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EXECUTIVE SUMMARY OF PUBLIC CONSULTATION (HEARING) OF RAIKELA IRON ORE MINES OF M/S GEETARANI MOHANTY, HELD ON DTD.13-04-2022 (10.30 AM) AT GEETARANI PROJECT UPPER PRIMARYSCHOOL(NEAR PTA PARKING)IN RAIKELA VILLAGE UNDER KOIRA TEHSIL OF SUNDARGARH DIST. (ODISHA)

The public hearing meeting for Raikela Iron Ore Mines(over an area of 67.586H.a) of M/s. Geetarani Mohanty was conducted on dtd.13.04.2022 at 10.30 A.M. at Geetarani Project Upper Primary School (near PTA parking)in Raikela Village under Koira Tahsil the District of Sundargarh. Sri Pradeep Dang OAS(I) SB, Sub-Collector-cum-Sub-Divisional Magistrate, Bonai +had presided over the meeting. At the outset, Mrs. Babita Singh, Environmental Engineer, State Pollution Control Board, Odisha, Rourkela organized and conducted the public hearing meeting.

The Public hearing in respect of the above mining was held as per the scheduled and at the venue following EIA Notification S.O.1533(E) dtd.14.09.2006 and subsequent amendment therein. The Public Hearing meeting with regards to date, place, and time was announced in the public address system apart from its publication in local dailies. The process followed for the public hearing was adequate. The attendance sheet of the public present in the meeting is annexed herewith in ANNEXURE-I. Around 250 nos. of persons attended the public hearing meeting and 188 Nos. of persons have signed in the attendance sheet. Fourty-Eight (48) nos. of persons had delivered their views whose list and their signatures are given on ANNEXURE-II and 59 Nos. of written representation were received.

Sri Pradeep Dang OAS(I) SB, Sub-Collector-cum-Sub-Divisional Magistrate, Bonai, Sundargarh had welcomed the Public & explained 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 issued that has been by the Govt. during the Public Hearing.

## **DETAILS OF THE PROJECT PROFILE:-**

The brief outline of the EIA (Environment Impact Assessment) and Environment Management Plan (EMP has been carried out at Raikela Iron Ore Mine for enhancement of Iron ore production from 2.99 MTPA to 4.99 MTPA alongwith 1000TPH fixed crushing and screening facility by **M/s Geetarani Mohanty** over an Area of 67.586 Ha. at Village - Raikela of District Sundergarh, Odisha.

To obtain Environmental Clearance of Raikela Iron Ore Mine, M/s GLOBAL TECH ENVIRO EXPORTS PVT LTD, a NABET & NABL Accredited Environmental Consultancy, Bhubaneswar was engaged for the preparation of EIA/EMP of the project.

# DETAILED SALIENT FEATURE OF THE PROPOSED MINING PROJECT (AS PER REPORT SUBMITTED AS PROVIDED IN THE EXECUTIVE SUMMARY)

- 1. Name of the Mines-Raikela Iron Ore Mine
- 2. Name of the Product-Enhancement of Iron Ore with Production from 2.99 MTPA (ROM) to 4.99 MTPA along with 1000TPH fixed crusher and screening facility.
- 3. Location/Name of the Village is present-Village-Raikela, Tehsil-Koira, District- Sundargarh, Odisha
- 4. Tehsil- Koira of Sundergarh district
- 5. Total proposed leasehold-67.586Ha. (Out of the 67.586Ha of Mining Lease area, forest land under the DLC category is 66.671Ha and 0.915Ha is non-forest land. Out of 66.671 Ha DLC Forest land,43.033Ha had been broken prior and mining operation in this area is being continued.)
- 6. Nearest Town-Koira at a distance of approx.11 km
- 7. Nearest Highway-NH-215 is about 14km in the East direction.

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- 8. Nearest airport Veer Surendra Sai Airport-180km, Jharsuguda, Biju Pattnaik International Airport , Bhubaneswar-280 km
- Another Important Road- Koira –Barsuan Road Is passing nearby the lease area in the east and southern part of the lease area.
- 10. Nearest River-Sarkunda Nala- 4.2 km in in South, Kuradhi Nadi- 8.0 km in North West, Karo Nala 6.8 km in the North
- 11. Nearest Railway Station-Barsuan Railway Station is about 17 km in the South West direction.
- **12. Production Quantity-Enhancement from** 2.99 MTPA Iron Ore (ROM) 4.99 MTPA.

# **PROJECT OUTLINE:-**

Raikela Iron Ore Mines located at Village – Raikela District Sundergarh, Odisha (Mining Lease Area: 67.586 Ha.) belong to M/s Geetarani Mohanty.

The Salient features of Environmental Clearance of Raikela Iron Ore Mines for enhancement of Iron Ore Production from 2.99 MTPA (ROM) Iron ore to 4.99 MTPA(ROM) is as follows: -(As per the Executive Summary Report stated by M/s GLOBAL TECH ENVIRO EXPORTS PVT LTD., Bhubaneswar.)

- a) This project falls under 'Category B1' of Project Type 1(a) Mining of Minerals which requires Environmental Clearance (EC) from SEAC, Odisha.
  - The method of mining will be Fully Mechanized Open Cast Mining with crushing and screening facility.
- b) The annual production is targeted at 4.99 Million Tons per Annum of Iron Ore of ROM with crushing and screening facility.
- c) The mineable reserve of iron ore in the lease area is 7631600 MT or 76.316 Million Tons. Keeping in view the production of Iron Ore @ 4,990,000 Tons per Annum, the life of the mine will be 15 years. However, the life of the mine is likely to increase with further exploration of the lease to the G1 level of exploration.
- d) It is a part of Survey of India Toposheet No. 73G/1 on a 1:50,000 scale and is bounded by the Lat: 21° 51′ 54.47556″ to 21° 52′ 35.39676″ N,

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Long: 85<sup>0</sup>10'32.27952" to 85<sup>0</sup>11'05.16660" E. authenticated by Odisha Space Application Centre (ORSAC), Department of Science & Technology, Govt. of Odisha.

- e) The ML area is easily approachable from Koira and Rourkela.
- f) Total makeup water requirement for production of 4.99 MTPA Iron Ore is 281.3 KLD,out of which 180KLD is sourced from borewell, 88 KLD from rain water harvesting and 13.3 KLD recycled water from Sewage Treatment Plant and Effluent Treatment Plant.
- g) The mining operation including maintenance will be done in all shifts. The power requirement is 1400 KW. It will be obtained from WESCO, Odisha In emergency 300 KVA DG will be used for lighting and other purposes.
- F) The proposed area does not contain any features of any archeological/historical and cultural importance.

