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PROCEEDINGS OF THE PUBLIC HEARING MEETING FOR THE MINING OF DHANIA, SANKHARI AND TANGENI HILLOCK (CLUSTER-I) AT- KAIPADAR VILLAGE OVER AN AREA 96.597 HACTRE UNDER TAHASIL AND DISTRICT KHORDHA OF SHREE JAGANNATH TEMPLE ADMINISTRATION, PURI HELD ON DTD. 08.09.2020 AT 10.30 AM CONDUCTED NEAR KAIPADAR G.P OFFICE, KAIPADAR IN THE DISTRICT OF KHORDHA, ODISHA

The public hearing meeting for Dhania, Sankhari and Tangeni Hillocks Stone Quarry (**Cluster-I**) for mining of Building Stone/Road Metal located at Kaipadar village covering an area of 96.579 Hectre was conducted on dtd.08.09.2020 at 10.30 A.M. at Near Kaipadar G.P Office, Kaipadar, Tahasil and District of Khordha. Sri Anuj Kumar Das Pattnaik, Additional District Magistrate, Khordha presided over the meeting. Dr. Binod Bihari Dash, Regional Officer 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 "The Samaj" dtd.06.08.2020 and English daily "The New India Express" dtd.06.08.2020. 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 250 Nos. of person had attended the public hearing meeting and 204 Nos. of persons have signed in attendance sheet. Seven nos. of persons had delivered their views whose list and their signature are given in **ANNEXURE-II**.

At the outset Dr. Binod Bihari Dash, Regional Officer 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 (96.597 Ha). He had also intimated that the date, time & venue of Public Hearing has been announced to the public surrounding villages by public address system.

Sri Anuj Kumar Das Pattnaik, Additional District Magistrate, Khordha had welcomed the Public & 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.

Then 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 Dhania, Sankhari & Tangeni Hillock(Cluster-I) 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 Dhania, Sankhari & Tangeni Hillocks (Cluster-I) by M/s. Kalyani Lab. Pvt. Ltd., Bhubaneswar which is coming under ownership of Lord Shree Jagannath Temple Administration, Puri over an Area of 96.597 Hecters located in Villages/ Mouza of Kaipadar (under Kaipadar Tahasil) of Khordha District, Odisha.

Dhania, Sankari and Tangeni stone quarry (Cluster 1) over an area of 96.597 Ha is an opencast semi- mechanized mine situated in the village Kaipadar, Tehsil Khordha, District Khordha, Odisha. This cluster comes under ownership of Shree Jagannath Temple administration, Puri and accordingly, quarry leases for Building stone/ Road metal comprising 30 nos. of lease areas covering a total mineralised area of 238.691 Acres or 96.597 Hectares located in village/Mouza Kaipadar of Tahasil & District Khordha, Odisha have been proposed to be leased out.

Cluster-1 has been further sub-divided in to three sub-clusters, viz., Cluster- 1A (Tangeni) comprising of mineralised area of Tangeni hillock over 10.885 Ha, Cluster- 1B (Sankhari) comprising of mineralised area of Sankhari hillock over 33.428 Ha and Cluster-1C (Dhania) comprising of mineralised area of Dhania hillock over 52.284 Ha.

In order to obtain Environmental clearance, a suitable Environmental Impact Assessment Report and Environmental Management Plan for the mining lease area has been prepared.

PROJECT OUTLINE:

The Cluster-I (Tangeni, Sankhari and Dhania Hillocks) is located within revenue jurisdiction of Kaipadar village of Khordha tahasil in the district Khordha. The targeted area represents a hilly terrain comprising three isolated hillocks/Patches, viz., Cluster-1A (Tangeni), Cluster-1B (Sankhari) & Cluster-1C (Dhania). A sparse vegetation exists within the Cluster-I area with no human settlement.

The geological reserve (Probable & Possible) for building stone/road metal has been estimated as **46,16,394 cum** over the cluster-1A (Tangeni), **83,42,691 cum** over the cluster-1B (Sankhari) & **246,24,376 cum** over the cluster-1C (Dhania). Hence, the total geological reserve over Cluster-1 mineralised area has been estimated as **375, 83, 461cum**.

The total mineable reserve over Cluster-1 mineralised area has been estimated as **301, 24,081cum**.

The project site is located in survey of India Toposheet No. 73 H/12 with 73 H/12 and bounded between the latitudes 20°06'07.22" N to 20°06'51.38" N and longitudes 85°32'59.94" E to 85°34'13.03" E.

Since the ground water table in this region will be much below the proposed quarry floor there will be no problem of seepage/ ground water accumulation in the mine requiring pumping & drainage.

