc and the birds like Parrot, Crow, Pigeon, Koyel, etc occur in the area, which are recorded in the report.

He stated that the details regarding land use and cover classification are shown in the presentation. He stated that the concentration of heavy metals like Cadmium, Chromium, Lead, Cobalt and Selenium in the soil was observed very negligible. The organic matter and organic carbon was found in the range of **0.81** to **1.20%** respectively. Overall the soil quality in the area found as poor to medium fertile with moderate productivity.

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While briefing about the socio-economic environment, he stated that there are **38** villages in the study area, where the total population is **93132** souls which includes **47568** Nos. of male & **45564** Nos. of female persons. He stated that a detail information in this behalf is included in the report.

Shri Korde further stated that they have carried out air quality modeling in the study area and put up a detail report including anticipated environmental impact and mitigation measures to be taken thereof. He stated that there are some sources for noise pollution, like drill machine, excavator, transporting vehicle, compressor, etc for which also they have carried out the study regarding noise level in the area and found that there will be no adverse effect due to the proposed project. However, for control of noise pollution, certain measures proposed are to conduct the mining activity during day time only and not in night time, to use sharp drill bits for blast hole drilling, to adopt controlled blasting with optimum charge/delay, to develop green belt/plantation around the mining activity area, to develop **50** mtr. wide green belt along the Masjid and Madarsa and to monitor noise level regularly near the mining area as well as nearby villages.

He stated that there will be no generation of any industrial effluent from the mining activity. For the treatment of domestic effluent, septic tank and soak pit will be provided. The spent/used oil generated will be collected in a leak proof container and then will be sold to the authorized reprocessor. The damaged/rusty parts of the machines after proper collection and storage will be returned to the concerned manufacturing company or sold to the authorized recycler. To avoid adverse effect on land use, green belt will be developed around the mining area.

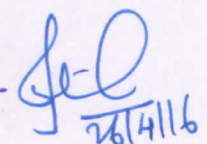
As far as tree plantation is concerned, **Shri Korde** stated that **1200** plants per hectare will be planted in the safety zone area of **7.5** m. due to which the plantation will be on **3.31** hectares of mining area. The tree plantation programme will be undertaken as **1200** plants in 1st year, **1200** in 2nd year, **600** in 3rd year, **600** in 4th year and **370** plants in 5th year, likewise total **3970** plants will be planted which include various varieties like Arjun, Neem, Palas, Ber, Boganwel, Goldmohar, etc.

While briefing about the anticipated impact and mitigation measures thereof, he stated that they have considered for providing infrastructures for the civilians/villagers. As a part of basic development, the maintenance of existing as well as new roads in nearby area will be done due to which transportation will be improved. As a social responsibility, they have proposed to provide furniture, books, etc. to the primary school, to develop roads, to give donation for improvement in public buildings, to organize regular medical camp, sports, cultural programmes, to give scholarship to the SC/ST students for higher education, to provide financial assistance to the unemployed youths those are interested in commercial training, to construct toilets and to assist for the development of safety infrastructures in the nearby villages.

He stated that they have made the provision of Rs. **12.35** Lacs towards environment management and implementation which includes green belt development, air quality, water quality, noise level monitoring, land vibration, water sprinkling system, etc.






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While briefing about the conclusion, he stated that Nandi Agate Mine will develop the nearby villages, to avoid the environmental impact on the surrounding environment, the dust emission, noise level, etc. will be controlled as per the permissible norms, regular practice of protective equipments will be carried out to control the pollution and proposed Group Welfare Scheme will be adopted to improve the socio-economic condition in the nearby villages. He stated that there will be positive impact/effect and improvement in the socio-economic conditions of the nearby village due to Nandi Agate Mine and then he concluded the power point presentation of the proposed project.

After concluding the power point presentation by the Project Consultant; **Shri D.B. Patil**, Member with the permission of Chairman of the Panel requested all the public participants that if anybody is having any doubt, suggestions, objection, etc. about the said project, same can be expressed by telling their name and address. During the course of public hearing, the panel members and public participants raised certain questions related to the said project and same were answered by the Project Consultant, which are as below :

1. **Shri Sandu Vitthal Dongare**, a farmer of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that his Gat No. is **75**, he has not made any agreement with the Project Proponent in the year 2006 and the Project Proponent has deceived him by adopting false procedure and today he is in the position to commit suicide. He said that nobody gives loan to him, he asked that what shall be done in such a situation and then requested to give justice to him.

Mrs. Balankhe requested the public participants to raise the views/questions related with the environment only.