# PRESENT CLIMATIC CONDITION AND ENVIRONMENTAL FEATURES OF THE PROPOSED MINING AREA:-

Following are the baseline study reports of M/s GLOBAL TECH ENVIRO EXPORTS PVT LTD, Bhubaneswar w.r.t. present Environment Scenario.

A. Climate and Metrology- The climate of this district is characterized by a hot and dry summer and well-distributed rainfall in the southwest monsoon season. The cold/winter season begins in December and lasts till the end of February. The hot/summer season follows thereafter and continues till about the second week of June. The southwest monsoon season is from mid-June to the end of September. October and November constitute the post-monsoon season. May is the hottest month with the mean daily maximum temperature at about 41°C and the mean daily minimum temperature at about 27°C. On individual days the maximum temperature may occasionally reach above 49°C. December is usually the coldest month with the mean daily maximum temperature at about 28°C and the mean daily minimum temperature at about 12°C. In the wake of western disturbances passing across northern India in



the cold season, the district is sometimes affected by cold waves and the minimum temperature may go down up to about 6 to 7°C.

- B. Ambient Air Quality-The observed sources of air pollution in the study area is industrial, traffic, and domestic activities. The monitoring has been carried out at 8 locations from June 2019 to February 2020. As per the Monitoring data average the PM10 values were in the range of 57.1 88.5 μg/m3. PM2.5 values were in the range of 30.1 44.1 μg/m3. SO<sub>2</sub> levels were ranging from 3.4-9.6μg/m3. NOx levels were ranging from 10.1-23.7 μg/m3 CO levels ranged from 114. While comparing with the NAAQ Norms laid by MoEF& CC, all monitored values of PM10, PM<sub>2.5</sub>, SO<sub>2</sub>, and NOx were found to be within the prescribed standards. The CO values in all locations were found to be within 114-294 μg/m3.
- C. **Noise Quality-** A preliminary reconnaissance survey has been undertaken to identify the major noise generating sources in and around the plant site area. Noise at different noise generating sources has been identified based on the activities in the village area and ambient noise due to traffic. Sound Pressure Level (SPL) measurements were measured at all locations. The readings were taken every hour for 24 hours. The day noise levels have been monitored from 6 am to 10 pm and night levels from 10 pm to 6 am.

Noise level monitoring was carried out continuously for 24 hours with one-hour intervals starting at 06:00 hrs to 06:00 hrs the next day. During each hour, Leq was directly computed by the instrument based on the sound pressure levels. Lday (Ld), Lnight (Ln), and Ldn values were computed using corresponding hourly Leq of day and night respectively. Monitoring was carried out at 'A' response and fast mode.

- L10 is the noise level exceeded 10 percent of the time;
- L50 is the noise level exceeded 50 percent of the time; and
- L90 is the noise level exceeded 90 percent of the time.



The statistical analysis is done for measured noise levels at eight locations. The parameters are analyzed for L10, L50, L90, Leq, Lday, Lnight, and Ldn.

D. Water Quality-The analytical results of surface water samples collected from different locations during the study period and analyzed for various parameters reveal that the parameters comply with IS: 2296 (Class 'C'), which means after chlorination it can be used for drinking purpose. Groundwater samples from the study area show that water meets IS:10500 Desirable Limits, which means suitable for drinking purposes. The surface run-off water of the lease area is being regulated in such a manner to cause minimum contamination and alteration of the drainage system. There has been no adverse impact on the existing drainage system because of the provision of cemented and tarpaulin cover drains all around the lease area to guide water through check dams & settling ponds down to outside Nala.

# E. Soil Quality-

Class

Following classes of soil were observed in the study area Loamyskeletal Typic Ustochrepts, Fine, Typic Haplpustalfs

Loamy-skeletal Typic Rhodustalfs Fine-loamy Typic Ustochrepts

Quality: The soil samples collected from the study area were analyzed following the relevant procedures of BIS and the Central Pollution Control Board. The color of the soil was found to be reddish-brown. Soil is mostly acidic with water holding capacities varying from 6 to 20%.and poor nutritional value.

# F. Biological Environment-

The biodiversity inventory was undertaken by CIMFR, Dhanbad to collect information that would help in developing a site-specific biodiversity conservation plan. In addition, the information collected would serve as a protocol, which would aid in demonstrating or exhibiting the status of the

landscape of interest to the concerned stakeholders to Undertake appropriate restoration measures. Hence the present study aims at assessing the biodiversity of the lease and its buffer area of 10 km radius with the following objectives.

# ENVIRONMENTAL IMPACT ASSESSMENT (EIA)

# A. Air Quality: -

Impact prediction is a way of mapping the environmental consequences of the project development. Environmental impact can never be predicted with absolute certainty and this is all the more reason to consider all possible factors and take all possible precautions for reducing the degree of uncertainty.

The impacts of the project on climate like air, water, soil, flora-fauna & socio-economy adverse or favorable have been assessed and possible reduction of adverse impact has been predicted

Existing Ambient air quality will change due to emission of particulate matter, SO2 NOx, CO, etc. resulting from drilling, blasting, movement of heavy earth moving machines, and transportation of material. This will harm living beings.

EPA Publication No. AP-42 – Guidance on Emission factors in the mining industry has been considered for estimation of emission of pollutants.

#### Emission inside mine lease area:

It has been estimated that Particulate Matter emission due to mining activities like drilling, blasting, excavation, crushing, screening, and transportation activities PM emission will be about 11.81 g or µg from the area source.

The emission of pollutants as estimated will be minimized by the use of water sprinklers, low sulfur fuel, and use of wet drilling machines.

Dust emission due to material transportation will be reduced by transporting the majority of material by train, installation of parking plaza,

CD SURVEY

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National Environmental Engineering Research Institute (NEERI) guideline SOTM (Suggested Ore Transportation mode) will be followed for transportation of material in the mine area.

Vacuum cleaners will be deployed for cleaning all mineral-carrying roads inside the ML area including the proposed cement concrete road inside the lease area. The government has already taken steps four lining NH-215, which will reduce the concentration of pollutant emissions.

