

**MINUTES OF THE MEETING OF STATE LEVEL EXPERT APPRAISAL
COMMITTEE, ORISSA HELD ON 8th and 9th APRIL 2010**

The meeting of State Level Expert Appraisal Committee, Orissa was held on **8th and 9th APRIL** 2010 in the Meeting 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.

1.	Prof. Gagan Bihari Nityananda Chainy	-	Chairman
2.	Prof. Swoyam Prakash Rout	-	Member
3.	Dr. Harekrishna Nayak,	-	Member
4.	Dr. Moheshwar Patra	-	Member
5.	Prof. R. C. Mohanty	-	Member
6.	Prof. Kumar Das,	-	Member
7.	Sri Sasanka Sekhar Pattnaik,	-	Member

The following issues were discussed and decided/

1. **The SEAC decided to indicate the validity period of ToRS as per MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAII(I) dt. 22.3.10 while issuing ToR to the project proponent.**
2. **Letters to be issued to all the project proponent where ToRs have already been issued indicating the validity period of ToRS as per MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAII(I) dt. 22.3.10**

A total of 10 project proponents were invited for presentation and appraisal of their projects followed by discussion for prescribing TORs. The agenda-wise proceedings and deliberations of the meeting of the committee are detailed below :

ITEM NO. 1

**PROPOSAL OF M/S. ADAGHAT IRON ORE MINES, TO PRODUCE IRON ORE
36,000 MTPA IN THE ML AREA OF 15.074 HA. VILLAGE – ADAGHAT DIST –
SUNDERGARH**

The project proponent informed that he had applied for approval of modified mining plan for higher production and he would apply for environmental clearance afresh for higher production. After detail deliberation, the SEAC decided to de-list the proposal and close the file and return the documents to SEIAA.

ITEM NO. 2

PROPOSAL OF M/S. SAGASAH I IRON ORE MINES TO PRODUCE IRON ORE 32320 TPA OVER THE ML AREA OF 44.144 HA. VILLAGE – SAGASAH I DIST–SUNDERGARH

The project proponent informed that he had applied for approval of modified mining plan for higher production and he would apply for environmental clearance afresh for higher production. After detail deliberation, the SEAC decided to de-list the proposal and close the file and return the document to SEIAA .

ITEM NO. 3

BADIBAHAL GRAPHITE MINE OF M/S SMT SARALA SHARMA OVER AN MINE LEASE AREA 24.915 HA AT BADIBAHAL VILLAGE- BADIBAHAL, P.S – LANGIGARH IN THE DISTRICT OF KALAHANDI

The proposal was considered by the SEAC to determine the Terms of Reference (TOR) for taking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA notification, 2006. The project proponent had submitted information in the prescribed format (Form-I) along with pre-feasibility report. According to the informations given in Form-I and presentations made by the proponent, the proposal is for production of Graphite ore **15,000** TPA. The mining lease area is **24.915** and total lease area is non-forest land. Initially the Mining plan was approved vide IBM's letter No. BBS/ KLN/ Grph/ MP- 58 dated 31.08.2000 over an area of 24.915 Ha. The lease was executed on 30.12.2000 over M.L area of 24.915 ha for the period of 20 years. The 1st review of mining plan or mining scheme was approved vide letter No.MS/MAN/43-ORI/BHU/2008-09 on 16.03.2009 for the period of 2006-07 to 2010-11. The mine working will be manual opencast. The water requirement is 15 KLD and water will be collected from the near by pond. Considering the information furnished and presentation made by the consultant Sri P.R. Mishra , M/s EARTH & ENVIRONMENT, Plot No. 652, Ekamra Villa, IRC Village, Bhubaneswar of the project proponent, the SEAC prescribed the following TORs for undertaking detailed EIA study:

