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PROCEEDINGS OF THE PUBLIC HEARING MEETING FOR THE MINING OF KALACHUA HILLOCK STONE QUARRY (CLUSTER-3) AT- DANGARAPADA & SANTARAPUR VILLAGES OVER AN AREA 49.840 HACTRE UNDER BEGUNIA TAHASIL, DIST- KHORDHA OF SHREE JAGANNATH TEMPLE ADMINISTRATION, PURI, HELD ON DTD.10.09.2020 AT 10.30 AM AT - JATIANI DEVI TEMPLE CAMPUS, DANGARAPADA IN THE DISTRICT OF KHORDHA, ODISHA

The public hearing meeting for Kalachua Hillocks Stone Quarry (**Cluster-3**) for mining of Building Stone/Road Metal located at Dangarapada & Santarapur villages covering an area of 49.840 Hactre was conducted on dtd.10.09.2020 at 10.30 A.M. at Jatiani Devi Temple Campus premises at Dangarapada of Begunia Tahsil in the District of Khordha. Sri Anuj Kumar Das Pattnaik, Additional District Magistrate, Khordha presided over the meeting. Dr. Rebati Kanta Mishra, Environmental Scientist of Regional Office, State Pollution Control Board, Bhubaneswar organised and conducted the public hearing meeting.

The Public hearing in respect of the above mining activities was held as per the scheduled and at the venue in accordance with EIA Notification No.S.O.1533(E) dtd.14.09.2006 and subsequent amendment there under. The public hearing meeting with regard to date, place and time was announced in the public address system apart from its publication in local dailies i.e in odia daily "Dharitri" dtd.07.08.2020 and English daily "The Times of India" dtd.07.08.2020. The process those were followed for the public hearing was adequate. The attendance sheet of the public present in the public hearing meeting is annexed herewith in **ANNEXURE-I**. Around 120 nos. of persons had attended the public hearing meeting and 83 Nos. of persons have signed in attendance sheet. Four nos. of persons had delivered their views whose list and their signature are given in **ANNEXURE-II**.

At the outset Dr. Rebati Kanta Mishra, Environmental Scientist had welcome all present in the meeting and briefly described the objective, processes and procedures those have been followed for conducting such public hearing. He had

also briefed about the objectives of conducting the Public hearing as per the EIA Notification No. S.O. 1533(E) of Dt.14th September 2006 of the Ministry of Environment & Forest & Climate Change (MoEF CC) Govt. of India and also gave detail about the proposed mining of Building / Road metal stone quarry (49.840 Ha). He had also intimated that the date, time & venue of Public Hearing has been announced to the public in the surrounding villages by public address system.

Sri Anuj Kumar Das Pattnaik, Additional District Magistrate, Khordha had welcomed the Public and explained about the importance of such hearing and also invited views, comments, objections & opinions of the public which are necessary while considering the environmental clearance of the project and also those who want may give their written statement about the proposed projects. He had also reminded / requested the public to follow the COVID-19 guidelines on wearing the mask and on maintaining the social distance that has been directed by the Government during the Public hearing.

The Additional District Magistrate, Khordha had invited Deputy Administrator, Shree Jagannath Temple Administration, Puri to deliver his views about the proposed mining project. Sri. Behera, Deputy Administrator had highlighted about the plan, proposal, guidelines to be followed during operation of mines Cluster over the Kalachua Hillock(Cluster-3) by the Lessees.

Sri Ashok Kumar Beuria, Sub- Collector, Khordha had also addressed the gathering and had highlighted about the proposed mining Hillock and Environment issues to be envisaged during the mining.

After that Additional District Magistrate, Khordha had invited the representative of the consultant, M/s. Kalyani Laboratories Pvt. Ltd., Bhubaneswar who had also briefed about the proposed mining activities for production of Building Stone/ Road metal, salient features of the proposed project and Environmental Management Plan, Pollution Control Measures to be adopted during mining operation, Plantation Programme and various other peripheral development activities etc. to be carried out during the course of mining.

Details of the Project :-

The brief outline of the Environment Impact Assessment (EIA) and Environment Management Plan (EMP) has been carried out for Kalachua Hillocks (Cluster-3) by M/s. Kalyani Lab. Pvt. Ltd., Bhubaneswar which is coming under ownership of Lord Shree Jagannath Temple Administration, Puri over an Area of 49.840 Hactres located in Villages/ Mouza of Dangarapada and Santarapur (under Begunia Tahasil) of Khordha District, Odisha.

Project outline:-

The Cluster-3 (Kalachua Hillock) is located within the revenue jurisdiction of Dangarapada and Santarapur Villages of Begunia tahasil of Dist.- Khordha.