# Emission outside the mine lease area

Due to transportation of material from ML area, there will also be emission inline source. It has been estimated that about 50 numbers of heavy vehicles will have to and fro movement for transportation of Iron ore on roads connecting ML area to highways and emission has been estimated as per guideline AP-42 to be PM= 0.77 g or  $\mu$ g, CO= 0.025 g or  $\mu$ g, and NOx 0.058 g or  $\mu$ g, (assuming 200 KW heavy vehicles running @ 60km/hr).

# Air quality modeling

Air quality modeling using (AERMOD) View Gaussian Plume Air Dispersion Model(Ver-9.6) Shows that without mitigation measure 4.40  $\mu$ g/m³ and with mitigation measure

Outside mine lease area on road up to Bursuan Railway Siding emission level due to transportation of Iron Ore by Heavy vehicles will be 2.81  $\mu$ g/m<sup>3</sup> TSP and NOx 2.0  $\mu$ g/m<sup>3</sup>.

#### B. Water -

The total water requirement will be 180 KLD comprising 14.0 KLD for domestic use, 137.4 KLD for dust suppression, 12.3 KLD for ETP, Workshop & Wheel Washing systems, and16.3 KLDfor Greenbelt and plantation. The water requirement will be met from a bore well within the lease premises.

In this regard, groundwater permission has been obtained from CGWA. The area falls in the "safe" zone category as far as the stage of development is concerned.

# C. Runoff management -

The main source of water pollution in opencast mining is the surface run-off due to rainfall. There will be no discharge of water / runoff during dry weather seasons. There may be a small quantity of mine discharge during monsoon. This run-off contains fine silt. This will be treated in settling tanks followed by desilting tanks and the treated water (overflow) will be let into the natural Nallahs during the monsoon. While it will be stored and used for dust suppression and plantation during the non-monsoon season.

#### D. Drain -

Garland Drains shall be provided around the pit to prevent the entry of rainwater into the mining pit. Garland drain/ filtration bund shall be provided around dumps to retain the rainwater percolating from waste dumps.

Effluent water from the workshop, service building, and wheel wash will be treated in Effluent Treatment Plant and recycled to process.

Domestic wastewater will be treated in a 60KLD Sewage Treatment Plant. Treated water of Sewage Treatment Plant will be used for dust suppression and green belt.

# E. Rainwater Harvesting -

Rainwater harvesting from the rooftops of buildings and other super structures for storage. ML area has a rainwater harvesting potentiality of 51,682 m³/Annum. Assuming 20% loss during transportation to the harvesting pond and 25% percolation to the groundwater table and 2% evaporation loss from the harvesting pond the storage of harvested rainwater will be about 30,000 m3/annum.

# F. Rain Water Harvesting Structures & their Design-

A rainwater harvesting pond of 200m X 30m X 5m =  $30,000 \text{ M}^3$  is proposed to be constructed for storage of water that will be used for mining activities thereby reducing the makeup water consumption.

#### G. Noise-

Noise is the most inevitable cause of pollution for mining industries involving blasting. Besides blasting drilling, the movement of vehicles, crushing, and screening also produce a considerable magnitude of noise.

Noise will be heard only in the active mine area, at far away places from the actual mine workings there will not be any impact of noise due to mining operations and will not be felt in the nearby villages. Further green belt/plantation and other mitigative measures are and will be carried out to abate noise propagation in the area

Regular noise monitoring was carried out within the ML area and the found levels are within limits. However, workmen will be provided with earmuffs & earplugs, as a protective measure against higher noise levels.

#### H. Vibration-

It has been observed from blasting in adjacent mines that vibration frequency in most of the cases is lying between 6 to 15Hz.and corresponding to this frequency, the permissible Vmax (Peak particle velocity) as per DGMS circular for domestic houses/structures (Kuccha, brick, and cement) is 10 mm/sec & for the sensitive area the safe limit is 5mm/sec.

But this value for the project will be about 1.0mm/sec indicating no danger to domestic houses nor for industrial buildings for which the permissible limit is 20mm/sec.

#### I. Hazardous waste -

It is expected that Hazardous Waste like Used Waste Oil due to periodical replacement of lubricants in machinery, Used lead-acid Batteries will be generated, which will be disposed of through authorized vendors only after verification of Consent Order, Validity, Authorization from the State Pollution Control Board.

Agrical Control

# J. Proposed Green belt program-

Plantation in the area is being carried out and will continue to cover the safety zone of the ML boundary. Till date, 3.16 H has been covered under plantation. The survival rate varies from 50% to 70%.

During two year plan period 2750 additional plantation has been proposed in 1.6 H of land. Species of trees are being planted are like Mango, Karanj, Chakunda & Neem etc.

#### K. Wild Life Conservation -

The site-specific Wildlife Conservation Plan has been prepared & got approved by PCCF (Wildlife), Chief Wildlife Warden, Odisha. The project has an estimated cost of Rs.147.50 Lakhs which includes the cost for afforestation i.e. Rs.120.06 Lakhs, cost of fencing, protection of safety zone area i.e. 7.44 lakhs, the cost for afforestation i.e. 7.99 lakhs & cost of soil conservation measures i.e. 12.00 lakhs

# L. CSR activities -

The mine management has carried out various CSR activities in the region from 2004- 2005 to 2010-2011,2019-2020 to 2021-2022 the company has spent around 10.75 Crore on the activities

## M. CER-

The company has a proposal to spend Rs 100 lakhs against CER activities which will be spent towards the sustainability of the project as well benefit of the public. The budgetary heads will be decided after the conduction of the public hearing.

# N. Occupational health & safety -

The project proponent is committed to working towards 'Zero Harm' from their mining activities. The company is & will also maintain accurate and systematic records of the HRA and all the tests carried out.

The company has earmarked Rs 2.5 lakhs per annum for expenditure against occupational health management under heads like Safety instruments, equipment, etc., and Up-gradation of Dispensary and carrying out health Camp or Health Check-up.

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## ENVIRONMENTAL MANAGEMENT PLAN (EMP)

In the process of environmental impact assessment, site-specific issues have been identified which require due consideration as part of the development, planning, and environmental project costing. The measures suggested are detailed under the environmental management plan. The estimated project cost for an expanded project is Rs.100.00 Crore.