1. Profile of the project proponent and his background to establish the financial and entrepreneurial competency to undertake the project may be included.
2. Duly attested & certified Mining Plan approved by competent authority 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 area boundary as buffer zone.
4. 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 than the existing level. Since the consultant is already working in the area for other proponents, the baseline data and air sampling stations proposed in the buffer zone are likely to overlap. This would make the EIA estimation erratic. The present core zone may have additional air sampling stations at different heights since the wind speed/direction is likely to be different and thus prediction modeling would be erratic.
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 area 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 checkup, 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. 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.
18. 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.
19. Risk assessment and disaster management plan should be given.
20. EMP taking into account the pre- and post-project environment impacts may be included.
21. Any litigation/ court case pending against the proposal should also be included.
22. The EIA report should include the specified methodology to be adopted for collection and analysis of 12 air quality parameters as per the Central Pollution Control Board Notification No. B-29016/20/90/PCI-L dated 18th November 2009 published in the Gazette of India Part III-Section 4 No 217 Extraordinary. The analytical methods to be followed as specified in the above notification are to be mentioned for the New National Ambient Air Quality Standards
23. **This Terms of References (TORs) is valid for a period of two years from the date of issue of TORs for submission of the EIA/EMP report after public consultation.(This is in conformity with the MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAI(I) dt. 22.3.10).**

ITEM NO. : 4

PROPOSAL OF EXPANSION OF DALITA IRON & MANGANESE MINES M/S. OF SHRI B.C DAGARA FOR PRODUCTION OF IRON ORE 2,50,000 TPA OVER AN AREA OF 22.165 HA. VILLAGE- DALITA, P.S/SUB/DIV – BONAI, DIST – SUNDARGARH, ORISSA.

The proposal was considered by the SEAC to determine the Terms of Reference (TOR) for taking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA notification, 2006. The project proponent had submitted information in the prescribed format (Form-I) along with pre-feasibility report. According to the Form-I and presentations made by the proponent, the proposal is for production of Iron ore **2,50,000 TPA**. The mining lease area is **22.165 ha** and total lease area is forest land. Forest Diversion Proposal (FDP) is under process. Initially the Mine plan was approved vide letter No.BBS/SNG/Fe & Mn/MP – 117 Dtd.14.02.2002 over an area of 22.165 Ha. The lease was executed on 28.06.2003 over M.L area of 22.165 ha for the period of 20 years. The Modification on approved Mining Plan was approved vide letter No. MPM/OTF.MECH/29-ORI/BHU/2008-09 Dtd. 24.03.2009 of IBM for production of 2,50,000 TPA. The mine working will be Open cast, Manual mining and semi-mechanised . . The water requirement is 15 KLD and source of water is ground water. Considering the information furnished and presentation made by the consultant Sri P.R. Mishra , M/s EARTH & ENVIRONMENT, Plot No. 652, Ekamra Villa, IRC VillageBhubaneswar of the project proponent, the SEAC prescribed the following TORs for undertaking detailed EIA study:

1. Profile of the project proponent and background to establish the financial and Profile of the project proponent and his background to establish the financial and entrepreneurial competency to undertake the project may be included.
2. Duly attested & certified Mining Plan approved by competent authority 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 area boundary as buffer zone.
4. 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 predominant 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 EIA report should include the specified methodology to be adopted for collection and analysis of 12 air quality parameters as per the Central Pollution Control Board Notification No. B-29016/20/90/PCI-L dated 18th November 2009 published in the Gazette of India Part III-Section 4 No 217 Extraordinary. The analytical methods to be followed as specified in the above notification are to be mentioned for the New National Ambient Air Quality Standards.
24. **This Terms of References (TORs) is valid for a period of two years from the date of issue of TORs for submission of the EIA/EMP report after public consultation.(This is in conformity with the MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAII(I) dt. 22.3.10).**

ITEM NO. 5

SOLBANDH GRAPHITE MINE OF SHRI RAMESH KUMAR AGRAWAL OVER AN MINE LEASE AREA 25.961 HA. VILLAGE- SOLBANDH, P.S – PATNAGARH, SUBDIVISION – PATNAGARH IN THE DISTRICT OF BOLANGIR

The proposal was considered by the SEAC to determine the Terms of Reference (TOR) for taking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA notification, 2006. The project proponent had submitted information in the prescribed format (Form-I) along with pre-feasibility report. Considering the information furnished and presentation made by the consultant Sri **P.R. Mishra** , **M/s EARTH & ENVIRONMENT, Plot No. 652, Ekamra Villa, IRC Village, Bhubaneswar** of the project proponent, the SEAC prescribed the following TORs for undertaking detailed EIA study:

1. Profile of the project proponent and his background to establish the financial and entrepreneurial competency to undertake the project may be included.
2. Duly attested & certified Mining Plan approved by competent authority 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. 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 than the existing level. Since the consultant is already working in the area for other proponents, the baseline data and air sampling stations proposed in the buffer zone are likely to overlap. This would make the EIA estimation erratic. The present core zone may have additional air sampling stations at different heights since the wind speed/direction is likely to be different and thus prediction modeling would be erratic.

