

**MINUTES OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ORISSA HELD ON 19TH JANUARY , 2010**

The meeting of State Level Expert Appraisal Committee, Orissa was held on 19th January 2010 in the Conference Hall of Orissa State Pollution Control Board, Bhubaneswar at 11.00 AM. Dr. Gagan Bihari Nityananda Chainy, Chairman, SEAC Orissa chaired the meeting. The following members were present in the meeting.

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| 1. | Dr. Gagan Bihari Nityananda Chainy | - | Chairman |
| 2. | Professor (Dr.) Swoyam Prakash Rout | - | Member |
| 3. | Dr. Harekrishna Nayak, | - | Member |
| 4. | Dr. Moheshwar Patra, | - | Member |
| 5. | Sri S. S. Patnaik | - | Member |
| 6. | Prof. R.C. Mohanty | - | Member |

The following issues were discussed and decided

1. The committee decided to update EIA notification, 2006 including all amendment such as
 - Corrigendum November, 2006
 - Amendment October, 2007
 - Amendment 1st December, 2009
2. The Committee decided to go for a field visit to M/s Falcon Builders, Utkal Builders on 28.1.10 and Kapilash Cement Works, OCL India on 5th February, 2010.
3. The Committee decided to request SEIAA, Orissa to receive the project proposals in revised format (Revised Form-I) as per Gazette Notification No. S-O 3067(E) dated 1st December, 2009. It was also decided to request the project proponents whose projects are in pipeline to apply in revised format (Revised Form-I) as per Gazette Notification No. S-O 3067(E) dated 1st December, 2009.
4. The Committee decided to collect CRZ notification and circulate it among the members.
5. The committee decided to issue ToR for iron mine as per the model ToR prescribed by MoEF, Govt. of India.
6. It was decided to update status report of proposals received by SEAC from SEIAA

7. It was decided to request project proponent once again to submit information as sought by SEAC within one month failure to which their cases will be closed.
8. The Committee decided to request SEIAA, Orissa for a library to keep the books for reference of SEIAA/SEAC members.
9. **CONSIDERATION OF PREVIOUS PROPOSALS :**

Item No : 1

PROPOSAL OF BHANJAPALI IRON ORE MINE OF SRI J. N. PATNAIK, AT-BHANJAPALI, KOIRA BONAI, DIST – SUNDARGARH FOR ENHANCEMENT OF PRODUCTION OF IRON ORE UPTO 260000 TPA.

The proposal is for enhancement of production capacity of Iron ore from 55994 TPA to 2,60,000 TPA. The mining lease area is 18 ha. Out of total mining lease area, 12.565 ha. is DLC forest and rest non forest land. The present lease was granted to Sri J. N. Patnaik on 29.2.96 for a period of 30 years. The mining operation commenced on 1.10.97. The mine working will be opencast semi mechanized involving drilling, blasting, excavation and transportation. The water requirement is 80 KLD and source of water is ground water. The proposal was placed in the SEAC meeting held during 12th & 13th October, 2009 . SEAC decided to consider grant of environmental clearance after receipt of certain information. The proponent submitted required information and SEAC verified the documents. The SEAC suggested the following TORs for undertaking detailed EIA study:

1. Profile of the project proponent and background to establish the financial and entrepreneurial competency to undertake the project may be included.
2. Duly attested & certified Mining Plan approved by IBM may be submitted along with the copy of the current lease deed in the name of the proponent. Present status of mining lease may be given.
3. The EIA study area shall encompass 10 km radius from the mine lease boundary as buffer zone.
4. The EIA/EMP should take care of the baseline data and their EIA/EMP should reflect the cumulative effect of the pollution load to the environment rather than their own individual load since environment has no boundary. Collection of one season (non-monsoon) primary baseline data on ambient air quality, water quality, noise level, soil and flora and fauna and site-specific meteorological data should also be collected. The location of the monitoring stations should be justified.
5. Air quality modeling should be carried out for prediction of impact of the project and the existing mines in the vicinity on the air quality of the area focusing more in the villages within 3 kms from the mine. It should also take into account the impact of movement of vehicles for transportation and handling of minerals, OB including mining activity through volume source modeling. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction and speed may also be

indicated on the map. The modeling should take into consideration the existing mines in the study area as regards their polluting potential rather the existing level.