After that Sri Pradeep Dang OAS(I) SB, Sub-Collector-cum-Sub-Divisional Magistrate, Bonai Sundargarh had invited the representative of project proponent of Raikela Iron Ore Mines of M/s Geetarani Mohanty and Sri Bidhu Bhusan Sahoo, General Manager of Project Proponenthad briefed about the proposed mining activities for the production of iron ore mines, salient features of the proposed project and Environmental Management Plan, Pollution Control Measures to be adopted during the mining operation, Blasting procedure, Plantation Programme, and various other peripheral development activities, etc. to be carried out during mining.Sub Collector, Bonai then invited the public to address their views on the environmental aspects of the proposed project. Forty-Eight (48) nos. of villagers opined their views as mentioned below.

- 1) Sri Babuli Munda, Raikela: -Sri Babuli Munda, Sarpanch, Dengula Grampanchayat Welcomed and supported the project. He demanded for prevention of water pollution Karo Nala due to mining, the development of village road, drinking water supply, health care facility, electricity connection and control of traffic issues due to heavy Dumper/Tipper movement. He also amphasized that due to expansion of the Project employment will be generated and he demanded jobs for the women and prioririty to the qualification basis employment according to unemployed youths. He further requested to provide teachers at Dengula School. He demanded that whatever was mentioned by the project proponent, the Company should fulfill all these commitments.
- 2) Sri Sudarshan Patra, Raikela: -Sri Patra supported the public hearing. He stated that due to mining activity water pollution occurs in Karo river

- and the company has also started desilting activity for smooth flow of water in nallah. He also requested mines authorityto provide the street Light for Raikela Village, direct employment to the local unemployed youth, one dispensary and an ambulance for 24 hours.
- 3) Sri. Suresh Naik, Koira- Sri Naik supported the public hearing and he request to mine authority to provide health through health camp, education facility and employment of teachers in local school. He further requested to take necessary action for the self-employment of SHG (Self Help Group).
- 4) Sri Bhimsen Choudary, Ex MLA, Bonai, Koida: -Sri Choudhary supported the public hearing and he welcome all. He stated that people are very happy as the Lessee is Odia for this Project.He demanded for desilting of Nallah by the project proponent by manually for restoration of the Karo Nallah. He also demanded mines authority for controlling of traffic issues and requested mines authority for deployment of local youth in parking zone for local employment. He also stated theat people are facing diffcuties during movement of patient in Ambulance due to traffic problem.
- 5) Sri. Gura Munda, Raikela: Sri Munda supported the public hearing.
- 6) Sri Rabindra Kumar Mishra, Tensa: -He welcomed all and supported the public hearing. He expressed his concern that during mining activities more or less forest will be destroyed, so he requested mines authority for plantation of fruit-bearingtrees, restoration of Karo river, women education in tribal areas, local area development, financial benefit to old age people and educational facilities for local children.
- 7) Sri Janardan Dehury, Koira: -He welcome all and supported the public hearing with a request for employment for the local peoples, restoration of Karo river & control of the pollution of Karo Nallah, financial support for old-age people.

8) Smt. Pyari Gloriya Tirkey, Tensa: - She supported the public hearing.

- 9) Smt. Anita Purty, Tensa: -She supported the public hearing with the request for establishing a hospital for the local people, Ambulance with all facility, Mahaprayaan vehicle for ritual to dead people, employement to Tensa, Bahamba&phuljhar village people, Tipper/Dumper loading facilities for the local vehicle owner.
- 10) Sri Santosh Kumar Sahu, Kalta:- Sri Sahu supported the public hearing, he requested for providing facilities for farming, Karo Nallahdesilting through manually for restoration which will help for cultivation and employment for the local people, ESI Hospital.
- 11) Sri Ramesh Naik, Raikela: -Sri Naik supported the public hearing with the request for employment of local people.
- 12) Sri Ashok Naik, Koira: Sri Naik welcome all and extended his support to the public hearing. He requests the Sarpanch Sri Babuli Munda to aprove in Gramsabha as discussed with Collector & District Magistrate to restore the Karo Nallah for lift irrigation for the farming. He further requests mines authority to engage Sanskrit teacher for Dengula School, collection of tollfees by engaging local youth in parking plaza and employment of the local people by Thriveni contractor by providing skill development program to local youth.
- 13) Sri Laxmi Narayan Jaiswal, Koira: -He welcome all and extends his support for public hearing. He expressed that heavy truck/trippers owner are benifting due to opertation of this mines. He stated that the mines authority should emphasize on control of environmental pollution and he requested District Adminstartion for making road from Tensa to Barsuan for the interest of local vehicle Owner and local people.
- **14) Sri Sahadev Naik, Kalta** -. Sri Naik extends his support for a public hearing with the request for the development of the local area.
- 15) Smt. Saraswati Dehury, Raikela: She extends her support for a public hearing with a request for road development in Raikela village, establishment of hospital for Raikela village, prevention of dust pollution and financial help for handicap like penson scheme.



- 16) Smt. Basumati Naik, Raikela:-Smt. Naik extends her support for public hearing. She stated that mines authority has provided for educational facilities and demanded for electric facilities &drinking water facility.
- **17) Smt. Padmini Naik, Raikela:-**Smt. Naik welcomed all and supported the public hearing.
- **18) Smt. Thriveni Munda, Tentulidhi:** -She welcomes all and supported the public hearing. She requested mines authority to emphasize on SHG group for financial support to the poor aged women.
- 19) Smt. KainfulaNaik, Raikela: -She extends her support for a public hearing. She requested to mines authority to provide financial support to the SHG group.
- 20) Sri Sunil Munda, Raikela–Sri Munda extends his support for the public hearing with a request to provide an ambulance facility and demandinga borewell in Patrasahi village.
- 21) Sri Bhuban Amata, Raikela-Sri Amat extends his support for the public hearing and questioned all about the future of next generation.
- 22) Sri Parameswar Naik, Koira—Sri Naik extends his support for the public hearing with a request to help for handicapped, construction of Raikela road, dust control, renovation of the postmortem center, Koida. He also further request to development ofarts, culture & providing education. He also questioned District Adminstartion for development of local area through DMF fund.He also expressed that local area development should take place by all nearby mines.
- 23) Sri Biswajit Mallik,Rourkela: He extends his support for the public hearing with a request to take care of human rights. He further requested mines authority for emphasize on local tribal development.
- 24) Sri Babaji Samal, Tensa: Sri Samal extends his support for the public hearing with a request for employment for the local people, drinking water facilty and environment protection.
- 25) Sri Chetan Naik, Koira: -He welcomes all and supported the public hearing. He demanded skill development for local people, direct employment in mines as per the qualification to nearby local villages,