2. **Mr. Imam Tara**, a farmer of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that the Project Proponent has deceived them by taking their thumb impression, hence he requested to return their land to them.
3. **Mr. Abdulla** , a farmer of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that he is uneducated, the Project Proponent has deceived them by taking their thumb impressions.
4. **Shaikh Munir Shaikh Bhikan** a resident of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that they are the uneducated persons and they are not aware of the procedure adopted by the Project Proponent as they do the labour work. He further stated that when they approached the Rohilagadh Bank for getting loan, the Bank Authority told them that unless the matter of Agate Mine is cleared, the Bank will not release any loan to them.

Shri Kurmude, Convener stated that the proposed project is located at Gat No. **74, 75, 76 & 77** and asked whether the land of anybody is located in said Gat Numbers. Then, the following persons reported regarding the location of their land in the said area as **Mr. Abdulla** (Gat No. **74**), **Shaikh Munir** (Gat No. **76**), **Sandu Vitthal Dongare** (Gat No. **75**) & **Sakharabai Vitthal Dongare** (Gat No. **75**).

Shri Kurmude Shri D.B. Patil
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5. **Sayyad Mansoor, Sayyad Rasul**, a resident of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that his land is located in Gat No. 76, he has purchased the land in the year 2011. He stated that the material from excavation work was already dumped in his field at Gat No. 76 from where he lifted the said material and dumped it at his another farm located at Gat No. 216 for which a case has been filed against him (in the court of law).
6. **Sayyad Huzur Sayyad Daulat**, a resident of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that his land is located at Gat No. 76.
- During the course of Public Hearing, most of the farmers those were present have stated that their thumb impressions are taken, they have not received any money against their land, the Bank does not give loan to them and it is the time for them to commit suicide, hence they requested to take care of them so that they can get return their land.
7. **Sayyad Chand Usman**, a resident of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that his land is located at Gat No. 74.
8. **Shaikh Kadu Shaikh Bhikkan**, a resident of nearby village Nandi, Tq. Ambad, Dist: Jalna stated that his land is located at Gat No. 76, the Project Proponent has taken his signature on blank Stamp Paper and carried out wrong procedure, hence he requested to return his land with clear 7/12 abstract.

Mrs. Balankhe asked the public participants whether anybody would like to speak about environment, but the residents and farmers present during the public hearing said 'No'.

Then, **Shri D.B. Patil**, the Regional Officer, MPCB, Aurangabad & Member of Public Hearing Panel asked about the water sprinkling arrangement. **Shri Milind Kundal** from Anacon Laboratories Pvt. Ltd. reported that there will be two mobile tankers for water sprinkling purpose. **Shri Patil** further asked regarding the location of Ambient Air Quality Monitoring Station to be installed. It is reported by **Shri Kundal** that the AAQM Stations will be installed as per the conditions of the Environmental Clearance. He also reported that some AAQM Stations will be installed in the nearby area like village Nandi, etc. **Shri Patil** also asked about the installation of Continuous Ambient Air Quality Monitoring Station, but **Shri Kundal** stated that no CAAQMS will be installed because there will be very less impact of such small mine having capacity of 12000 TPD. After asking by **Shri Patil** about the timings of blasting, **Shri Kundal** reported that the blasting timings will be between 12.00 noon to 02.00 p.m. **Shri Patil** further asked about the amount towards CSR and it is reported by **Shri Kundal** that it is Rs. 2 Lacs per year. **Dr. Shelke**, the Additional District Collector, Jalna & Chairman of Public Hearing Panel clarified that it will be 2%. **Dr. Shelke** asked about the calculated distance from mining area to the nearby human habitation, i.e. Masjid and Madarsa and it is reported by **Shri Kundal** that it is 200 mtr. and the mining activity will be carried out at the extreme corner. He also clarified that they have kept safety barrier of 50 mtr. in which no mining activity will be carried out, only proper plantation will be carried out at the said area and it they propose to work near to Madarsa, then controlled blasting will be carried out after

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50 mtr. After asking by **Dr. Shelke** about road distance, it is reported by **Shri Kundal** that it is 175 mtr. approximately.

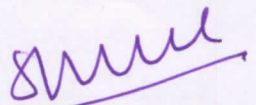
Shri S.M. Kurmude & Mrs. Yogini Balankhe again asked whether anybody is having any question related with the environment, but nobody raised their hands.

Thereafter, **Dr. N.R. Shelke**, the Additional District Collector, Jalna & the Chairman of Public Hearing Panel stated that he is thankful to the people those have attended the Public Hearing conducted for Nandi Agate Mine and asked questions and then he concluded the Public Hearing.

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


(D.B. Patil)
Member.


(S.M. Kurmude)
Convener.


(Dr. N.R. Shelke)
Add. Collector, Jalna
Chairman.