The major drainage of the area is contributed by Daya and Bhargavi River. There is no seasonal nala flowing within the lease area. The cluster area of Dhania, Sankari and Tangeni Stone quarry is spread over 96.597 Ha hectares. It also does not contain any features of archaeological/historical and cultural/aesthetic 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 gets degraded. Mining activity has a profound impact on land environment due to formation of quarries and dumps.

- The lease area mainly comes under Govt. waste land category. So 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 and will be settled before discharge to outside of the lease area.
- There is also positive impact of mining on agriculture, as sufficient water is discharged from the mine, which can be utilized for irrigation, 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 utilized for plantation programme.
- A total of 5,65,840 cu.m of top soil mixed with boulders & pebbles are envisaged to be generated during the plan period in course of mining. The dumping will be temporary in nature.
- Runoff from the mine and waste dumps shall 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 quarry
- 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:

Mining operation and its associated activities are potentially air polluting and the major air pollutant is the particulate matter. The impact on air quality due to the proposed mining cluster are given as follows:

- Dust from excavation and mining of stone.
- Loading, unloading and screening.
- Vehicular movement on the haul roads.

Further mitigation measures proposed for the mining will be as given below:

- 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.
- 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 semi mechanised open cast manual working type. In this open cast mining the various sources of noise in the area are attributed mainly because of vehicular traffic, as the mining process does not involve any blasting, drilling etc.

The proposed mining activity does not involve any drilling or blasting resulting in less noise generation. Only source of Noise generation are due to movement of vehicles and mining equipments. 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 Equipment's (PPEs) to minimize the occupational exposures of noise.

(D) Impact on Water Quality

There is no seasonal or perennial nalahs found within the lease hold 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 irrigation in area of afforestation, washing and domestic purposes.

There is chance that during monsoon the run-off water may find access to some of the quarries in the cluster-1. 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. The water so discharged will be routed to the natural drainage through series of drains and settling pits.

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.
- The abandoned pit will be converted to rain water storage tank and the 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 1 mines is covered by few shrubs. The land use pattern of the surrounding area is mainly agricultural land. There is little herbaceous vegetation and shrub vegetation exists within the lease area which will be removed with the execution of the mines. Plantation of about 480 saplings shall be done along the boundary, road side and on the existing dump.

(F) Impact on Socioeconomic Conditions:

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

The project will create employment opportunities for the local inhabitants. The project activities shall create awareness with the local people for preferring permanent services than periodical agricultural activities. Further there will be infrastructural development in the area due to the proposed project

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 Dhania, Sankhari and Tangeni Hillock.

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

- 1. Sri Joginath Bahubalendra, Kaipadar :- Sri Bahubalendra** welcomed and supported project proposal for mining of Dhania, Sankhari and Tangeni Hillock (Cluster-I). He expressed that the project proposal should be implemented in true spirit and they welcome it. There was no public hearing held hear before for these mining projects. The mining of Hillocks are major source of livelihood. He further expressed as follows. He requested to District Administration and Shree Jagannath Temple Administration to implement District mineral fund, Environmental management programme such as afforestation, concreting of road networks by mining or lessees. The road connecting to Sankhari Gram panchayat office etc. should be completed properly. He wanted that, he is handing over a representation on behalf of villagers for fulfilment of all demands. He requested to make proper survey and demarcation of all mines in presence of actual land owners of nearby land without affecting interest of those land owners. The mining should be done as per mining plan and if deviation is observed, the defaulters should be penalised. The blasting operation should be done, if any as per proper procedures with prior announcement for nearby inhabitants. The wagon drilling and blasting should not be followed, which are used in the Large Iron ore

mines and immediately should be stopped. He told that, it is responsibility of District Administration and Temple Administration to protect agricultural land, ponds, water bodies used by common people. The crop loss and irrigation facilities faced by the farmers should be taken care of from District Management Fund (DMF) and Environmental Management Fund (EMF). The connecting roads to quarry and villages should be repaired and done properly every year. The trees should be protected during blasting including other flora and fauna. Solar lighting should be done connecting road to quarry and villages. A hospital or dispensary should be established for those who has been associated with mining works including labourers. The local crushers should get minerals as raw materials on priority basis, which should be looked into by District Administration. Outside industries should not be allowed. The base price of minor minerals should be evaluated / fixed by a committee consisting of District Administration & Temple Administration, villagers and he requested that there should not be price hiking unnecessarily. The Lessees are mainly from outside of their villages and they should protect interest and peaceful living of local villagers free from unnecessary elements. The raising of minor minerals should be done as per actual royalty collected / assessed avoiding illegal mining in the area . The blasting material should be sold by licensed holders only avoiding illegal dealing or licenses given to Lessees. A community hall should be established in Tangeni Chhack to temporarily house nearby persons during the period of blasting operations for their safety. A pond called Chhelagadia situated at foothill of Sankhari hill should be renovated along with other ponds may also be renovated. He requested District Administration, Temple Administration and State Pollution Control Board, Odisha to constitute coordination committee to protect environment and

supervise environmental, friendly mining in the area and violations, if any in future.