The Salient features of the said road metal & Building Stone Quarry is as follows:-

- a) Cluster-3 zone is existing with few vegetational areas and without human habitation.
- b) Method of mining will be of open cast Semi Mechanized method an loosening of rock mass will be done by drilling and blasting.
- c) During 10 years of Plan period the level of mining production will be maximum of 58,00,000 Cum of building stone / road metal from Cluster-3.
- d) The Soil to be extracted will be stacked in the earmarked area, which will be used for plantation purpose around hillock/ patch and adjacent to the haul roads.
- e) Approx. 30% of the mining waste during the mining tenure will be utilized for making of mine road and allied infrastructure development by the Lesses.
- f) Approx. 20% of the waste will be transported to be nearby crusher site along with valuable building stone or road metal.
- g) The topography survey reveals that the Cluster-3 (Kalachua) Hillock is featured in Survey of India Topo-sheet No.73H/12 and bounded between

latitude 20° 05'41.45"N to 20° 06' 12.41"N and longitude and 85° 30' 28.63"E to 85°30'53.44"E.

h) Cluster-3 is Located at a distance of 20 Km from District Head Quarter, Khordha.

i) The major drainage of the area is contributed by Daya and Bhairabi river.

There is no seasonal nala flowing within the lease area.

The cluster area does not contain any features, any archeological / historical and cultural importance.

ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN:-

A. Impact on Land environment and Land use:

Due to open cast mining and construction of permanent infrastructure and mining with dumping of waste, the land of the area usually degraded. Mining activity has a profound impact on land environment due to formation of quarries and dumps.

- The mining activity will not have any significant impact on the agriculture within the lease area.
- The topsoil in the active mining area will be adversely affected. However during the mining operation the top soil will be scraped out and separately kept for plantation purpose.
- The mine runoff in this mine is not contaminated except carrying high suspended solids.
- The mine runoff will only contain silt and soil will be settled before discharge to outside of the lease area.
- There is also positive impact of mining on agriculture, as sufficient water is being discharged from the mine, which can be utilized for irrigation purpose, increasing the productivity.

Mitigation Measures

Adopting suitable, site-specific mitigation measures can reduce the degree of impact of mining on land environment. The proposed mitigation measures are as follows:

- The top soil scrapped during the land development stage of mining will be properly stored and will be utilized for plantation programme.
- Runoff from the mine and waste dumps should be regulated by constructing retaining wall and garland drains around the dump.
- Mine drainage water will be settled in the settling tank and stored in the abandoned quarries
- Garland drains and retaining wall will be provided to prevent run off affecting the surrounding agricultural land.

B. Impact on Air Quality and Mitigation Measures:

The impacts on air quality due to the proposed mining cluster are as below:

- Dust from excavation and mining of stone.
- Loading, unloading and screening.
- Vehicular movement on the haul roads.
- Water sprinkling on mining quarry, dumping area and haul road during dry wind periods, using a water tanker.
- Dust emissions due to vehicles can be minimized by avoiding spillage from the loaded trucks.
- Top soil or overburden is susceptible to wind erosion having speed more than 5 m/sec.
- Water sprinkling on the top soil and over burden dump to reduce wind erosion.
- Dust catching species like Cassia fistula, Bombax ceiba, Azadirchta indica, Nyctanthes arbor-tristis, Psidium guajava, tectonagrandis etc will be planted as green belt development.

C. Impact on Noise Quality and Mitigation Measures

The proposed mining will be an open cast semi mechanised type. In this open cast mining the various sources of noise in the area are attributed mainly because of vehicular traffic.

The mitigation measures for noise are as below:

- Development of green belt in the lease boundary which acts as a barrier for noise abatement
- The noise generating machineries will be properly maintained
- The workers will be provided with proper Personal Protective Equipments (PPEs) to minimize the occupational exposures of noise.

D. Impact on Water Quality and Mitigation measures

There is no seasonal or perennial nala found within the lease area, so there is no shifting of water course due to mining activities. The mining activities can cause adverse impacts due to mine drainage, siltation due to storm water & contaminated water from lease quarry area. Water shall be used for afforestation, washing and domestic purposes. 25 KLD of potable water will be required from which 10 KLD of water will be required for drinking & domestic purpose. 5 KLD of water is suggested to be utilized for dust suppression and 5 KLD for plantation purpose.

There is chance that during monsoon the run-off water may find access to some of the quarries in the Cluster-3. Therefore, it is proposed to keep one 5 HP diesel operated pump at each quarry site, particularly during monsoon to draw out the accumulated water from the quarry.

Mitigation measures

- Garland drains settling tank and check dam will be constructed along individual mining lease area.
- There will be no waste water generated due to the mining activity. The domestic effluents being generated will be discharged to soak pits through septic tank.

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- The abandoned pit will be converted to rain water storage tank and the storage rain water stationed in the pit will be utilized for plantation as well as dust suppression.

E. Impact on Vegetation and Mitigation measures:

The mining lease area of Cluster 3 mines is covered by few shrubs. The land use pattern of the area is mainly agricultural land. There is little herbaceous vegetation and scrub vegetation exists within the lease area which will be removed with the execution of the mines.

Plantation of about 1361 saplings will be done along the boundary, road side and on the existing dump area.

F. Impact on Socioeconomic Conditions:

The proposed project shall have major beneficial and more or less negligible adverse impacts on the following domains.