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- electricity supply, plantation with better survival, and employment of the data entry operator from local villages. He also stated that government has established an ITI in Koira, however the established ITI is neither in running condition nor in functioning stage. He demanded to the state government for functioning properly with adequate teaching staff.
- 26) Smt. Susmita Naik, Dengula:- Smt. Naik extends her support for public hearing.
- 27) Sri Ajit Ku. Naik, Raikela:-Sri Naik welcomed all and stated or phans children are facing difficulties and only truck/trippers owner are benifitted from mine. He demanded mines authority to take care the or phans for their study in KISS, KIIT, Bhubaneswar.
- 28) Smt. Kusmita Patra, Dengula: Smt. Patra welcomed all and supported the public hearing. She informed that even during suspension of mine the PDC teachers got their salary. The company has provided facility for drinking water, ambulance for the local villagers.
- 29) Sri Pradeep Kumar Naik, Dengula-Sri Naik extends his support for public hearing.
- 30) Sri Padmacharan Munda, Raikela: -He extends his support for the public hearing and he demands that plantation, desilting of Karo Nallah and lift irrigation project for farming of the Raikela village.
- 31) Sri Gabinda Naik, Bandhal: -Sri Naik extends his support for the public hearing. He requested to provide a drinking water facility, development of the local area and employment of the local people.
- 32) Sri Duryodhan Naik, Tensa: Sri Naik extends his support for the public hearing. He demanded to control environmental pollution, sprinkling of water on the haulage road for dust control, construction of check dam to control the runoff water from mines, educational facility to local people and medical facilities for the villagers.
- **33) Sri Jasobanta Behera, Tensa:** Sri Behera extends his support for the public hearing with a request for Education development, and road safety teacher's employment.



- 34) Sri Lokanath Patra, Tensa: Sri Patra welcomed and supported the public hearing. He demanded that mines authority to provide good educationfacility for local people and the development & provision of facilities for sports person of Koira area.
- 35) Sri Tushar Nanda Padal, Baldih:- Sri Padal welcomed and supported the public hearing with demand for local development with good quality of education.
- **36) Sri Anand Chandra Naik, Dengula:** -Sri Naik extends his support for the public hearing and demanded to mines authority for removal of deposited red mud from agricultural land and employment to local people.
- **37) Sri Bhagirathi Naik, Tinto:** Sri Naik welcomed all and extends his support for public hearings. He demands for local youth employment.
- **38) Sri Umakanta Barik, Kula:** -Sri Barik extended his support for the public hearing. He requested to mines for local employment and demands seed & fertilizer for farming.
- 39) Sri Jadumani Naik, Bandhal: -Sri Naik extended his support for the public hearing and requested mines authority for development of Bandhal School.
- **40) Sri Umesh Mahakud, Dengula**:-Sri Mahakud extended his support for public hearing.
- **41) Smt. Sardi Naik, Raikela**: Smt Naik extended her support for a public hearing and she requested mines authority to remove the silt from agricultural land.
- **42) Sri Madhuban Naik,Raikela**: Sri Naik extended his support for the public hearing and requested for drinking water facilty in the Matha(Cave) and support for development of Matha (worship area).
- 43) Smt. Mina Samsi, Tensa: -Smt. Samsi expressed that they have approached several times for jobs but no response from mines authority. She further expressed that they are facing difficulties due to blasting and she demanded to construct or repair the wall and water supply for their bathroom.
- 44) Smt. Rebati Patra, Raikela: Smt Patra supported the public hearing.

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- **45) Sri Ramchandra Munda, Tentulidhi:** Sri Munda supported the public hearing and demanded the mines authority for drinking water facility.
- 46) Sri Prafulla Naik, Raikela: He extended his support for public hearing. He requested to the mines authority for employment to the unemployed youth and removal of silt from agricultural land.
- **47) Sri Pabitra Patra, Raikela**:-Sri Patra extended his support for the public hearing with hope that the mines authority will support further.
- 48) Sri Bidesi Barik, Dengula: He welcomed the public hearing.

Sub Collector, Bonai then elaborated on the issues raised by the public and asked to Project Proponent of M/s Geetarani Mohanty to explain people on the issues. Sri Srinibash Sahoo, Lessee of M/s Geetarani Mohanty, clarified the people on the raised issues which are listed in the Executive Summaries at Annexures – A & B respectively in English and Odia. Sri B.K Bhoi, Asst. Env. Engg. of State Pollution Control Board, Rourkela, Odisha then extended a vote of thanks and Sub Collector closed the meeting. Video recording of the consultation (hearing) in pendrive is annexed.

**Environmental Engineer** 

State Pollution Control Board, Odisha

Regional Office, Rourkela

Sundargarh, Odisha

Environmental Engineer
State Pollution Control Board Odisha
ROURKELA

Sub Collector, Bonai

Sundargath, Odisha

A Don't

EXECUTIVE SUMMARY OF PUBLIC CONSULTATION (HEARING) OF RAIKELA IRON ORE MINES OF M/s GEETARANI MOHANTY, HELD ON Dt. 13-04-2022 (10.30 AM) AT GEETARANI PROJECT UPPER PRIMARY SCHOOL (NEAR PTA PARKING) OF RAIKELA VILLAGE UNDER KOIRA BLOCK OF SUNDARGARH DIST. (ODISHA)

SI.	Issues raised by Public	Comments of the Project Authority
1.	<ul> <li>Environment</li> <li>Provision of Check Dam for prevention of water pollution in Karo Nallah.</li> <li>Cleaning the silt from Karo Nallah and restoration of Karo Nallah.</li> <li>Removal of red soil from agriculture land for better fertility.</li> <li>Dust pollution will increase due to mining activities.</li> <li>Water pollution due to mining activity</li> <li>Adequate plantation in mines area</li> </ul>	<ul> <li>Company has already constructed check dam and the settling pond within the mine lease area to control the water flow and to restore the water.</li> <li>The Karo Nallah will be cleaned manually with the help of local villagers and restore the source of the flow.</li> <li>The Company will remove the silt from the agricultural land with the support of the local villagers.</li> <li>Regular water sprinkling will be done for dust suppression</li> <li>The company has already constructed check dam and will take the necessary steps toward controlling water pollution.</li> <li>Local species plants will be planted for green belt development in the Mines area. The fruit bearing trees will also be planted.</li> </ul>
3.	Local Employment:  Local villagers should employ on a priority basis as per their qualifications.	➤ The local public will be given priority for employment based on their qualification and and experience.
4	Peripheral Development	
	<ul> <li>a) Road Development:</li> <li>Maintenance of village road and</li> <li>Construction of road from Tensa to Barsuan.</li> <li>Parking zone development and hand over to the Gram Panchayat</li> </ul>	<ul> <li>The company will be repairing the village road and constructing the road in consultation District Administration.</li> <li>The company authority has ready to prepare the parking plaza with the permission of the villagers.</li> </ul>
	<ul> <li>b) Healthcare facility:</li> <li>Mobile Health Van and 24 hours an Ambulance facility.</li> <li>One Dispensary in Raikela village.</li> </ul>	<ul> <li>An Ambulance is already provided to the local villagers for 24 hours.</li> <li>A Dispensary is already placed near the Mines office area for the staff and local villagers.</li> </ul>