2. **Sri Bibhu Prasad Baliarsingh, Kaipadar :- Sri Baliarsingh** welcome all dignitaries in the dias and all officials present in the meeting including villagers. He requested that all agreements done during previous public hearing meeting held in their Gram Panchayat should be implemented in field works such as plantations, road development, irrigation facility etc. which should be practically done. They will co-operate with all such activities. He requested also that the crushers should get certificates from District Administration like Mining Lessees are getting so that local villagers shall be benefitted. They welcome this public hearing meeting and all commitments should be fulfilled as per proceeding of the public hearing meeting.
3. **Sri Rajani Kanta Routray, Kaipadar :- Sri Routray** welcome all dignitaries present on the dias and all present in the meeting. He stated that not only Kaipadar villagers, other villagers of this district and outside of this district are dependent on these hillocks for their livelihood, since long back. He further expressed as follows. All crushers have been established depending upon raw materials from these mines. The labourers of these villages are facing economic hardships due to non-operation of these mines since long ago. He further told that all villagers of Kaipadar fully extend their support to mining proposals. He requested that all environmental measures and mitigation measures read out by Environmental consultant should be implemented in works practically. He further expressed as follows. The Mining Lessee whatever commitment submit before mining or any agreement done should be implemented fully with regard to development works and protection of environment as per Mining plan and Environmental Management Plan : The Chhelagadia pond as stated earlier should be renovated properly and natural drainage

pattern to nearby agricultural land should be properly maintained / restored. He requested to establish a community centre for nearby people and they will extend all support to the project and all written commitments should be fulfilled to prevent any public agitation in future.

4. **Mrs Rajashree Chamaptiray, Sarapanch, Kaipadar Grama Panchayat**
:- Smt Chamaptiray welcome all dignitaries on the dais and all officials present and villagers of Kaipadar. She put forth some demands before Administration as mines are situated in Kaipadar village. She demanded that during mining urgent attention for protection of environment of area and health of all workers and villagers shall be given on priority basis. All raising of minerals, blasting and transportation shall be done as per Environment Management and Mining plan. The roads connecting to cluster mines should be repaired / properly made on priority basis. The expenditure towards hospital, educational institution, drinking water supply, irrigation for farmers, road shall be made from District Mineral Fund. The Chhelagadia pond shall be renovated properly near Sankhari hill.
5. **Sri Ashok Kumar Routray, Kaipadar** :- Sri Ashok Kumar Routray expressed that he has sthitiban agricultural land of 3 Acres near foot hill of Sankhari hill. He expressed his thank full ness to all present in the meeting. He is unable to cultivate his sthitiban land due to mining operation which should be looked into and appropriate measures be taken by District Authorities as earnestly requested by him.
6. **Sri. Raj Kishore Patra, Kaipadar** :- Sri Patra welcome all dignitaries on the dais and all others present in the meeting. He requested all Administrations to pay attention of problems of labourers and villagers of Kiapadar. He requested that plantation be made as per plan submitted in the meeting. The Chhelagadia pond and agricultural lands are damaged due to mining blasting including his own land situated there. These issues

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should be looked into as requested by him. The two major roads of Kaipdar village and other roads connecting to cultivated lands should be made concreted / developed properly as demanded before District Administration. He told that all of them are supporting the mining project.

7. **Sri Prafulla Kumar Sahoo, Kaipadar :- Sri Sahoo** welcome all present on the dais and officials present in the public hearing meeting. He expressed that Sankhari Hill was given on lease for mining in previous years. He has some Sthitiban land near Sankhari hill-A and Sankhari hill-B. He requested that the mining lease area must be properly surveyed and demarcated and pillar posted in presence of these land owners. Their land should not be damaged and land be protected during blasting and mining operations as requested to District Administration. He also handed over representation during public hearing meeting.

Seven persons had deliberated which is as per **Annexure-II** from Serial No.2 to Serial No.8.

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 Regional Officer 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.

Eleven 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.



**Dr. Binod Bihari Dash, Regional Officer
Regional Office of State Pollution
Control Board, Odisha, Bhubaneswar**



**Sri Anuj Kumar Das Pattnaik
Additional District Magistrate
(Revenue), District Khordha**