- a. The project will create employment opportunities for the local inhabitants. The project will contribute direct employment scope for about 1900 persons for this mines project including skilled, semi-skilled and un-skilled mine workers, supervisory staffs, mining engineers, Mines manager, surveyors etc.
- b. The project activities shall create awareness with the local people for preferring permanent services than periodical agricultural activities.
- c. Further there will be infrastructural development in the area due to the proposed project.
- d. For occupational health and safety Personal Protective Equipments (PPEs) will be provided to the workers and regular health check up of the workers will be carried out.

Then Sri Anuj Kumar Das Pattnaik, ADM (Revenue), Khordha had requested the public to give their views, comments, opinions and objections on the proposed mining of Building Stone and Road metal quarries of Talchua Hillock.

The views expressed by various speakers on the proposed project are as follows:

- 1. Mr. Manas Ranjan Bahubalendra (President Dangarapada, Gramaya Committee):-** Sri Bahubalendra expressed his greeting to the Chair and the Officials of District Administration those who were present on the dias. He welcome the proposal of mining activity to be carried in their area and besides that on behalf of the villagers he had put forth following suggestions before the Additional Dist. Magistrate & Deputy Administrator of Shree Jagannath Temple Administration to look after the issue relating to peripheral Development around Kalachua Hillock that the Agricultural Lands to be protected, restoration of Gramya Jungle, Proper maintenance of road connecting from main road to Hillock side for smooth Transportation of metal. He also emphasised lighting on both side of material Transport of road from main road to quarry area. He had expressed for constitution of a joint Co-ordination Committee by taking representative of villagers, District Administration, Shree Jagannath Temple Administration, lessee, Forest Dept. etc. to look after the issue. Also he had pointed out Demarcation of lease area with Cement Pillar in presence of Villagers and no wagon Drilling should be under taken during mining activity and Noise to be controlled during blasting within stipulated standard by the Lessees. He also pointed out the Lease holder of the Quarries should be careful for restoration fruit being plants during mining activity and he had also requested to the District Administration that the rate of the mining boulders to be fixed as per rules of Mining Dept. Govt. of Odisha. He had also noted that the unnecessary elements and activities during mining period to be completely stopped and in and around Quarry area forest cover to be developed by the Lessees. Also Irrigation facility to be provided to the Patita Kisam land throughout the year and in each village health care Centre and Veterinary hospital facility to be

provided. Lastly he had pointed out that one community Hall to be set up near Maa Jatiani Devi Temple campus for holding of any meeting by the villagers as and when required.

2. **Dr. Bijaya Chand Pradhan, Dangarapada:-** Sri Pradhan had welcome that the quarries should be leased out which belongs to Lord Shree Jagannath Temple Administration with regard to collection of revenue but he raised the point that who will be held responsible and to whom they will put forth their grievances if there will be heavy Ambient noise during blasting process of the quarries and when that is creating cracks on the wall of the nearby houses. These issues should be properly taken care of by the District Administration.
3. **Mrs. Rangi Biswal** is too old to give her speech on the dais but she had handed over a representation on the dais (Annexed)
4. **Mr. Ramesh Chandra Samantray, Samantarapur :-** Sri Ramesh Chandra Samantray had spoken that due to mining activity the trees are destroyed by the Lessees on the Lord Shree Jagannath Temple Land and nearby area which should be stopped. He also expressed various issues further as follows. The deep blasting should be checked / prevented for which cracks are being developed on the walls of the houses nearby inhabitants. The proper blasting procedure to be adopted during mining activity. Mafia activities by the Miscreants to be curbed by District Administration. The road connecting from main road to quarry site to be properly upgraded by District Administration.

Four persons had put their name out of which three persons had deliberated which is as per Annexure-II having Serial No.1, 2 & 4.

After the deliberation were made by the Public the summary of the views with concerns of the Public with Minutes of the Public hearing meeting were read out in Odia Language by the Dr. Rebatu Kanta Mishra,

Environmental Scientist of Regional Office of the State Pollution Control Board, Odisha, Bhubaneswar.

The project proponent was invited to offer their views on the issues raised by the public. Then Deputy Administrator of Lord Shree Jagannath Temple Administration, Puri and their Environment consultant placed their views replying to the issues raised by the public.

The summary of the views and concerns of the public and the commitment made by the project proponent in Odia language and English language are annexed as **Annexure-III & IV**, respectively.

2 ~~Six~~ numbers of representations have been received during the public hearing meeting which are annexed herewith as **Annexure-V**.

At the closing of the meeting Additional District Magistrate, Khordha thanked the Public for their patient hearing and their participation in the deliberations and for concluding the meeting in a peaceful manner.

The video recording of the entire proceeding of the meeting is placed herewith.

Finally the meeting ended with a Vote of thanks to the chair and all participants present in the meeting.



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Environmental Scientist
Regional Office of State Pollution
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Sri Anuj Kumar Das Pattnaik
Additional District Magistrate,
(Revenue), District Khordha