M/s. Geetarani Mohanty

SRINIBASH

Managing Partner

**Environmental Engineer** 

persons

State Pollution Control Board, Rourkela

Environmental Engineer State Pollution Control Board Odisha ROURKELA Sub-Collector Bonai, Sundargarh

1

ମେସର୍ସ ଗୀତାରାଣୀ ମହାନ୍ତିଙ୍କ ରାଇକେଲା ଲୌହ ଖଣିର ପ୍ରସ୍ତାବିତ ପ୍ରକଳ୍ପ ର ଜନ ଶୁଣାଣି କାର୍ଯ୍ୟନିର୍ବାହୀ ସାରାଂଶ ସ୍ଥାନ: ଗୀତାରାଣୀ ପ୍ରୋଜେକ୍ଟ ଉଚ୍ଚ ପ୍ରାଥମିକ ବିଦ୍ୟାଳୟ ପ୍ରାଙ୍ଗଣ (ପି.ଟି.ଏ.ପାର୍କିଙ୍ଗ ପାଖରେ) ,

ଗ୍ରାମ- ରାଇକେଲା , ବ୍ଲକ -କୋଇଡା , ଜିଲ୍ଲା -ସୁନ୍ଦରଗଡ

ତାରିଖ: ୧୩-୦୪-୨୦୨୨ (ଦିବା ୧୦:୩୦ ଘଟିକା)

ସଂଖ୍ୟା.	ଜନସାଧାରଣଙ୍କ ହାରା ଉଠାଯାଇଥିବା ପ୍ରସଙ୍ଗଗୁଡିକ	ପ୍ରକଳ୍ପ ପ୍ରାଧିକରଣର ମନ୍ତବ୍ୟ
ę.	ପରିବେଶ :         > କାରୋ ନାଳ ରେ ବହୁଥିବା ପାଣିର ପ୍ରଦୂଷଣ କୁ ରୋକିବା ପାଇଁ ଆଡି ବନ୍ଧ ନିର୍ମାଣ ଓ ଜଳ ସଂରକ୍ଷଣ ବ୍ୟବସ୍ଥା କରନ୍ତୁ ।         > କାରୋ ନାଳ ର ସ୍ରୋଡ କୁ ପୁନରୁଦ୍ଧାର ଏବଂ ସଫା କରନ୍ତୁ ।         > ଜମି ରୁ କାଦୁଅ କାଢନ୍ତୁ ଏବଂ କମି ର ଉର୍ବରତା ପାଇଁ ସମାଧାନ କରନ୍ତୁ ।         > ଅଧିକ ମାତ୍ରରେ ଖଣି ଖନନ ଯୋଗୁଁ ବାୟୁ ପ୍ରଦୂଷଣ ହେବ ।         > ଖନନ ଯୋଗୁଁ ଜଳ ପ୍ରଦୂଷଣ ।         > ଖଣି ଅଞ୍ଚଳରେ ପର୍ଯ୍ୟାପ୍ତ ବୃକ୍ଷରୋପଣ	<ul> <li>⇒ କାରୋ ନାଳ ର ପାଣିର ପ୍ରଦୂଷଣ କୁ ରୋକିବା ପାଇଁ ଆଡି ବନ୍ଧ ଏବଂ ବର୍ଷା ଇଳ ସଂରକ୍ଷଣ ପାଇଁ ବ୍ୟବସ୍ଥା କରାଯାଇଛି ।</li> <li>⇒ କାରୋ ନାଳରେ କମି ଥିବା ମାଟି କୁ ଶ୍ରମିକ ମାନଙ୍କ ଦ୍ୱରା ସଫା କରାଯାଉଛି ଏବଂ ତାର ପାଣି ସ୍ରୋତ କୁ ପୁନରୁଦ୍ଧାର କରାଯାଉଛି ।</li> <li>⇒ ଚାଷ କମିରେ ଥିବା କାଦୁଅକୁ ବାହାର କରିବା ପାଇଁ ବ୍ୟବସ୍ଥା କରାଯିବ ଏବଂ ସେଥି ପାଇଁ ଆମକୁ ଗ୍ରାମବାସୀଙ୍କ ର ସାହାଯ୍ୟ ଦରକାର ।</li> <li>⇒ ଧୂଳି ଦମନ ପାଇଁ ଇଳ ସିଞ୍ଚନ କରାଯାଉଛି ଏବଂ ଏହା କୁ ବୃଦ୍ଧି କରାଯିବ ।</li> <li>⇒ ଇଳ ପ୍ରଦୂଷଣକୁ ନିୟନ୍ତଣ କରିବା ପାଇଁ ଚେକ୍ ଡ୍ୟାମ୍ ନିର୍ମାଣ ହୋଇଛି ଏବଂ କମ୍ପାନୀ ଅହୁରି ପଦକ୍ଷେପ ନେବ ।</li> <li>⇒ ପରିବେଶ ସୁରକ୍ଷା ପାଇଁ ଲିଜ୍ କ୍ଷେତ୍ର ଏବଂ ଅନ୍ୟାନ୍ୟ ଖାଲି ଅଞ୍ଚଳରେ ସବୁକ ବଳୟ ସୃଷ୍ଟି ଅଧିକରୁ ଅଧିକ କରା ହେବ । ଫଳ ପ୍ରଦାନ କରୁଥିବା ବୃଷ୍ଷ ମଧ୍ୟ ରୋପଣ କରାଯିବ ।</li> </ul>
୩.	୍ଷାନୀୟ ରୋଜଗାର: > ସ୍ଥାନୀୟ ଗ୍ରାମବାସୀଙ୍କୁ ଯୋଗ୍ୟତା ଅନୁଯାୟୀ ନିଯୁକ୍ତି ଦେବା ଉଚିତ୍	<ul> <li>ସ୍ଥାନୀୟ କନସାଧାରଣଙ୍କୁ ସେମାନଙ୍କର ଯୋଗ୍ୟତା ଏବଂ ଅଭିଜ୍ଞତା ଉପରେ ଆଧାର କରି ନିଯୁକ୍ତି ପାଇଁ ପ୍ରାଥମିକତା ଦିଆଯିବ ।</li> </ul>
8.	ପରିପାଶ୍ୱିକ ବିକାଶ  କ) ସଡକ ବିକାଶ  > ଗ୍ରାମ ରାଞା ମରାମତି ଏବଂ ଟେନସା ରୁ ବରସୁଆଁ ପାଇଁ ରାଞା ନିର୍ମାଣ କରନ୍ତୁ ।  > ପାର୍କିଙ୍ଗ ଜାଗା ନିର୍ମାଣ କରି ଗ୍ରାମବାସୀଙ୍କୁ ହୟାନ୍ତର କରନ୍ତୁ ।	<ul> <li>&gt; ଜିଲା ପ୍ରଶାସନର ପରାମର୍ଶ କ୍ରମେ ଗ୍ରାମ ରାୟ। ମରାମତି ପାଇଁ ପଦକ୍ଷେପ ନିଆଯିବ ।</li> <li>&gt; ଗ୍ରାମ ଲୋକଙ୍କ ସହାୟତା ରେ ପାର୍କିଙ୍ଗ ଜାଗାର ବିକାଶ କରିବା ପାଇଁ ବ୍ୟବସ୍ଥା କରାଯିବ ।</li> </ul>