6. Availability of requisite quantity of surface, sub-surface and ground water and their source to be furnished along with water balance. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
7. Details of water bodies and drainage pattern of the ML area may be specified.
8. Progressive reclamation plan, post-mining land use, progressive mine closure and greenbelt development plan should be prepared in tabular form and be submitted. Milestones for the above activities may be specified in the table.
9. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves (existing as well as proposed), and existence of rare and endangered flora and fauna if any, within 10 km of the mine lease should be clearly indicated. Necessary clearance, if any, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above under the Wildlife (Protection) Act, 1972 and copy thereof, may be furnished.
10. A detailed biological study of the core zone and buffer zone (10 km radius of the mining lease area) should be carried out. Details of flora and fauna duly authenticated separately for core and buffer zones should be furnished based on field survey indicating the schedule of the fauna present. In case of any schedule-I fauna found in the study area, necessary plan for their conservation should be prepared in consultation with the State Forest & Wildlife Department and details may be furnished. Necessary cost details for executing the conservation measures should be furnished and incorporated as part of the project cost.
11. Occupational health impact and remedial measures thereof for the project may be studied.
12. Baseline data for health status survey for all the employees including labourers and the residents of the nearby villages within 5 km distance may be carried out. Welfare of mine workers is the prime responsibility of the project proponent. Various activities such as regular health checkups, first-aid, shelter for rest and meals, drinking water etc. are to be taken up at the project cost. Nearby mine owners may form a society and a common fund for the welfare of mineworkers may be created. Besides various Govt. schemes and other sources may be explored. This aspect has to be covered in the EMP.
13. Socio-economic impact due to project activity may be assessed and based on the study, developmental activity proposed to be undertaken by the project proponent to be specified and as far as possible, quantitative dimension to be given. Study should include Corporate Social Responsibility (CSR) and it should be carried out as the entry point activity as trust building measures.
14. Points raised/likely to be raised during public hearing and commitment of the project proponent on the same may be included.
15. The depth of the ground water table in the area vis-a-vis minable depth of the bodies may be clarified with either primary or authentic secondary data in the EIA report. Rainwater harvesting and treatment system for pumped out quarry water if any may be submitted.
16. Management of OB dumps and other solid wastes generated during mining may be addressed through incorporation of a concrete plan for the same. Proper care should be taken for treating the effluents along with rainwater harvesting and wash offs from OB dumps to adequately recharge the ground water resources.
17. Leaching study of the OB and ores may be conducted and addressed as a long-term pollution potential and remedies thereof may be proposed.

18. Colored maps depicting land use/change of the region showing sensitive / fragile features and detailed lay-out of the site clearly showing green-belt (existing & planned) should be furnished.
19. Satellite imagery of the location of mine should be submitted with demarcation of other proposed/in-operation mines in nearby area. Location is also to be shown in Tehsil map procured from the Revenue Department. This should be used as baseline information to compare the impact of mining in the area in future.
20. Risk assessment and disaster management plan should be given.
21. EMP taking into account the pre- and post-project environment impacts may be included.
22. Any litigation/ court case pending against the proposal should also be included.
23. The consultant could not clarify the methodology to be adopted for collection and analysis of PM10 particles as per the latest MoEF guidelines. They should make sure that the methodology followed is as specified by the Ministry/CPCB and meet BIS standards. Specified methodology may also be adopted for CO estimation.

Item No : 2

It was decided to call the project proponent as per the following list to give presentation on 16th and 17th February 2010 for consideration by the SEAC. .