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 area 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 checkup, 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. 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.
 18. 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.
 19. Risk assessment and disaster management plan should be given.
 20. EMP taking into account the pre- and post-project environment impacts may be included.
 21. Any litigation/ court case pending against the proposal should also be included.
 22. The EIA report should include the specified methodology to be adopted for collection and analysis of 12 air quality parameters as per the Central Pollution Control Board Notification No. B-29016/20/90/PCI-L dated 18th November 2009 published in the Gazette of India Part III-Section 4 No 217 Extraordinary. The analytical methods to be followed as specified in the above notification are to be mentioned for the New National Ambient Air Quality Standards
 23. **This Terms of References (TORs) is valid for a period of two years from the date of issue of TORs for submission of the EIA/EMP report after public consultation.(This is in conformity with the MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAII(I) dt. 22.3.10).**

ITEM NO. 6

EXPANSION OF SURGUTURIA IRON RE MINE OVER AN ML AREA OF 41.517 HA. OF M/S NAARAYANI SONS (P) LTD. AT VILLAGE – SURGUTURIA (BHOLBEDA), TEHSIL- BARBIL, DISTRICT KEONJHAR, ORISSA

The proposal was considered by the SEAC to determine the Terms of Reference (TOR) for taking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA notification, 2006. The project proponent had submitted information in the prescribed format (Form-I) along with pre-feasibility report. According to the informations given in Form-I and presentations made by the proponent, the proposal is for enhancement of production of IRON ORE from 36,000 TPA to 1,64,165 TPA and production of dolerite 3,00,160 TPA. The mining lease area is 41.517 ha..Out of 41,517 ha, 38.882 ha is forest land. The mine has applied for DRP on 03.09.2009, which is under process. The Mining Plan & Progressive Mine Closure Plan were approved on 18.12.09 for 5 years (2010-11 to 2014-15). The mine working will be opencast semi mechanized. The water requirement is 50 KLD and **water will be collected from Baitarani river**. Considering the information furnished and presentation made by the consultant Sri **Gangadhar Sahoo**, **M/s S.S Environics (India) Pvt Ltd Patrapada Bhubaneswar** of the project proponent, the SEAC observed the following

- The mine owner has applied for renewal of 41.517 ha out of 99.784 ha. of ML area. The mine owner has clarified that he had surrendered the lease of 99.784 ha and the remaining mine lease of 41.517 ha has been renewed.
- The mine owner has not submitted supportive documents regarding surrendering of the lease. Since the total lease area is 50 ha, SEAC opined that it would not be appropriate to take any decision without confirming the actual status of the lease at present.

The SEAC decided to defer the proposal till satisfactory compliance to the aforesaid observations are made by the project proponent.

ITEM NO. 7

PROPOSAL OF MULTISTORIED BUILDING AT BAMIKHAL WITH BUILT-UP AREA 372874 SQFT. BY M/S. SAFAR RETREATS PVT. LTD.

The proponent could not attend the meeting probably to lack of time. The committee decided to defer the case.

ITEM NO. 8

PROPOSED EXPANSION OF INDUCTION FURNACE TO PRODUCE MS INGOTS FROM 13500 TPA TO 36000 TPA OF M/S RADHARAMAN ALLOYS LTD, AT – JHARBEDA, PS – KUTRA, RAJGANGPUR, DIST – SUNDERGARH

The proposal was considered by the SEAC to determine the Terms of Reference (TOR) for taking detailed EIA study for the purpose of obtaining environmental clearance in accordance with the provisions of the EIA notification, 2006. The project proponent had submitted information in the prescribed format (Form-I) along with pre-feasibility report..

The project authorities and their consultant gave a detailed presentation on the salient features of the project. The unit has proposed for modification of existing 1X 4,5 T to 1X 6T and an additional 1X 6T induction furnaces by increasing production quantity from 13, 500 TPA to 36,000 TPA . The proposed expansion-cum-modification will be carried out in existing premises, which is already developed for industrial purpose. The total area acquired for the existing and the proposed expansion of the plant will be 3.61 Acres No additional land is proposed to be acquired The cost of the project will be Rs. 410.65 lacs. Eco-sensitive area is located within 10 km periphery of the plant. Considering the information furnished and presentation made by the consultant Sri Mitu Behera of . VISIONTEK CONSULTANCY SERVICES PVT. LTD. BHUBANESWAR, ORISSA of the project proponent, the SEAC prescribed the following Terms of Reference (TOR) for preparation of EIA/EMP reports.