ଖ) ସ୍ୱାସ୍ଥ୍ୟସେବା ସୂବିଧା    > ମୋବାଇଲ୍ ସ୍ୱାସ୍ଥ୍ୟ ଭ୍ୟାନ୍ ଏବଂ ୨୪ ଘଣ୍ଟା ଆମ୍ବୁଲାନ୍ସ ସୁବିଧା    > ରାଇକେଲା ଗ୍ରାମରେ ଡିସ୍ଟେନ୍ସାରୀ ନିର୍ମାଣ ।	<ul> <li>&gt; କମ୍ପାନୀ କର୍ତ୍ତୃପକ୍ଷ ଗ୍ରାମବାସୀଙ୍କ ପାଇଁ ୨୪ ଘଣ୍ଡିଆ ଆମୁଲାନ୍ସ ସେବା ଯୋଗାଇଛି ।</li> <li>&gt; ଗ୍ରାମବାସୀ ଏବଂ ଖଣି କର୍ମଚାରୀ ପାଇଁ ଅଫିସ ନିକଟରେ ଡିସ୍ଟେନ୍ସାରୀ କରା ଯାଇଛି ।</li> </ul>
ଗ) ଶିକ୍ଷା :  > ସ୍ଥାନୀୟ ବିଦ୍ୟାଳୟରେ ପର୍ଯ୍ୟାପ୍ତ ଶିକ୍ଷକ ନିଯୁକ୍ତି କରାଯାଉ ।  > ଛାତ୍ରୀ ମାନଙ୍କ ପାଇଁ ଶିକ୍ଷା ର ବ୍ୟବ୍ୟସ୍ଥା କରାଯାଉ ।	<ul> <li>କମ୍ପାନୀ ତରଫରୁ ଶିକ୍ଷକମାନଙ୍କୁ ନିଯୁକ୍ତି ଯୋଗାଇ ଦିଆଯାଇଅଛି ଏବଂ ବିଦ୍ୟାଳୟ ପ୍ରଶାସନର ଅନୁମୋଦନ ଅନୁଯାୟୀ ଅତିରିକ୍ତ ସୁବିଧା କରାଯିବ ।</li> <li>କମ୍ପାନୀ ଛାତ୍ରୀମାନଙ୍କ ଶିକ୍ଷା ପାଇଁ ସାହାଯ୍ୟ ପ୍ରଦାନ କରିବ ।</li> </ul>
ଘ) ଗାଁ ମାନଙ୍କରେ ଷ୍ଟ୍ରିଟ୍ ଲାଇଟ୍ ଯୋଗାଣ । ଇ) କୃଷକ ପାଇଁ ବିହନ ଏବଂ ସାର ପ୍ରଦାନ କରନ୍ତୁ ।	ଗାଁକୁ ସୋଲାର ଲାଇଟ୍ ଯୋଗାଇ ଦିଆଯିବ ।  ➢ କୃଷକମାନଙ୍କ ସହମତି କ୍ରମେ କୃଷି ଢମିରେ ବିଭିନ୍ନ ପ୍ରଜାତିର ଗଛ ଏବଂ ଫଳ ଧାରଣକାରୀ ବୃକ୍ଷ ରୋପଣ କରାଯିବ ।
ଚ) ରାଇକେଲା, ଡେଙ୍ଗୁଲା ଏବଂ ବନ୍ଧଲ ଗ୍ରାମରେ ପାନୀୟ କଳ ଯୋଗାଣ J	<ul> <li>ପାନୀୟ ଜଳ ସୁବିଧା ପାଇଁ ପ୍ରତ୍ୟେକ ଗ୍ରାମରେ ମୋଟର ଚଳାଇବା ପାଇଁ ସୋଲାର ବିଦ୍ୟୁତ୍ ବ୍ୟବ୍ୟସ୍ଥା କରାଯିବ  </li> <li>ସମୟ ଗ୍ରାମରେ ପାନୀୟ ଜଳ ସୁବିଧା ଯୋଗାଇ ଦିଆଯିବ  </li> </ul>
ଛ) ସ୍ଥାନୀୟ ଗ୍ରାମ ପିଲାମାନଙ୍କ ବିଦ୍ୟାଳୟ / କଲେଜ ଯିବା ପାଇଁ ପରିବହନ ସୁବିଧା କରାଯାଉ । ଜ) ଦକ୍ଷତା ତାଲିମ ସୁବିଧା ,ITI ପାଇଁ ଶିକ୍ଷକ ବ୍ୟବ୍ୟସ୍ଥା କରାଯାଉ ।	ବିଦ୍ୟାଳୟ ଏବଂ କଲେଜ ଯାଉଥିବା ଛାତ୍ରମାନଙ୍କ ପାଇଁ ବସ୍ ର ବ୍ୟବସ୍ଥା କରାଯିବ । ଦକ୍ଷତା ପାଇଁ କମ୍ପାନୀ ଟ୍ରେନିଂ ଯୋଗାଇବ ଏବଂ ଜିଲ୍ଲା ପ୍ରଶାସନଙ୍କ ପରାମର୍ଶ ଅନୁସାରେ I.T.I ରେ ଶିକ୍ଷକ ଯୋଗାଇ ଦିଆଯିବ ।
ଝ) ବୃଦ୍ଧ ଏବଂ ଭିନ୍ନକ୍ଷମଙ୍କ ପାଇଁ ପେନଶନ ସୁବିଧା ।	ବୃଦ୍ଧ ଏବଂ ଭିନନ୍ଷମଙ୍କୁ ଆର୍ଥିକ ସହୟତା ଦିଆଯିବ ।