1.	MURGABEDA IRON ORE MINES OF M/S. D. R. PATNAIK TO INCREASE IRON ORE PRODUCTION FROM 0.12 MTPA TO 2.0 MTPA AT – MURGABEDA, DEOJHAR, DIST – KEONJHAR	The project proponent has to submit Executive summary as per EIA notification to all the members and copy of compliance report of the unit if the compliance of the unit shall be sent to members for verification.
2.	“M/S. VIPUL LIMITED” VIPUL GARDENS AT MOUZA SHANKARPUR, BHUBANESWAR	The project proponent has to submit copy of BDA approval map and copy of compliance report of the unit if the compliance of the unit shall be sent to members for verification.
3.	SURGUTURIA IRON ORE MINE OF M/S. NARAYANI SONS PVT. LTD, AT – SURGUTURIA, BARBIL, KEONJHAR FOR EXPANSION IN PRODUCTION OF IRON ORE FROM 36000 TO 200165 TPA AND DOLERITE 5000000 TPA OVER AN AREA OF 41.517 HA.	To be called for presentation on 16 – 17 February 2010
4.	BADIBAHAL GRAPHITE MINES OVER AN LEASE HOLD AREA OF 24.915 HA AT – BADIBAHAL, LANJIGARH IN KALAHANDI DISTRICT.	To be called for presentation on 16 – 17 February 2010
5.	M/S. DALATA IRON & MANGANESE ORE MINE FOR PRODUCTION OF IRON ORE 2,50,000 TPA OVER AN AREA OF 22.165 HA. AT – DALTA, BONAI DIST – SUNDARGARH	To be called for presentation on 16 – 17 February 2010
6.	M/S. SOLEBANDH GRAPHITE MINE FOR PRODUCTION OF GRAPHITE ORE 1097 TPA OVER AN AREA OF 25.961 HA. AT – SOLEBANDH, DIST – BOLANGIR	To be called for presentation on 16 – 17 February 2010

7.	M/S. KATASAH I MANGANESE MINE OF FERRO ALLOYS CORPORATION LIMITED , KATASAH I, KEONJHAR	To be called for presentation on 16 – 17 February 2010
8.	GONUA IRON AND MANGANESE ORE MINES AT/PO – GONUA, BONAI, DIST SUNDARGARH OF SHRI K. C. PRADHAN FOR IRON ORE PRODUCTION OF 50,000 TON/ANNUM	To be called for presentation on 16 – 17 February 2010
9.	M/S. S.J. DEVELOPERS & HOUSING PRIVATE LTD, BHUBANESWAR	To be called for presentation on 16 – 17 February 2010
10.	SARAF RETREATS PVT. LTD.MULTISTORIED BUILDING AT BAMIKHAL WITH BUILT-UP AREA 372874 SQFT	To be called for presentation on 16 – 17 February 2010
11.	PROPOSAL OF ADAGHAT IRON ORE MINES OVER AN AREA 15.07 HA, VILLAGE – ADAGHAT, DIST – SUNDARGARH	To be called for presentation on 16 – 17 February 2010
12.	Proposal of Sagasahi Iron ore mine of M/s National Enterprises to produce Iron Ore 32320 MTPA in the ML area of 44.144 Ha.	To be called for presentation on 16 – 17 February 2010

(GAGAN BIHARI NITYANANDA CHAINY)
CHAIRMAN, SEAC

(DR. SWOYAM PRAKASH ROUT)
MEMBER, SEAC

(DR. HAREKRISHNA NAYAK)
MEMBER, SEAC

(DR. MOHESHWAR PATRA)
MEMBER, SEAC

(SRI SASANKA SEKHAR PATNAIK)
MEMBER, SEAC

(DR. SURENDRA NATH DAS)
MEMBER, SEAC

(DR. R. C. MOHANTY)
MEMBER, SEAC

(PROF. KUMAR DAS)
MEMBER, SEAC

(SRI. S. DAS)
SECRETARY, SEAC