1. The unit shall submit registration certificate of the industry from competent authority and include profile of project proponent and background to establish the financial and entrepreneurial competency to undertake the project.
2. Present land use based on satellite imagery shall be given. Location of national parks and reserve forests within 10 km. radius shall be given. The study area of the buffer zone should be 10km irrespective of the likely effects of adjoining manufacturing and processing units in the area since the locality is getting fast polluted with new industries coming up, affecting the natural threshold limits. A list of industries indicating name and type within 10 km radius should be incorporated.
3. Manufacturing process details, list and quantity of raw materials required, their sources and details of the air pollution control equipments to be provided.
4. Site-specific meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall may be included.

5. Baseline data on emissions, wastewater generation and solid waste management shall be given. One season data for gaseous emissions other than monsoon season is necessary.
6. Ambient air quality at 8 locations within the study area of 10 km radius of the project site with at least one AAQMS in downwind direction shall be carried out.
7. Air quality modelling for specific pollutants from various sources and APCS for the control of emissions may be given.
8. Impact of the transport of the raw materials and end-products on the surrounding environment should be assessed and provided.
9. An action plan to control and monitor secondary fugitive emissions from all the sources should be included.
10. Permission for the drawl of water and water balance data including quantity of effluent generated, recycled, reused and discharged are to be provided. Methods adopted/to be adopted for the water conservation should be included.
11. Ground water monitoring, minimum at 8 locations and near solid waste dump zone should be carried out,
12. Details of land to be used for solid waste disposal should be included.
13. Risk assessment and damage control needs to be addressed.
14. Occupational health of the workers need elaboration.
15. Green belt development plan and a scheme for rainwater harvesting have to be included in EIA/EMP.
16. Socio-economic development activities need to be elaborated.
17. Detailed Environment management Plan (EMP) / and Environment Monitoring Programme with specific reference to air pollution control system, water management, monitoring frequency, responsibility and time bound implementation plan may be given. EMP should include the concept of waste-minimisation, recycle/reuse/recover techniques, energy conservation and natural resource conservation.
18. A tabular chart of the issues raised and addressed during public hearing/public consultation should be provided.
19. Any litigation/ court case pending against the proposal should also be included.
20. The EIA report should includes the specified methodology to be adopted for collection and analysis of 12 air quality parameters as per the Central Pollution Control Board Notification No. B-29016/20/90/PCI-L dated 18th November 2009 published in the Gazette of India Part III-Section 4 No 217 Extraordinary. The analytical methods to be followed as specified in the above notification are to be mentioned for the New National Ambient Air Quality Standards.
21. **This Terms of References (TORs) is valid for a period of two years from the date of issue of TORs for submission of the EIA/EMP report after public consultation.(This is in conformity with the MoEF, Govt. of India office memorandum No. J-11013/41/2006-IAII(I) dt. 22.3.10).**

ITEM NO. 9

**PROPOSAL OF MULTISTORIED BUILDING AT OF GENPACT, DLF IT PARK
INFOCITY IT SPECIAL ECONOMIC ZONE (SEZ) CHANDAKA I/E, BHUBANESWAR**

The proponent could not attend the meeting probably due to lack of time. The committee decided to defer the case.

ITEM NO. 10

**PROPOSAL OF MULTISTORIED APARTMENTS OF M/S. MANITIRUMALA, AT
PATIA, BHUBANESWAR**

The proponent could not attend the meeting probably due to lack of time. The committee decided to defer the case.

**(PROF. GAGAN BIHARI NITYANANDA CHAINY)
CHAIRMAN, SEAC**

**(PROF. SWOYAM PRAKASH ROUT)
MEMBER, SEAC**

**(PROF. KUMAR DAS)
MEMBER, SEAC**

**(DR. MOHESHWAR PATRA)
MEMBER, SEAC**

**(DR. HAREKRISHNA NAYAK)
MEMBER, SEAC**

**(PROF. R. C. MOHANTY)
MEMBER, SEAC**

**(DR. SURENDRA NATH DAS)
MEMBER, SEAC**

**(SRI SASANKA SEKHAR PATNAIK)
MEMBER, SEAC**

**(SRI S. DAS)
SECRETARY, SEAC**