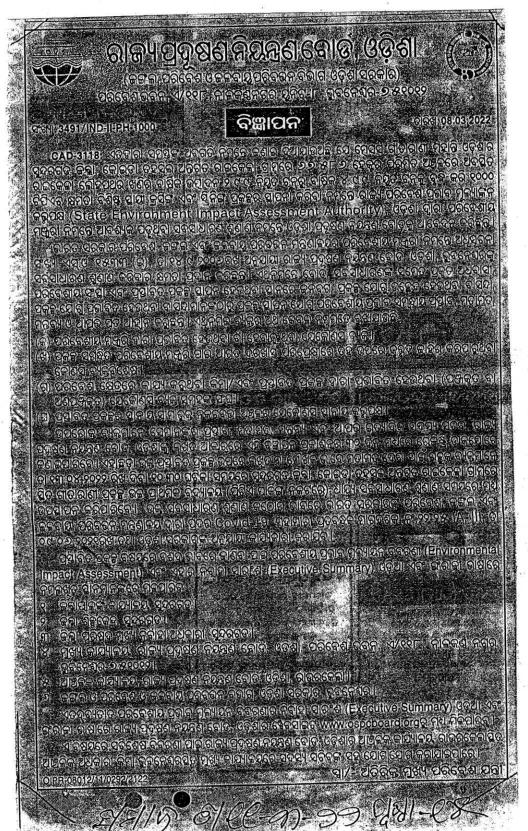
M/s. Geetara Mohanty

ଜ୍ୱିତା ହିବ ପରିବେଶ ଯନ୍ତ୍ରୀ, Managir. Q Partner (SRINIBASH SAHOO)

ଓଡିଶା ରାଜ୍ୟ ପ୍ରଦୂଷଣ ନିୟନ୍ତଣ ବୋର୍ଡ,ରାଭରକେଲା

Environmental Fingineer State Pollution Control Board Odisha ROURKELA ଉପ ଜିଲ୍ଲାପାଳ,ବଣାଇ

ସୁନ୍ଦରଗତ, ଓଡିଶା



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# STATE POLLUTION CONTROL BOARD (Department of Forest, Environment & Climate Change, Govt. of Odisha) Paribesh Bhawan, A/118, Nilakanthanagar, Unit-VIII, Bhubaneswar-751012



No. 3498/

IND HERHITOOD

Dete: 08.08.2022

# NOTICE

It is brought to the notice of all contented that IMs Getter and Mohanty has proposed to have Environmental/assessment for Ralkela from One Mines to: Enhancement in from Ore Production from 2.99 MinAto 4.99 MinAto along with 1000 1125 liked crushing and screening facility over ML area of 67 586 has in Relikela village under Kolfarchiel of Sundargath district to obtain Environmental Cleatenes from State Environment innead Assessment Authority (SEIAA). College: The proposed has applied to the State Pollution Control Board. Oddard. Birdenie war for a Builder

By virtue of Ministry of Environment, Forests & Climate Grange, Development of India, Notification No. S.O. 1503 (En Dic. 12: 09: 2006, the Board has been authorized to conduct environmental intelligible breaking and as such invites suggestions, views. comments and objections or matters relating to environmental aspects of the proposed project from all the presons follothing benefite residents, environmental groups and others located at the proposed site/sites of displacement/sites likely to be affected. For the above purpose, appeared will only meen

Any parson who is likely to be affected by the grant of Environmental Georgense. Any parson who revose his control over the project with respect to which an application has been selective for environmental electronics. Any association of paperns whether incorporated or likely to be affected by the property and the following in the field of the hope persons.

project and / or in display in the field of an informent.

D. Any local authority within any partitor whose local limits is within the neighborhood. Wherein the projectic subject to subject to be located.

Parsons as above who desire to subject their views, comments objections at a relevant to the project, may do se in writing within 30 days from the date of projections of this holice accidesing the same to the Mainber Secretary. State Pollution Control Board. Obligh through Registered Bost Besides this are sons interested to submit their views relevant to the processed mining project in writing or orally may also do so during the public hearing to be concluded on 18,04,2022 at 10,30 A,M at Gerarrafi Project Upper Primary School (Near PTA parking) in Raffela village under Kofra Tehsil of Sundargarin district Public hearing shall be conducted strictly observing quide these contained in COMID a 19 pandemic restrictions issued by the MoEFRAC, Govt. of India vide of MNo. 22425-IA III, dated 09,06,2024 as well as Govt. of Oddsina.

Persons desirous of participating in the public hearing may go through the Haviron mental Impact Assessment (EraylEnvironmental Management Plan (EMP) of the said project which will be available at the following offices. Copy of the Executive Summary both in English & Odle is also available in the following offices & the same can also be adownloaded from the weeking www.ospoboard.org free of cost.

1. Blama Collegion's Office, Sundargath.

District Industries Center, Surcencerio

the the office of the chieff require officer. Alls the islands of the chief

In the Head office of the State Pollution Control Board, Odisha, Parivesh Bhawan, AVIII-8, Milekanthanagar, Unife-VIII, Bhaoaneswar, 12, 15 to 16 to 1

Regional Office, State Pollugon Control Board Officher Rourkele.

Department of Forest Wantronneau (Environneau), Covi. of Odisha Baubanesway For any further claffication in the matter the Regional Officer State Pollution Control Board, Rounkela of the Mamber Secretary, State Pollution Control Board, Odisha at Bhubaneswarinay lie contacted.

> ADDIL CHIEFIENV ENGINEER C OIPR 08012/11/0298/21-22

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