MINUTES OF 41st MEETING OF STATE EXPERT APPRAISAL **COMMITTEE HELD ON 26th November, 2009**

1.0 **Opening Remarks of the Chairman**

The Chairman welcomed all the members of the Committee (Annexure-1) and thereafter agenda items were taken up for deliberations. The list of participants present during meeting is annexed as Annexure-2.

2.0 **Consideration of the Projects**

Following issues were discussed and decided:-

- A. 13 proposals (for TOR / EIA deliberations) were discussed and considered. Out of these proposals only 08 proposals were presented before the committee.
- B. It is decided to hold the 42nd 43rd and 44th (if required) meetings on 21st, 22nd and 23rd December 2009 respectively.
- C. In view of the column 7(c) of the Schedule of EIA Notification -2006, committee has requested SEIAA to intimate the Industries Department that all new Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes covered in the EIA Notification (column 7(c) of the Schedule) shall be required to obtain Environmental Clearance from SEIAA prior to development and notification.
- D. Minutes of the discussion held for query replies are being prepared separately.

TOR Deliberations:

448/2009

M/s Smt.Manju Singh, Legal Heir of Late Sh. Gopal Saran Singh P.O.- Satna Distt.-Satna (M.P.) Bhatiya Limestone Mine, - 8.094 Ha., Capa. - 40000 TPA at Village-Bhatiya, Tehsil-Maihar, Distt.- Satna (M.P.) For - TOR

Despite of third opportunity, neither the PP nor his representative was present to help in understanding the location base documents etc. nor to explain discrepancy / gap if found any during the deliberation. It was felt that the PP may not be interested to continue the project, hence committee decided to send back the case to SEIAA for further action in the matter.

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| Chairman SEAC | Member SEAC | Member SEAC |
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| (A.P. Shrivastava) | | (R.K. Jain) |
| Invitee Member | | Secretary SEAC |



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2. 449/2009

M/s Smt.Manju Singh, Legal Heir of Late Shri Gopal Saran Singh P.O.- Satna Distt.-Satna (M.P.) Bamohari Limestone Mine, - 5.058 Ha., Capa. - 25000 TPA at Village- Bamohari, Tehsil-Raghurajnagar Distt.- Satna (M.P.) <u>For - T0R</u>

Despite of third opportunity, neither the PP nor his representative was present to help in understanding the location base documents etc. nor to explain discrepancy / gap if found any during the deliberation. It was felt that the PP may not be interested to continue the project, hence committee decided to send back the case to SEIAA for further action in the matter.

3. 450/2009

M/s Smt. Manju Singh, Legal Heir of Late Shri Gopal Saran Singh P.O.- Satna Distt.-Satna (M.P.) Bamohari Limestone Mine, - 9.732 Ha., Capa. - 42000 TPA at Village- Bamohari, Tehsil-Raghurajnagar Distt.- Satna (M.P.) <u>For - TOR</u>

Despite of third opportunity, neither the PP nor his representative was present to help in understanding the location base documents etc. nor to explain discrepancy / gap if found any during the deliberation. It was felt that the PP may not be interested to continue the project, hence committee decided to send back the case to SEIAA for further action in the matter.

4. 471/2009

Invitee Member

M/s Madhya Pradesh Road Development Corporation Ltd. 16-A,Arera Hills,Distt.-Bhopal SH-31(Lebed) to NH-3 (Manpur) road (4-Lane Road Project) *For - T0R*

This being an Expansion of State Highways greater than 30 km involving additional right of way greater than 20m, passing with in the State and involving land acquisition is listed at S.N. 7(f) of the schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

This is a case of a construction of 4-lane road connecting SH-31 to NH-3 from Lebad to

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(A.P. Shrivastava) (R.K. Jain)



Secretary SEAC

Manpur. Total length proposed is 34.30 Km and proposed right of way (ROW) is 45 meters. Existing ROW available is 18 to 30 meters. The proposed road passes through Dhar and Indore districts of the State. It is reported that no Forest shall be intersected. Total land proposed for acquisition is 165.432 Ha. which consist 116.644 Ha of private land and 48.788 Ha of Govt. land. Total no. of villages affected is 18. The project cost is reported to be Rs 218.41 Crore. Proponent has informed that collection of baseline environmental data has already been initiated in accordance to the TOR approved earlier by MoEF for other such projects. PP has proposed the terms of reference to carry out EIA/EMP and has requested the committee for approval of the same.

After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

- Criteria for selection of the proposed route have to be dealt in detail.
- Utilization of fly-ash in the project has to be explored.
- Connectivity of the villages coming on the way with the main road has to be ensured.
- ➤ Measures to mitigate the expected increased noise pollution have to be dealt in detail.
- ➤ Plantation in at-least 7.5 meters broad strip on either side of the proposed road has to be taken up in such a way that grown trees are not removed in future expansion if any. Accordingly scheme has to be submitted with EIA.
- Mines, Stone-crushers and hot-mix plants likely to operate during execution shall take the mandatory consents from M.P. Pollution Control Board prior to establish.
- Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.
- > Public Hearing has to be conducted in Indore as well as in Dhar District.

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5. 472/2009

M/s N.M.Dubash Stone & Lime Co. Pvt.Ltd. Station Road, Maihar Distt- Satna (M.P.) Kachgawan Limestone and Dolomite Mine at Village-Kachgawan Tehsil-Murwara, Distt.- Katni, Area- 7.42 Ha. Cap.-1,60,000 TPA *For - T0R*

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

The applicant, presented the salient features of the project .Information pertaining to the above project was examined by the committee. This is a case of a old mine which is presently closed. Open-cast other than fully mechanized (OTFM) mining has been proposed, mining shall not intersect the GW table. Nearest village is reported Kachhgawan which is about 1 Km from the lease boundary. Road, railway line and forest boundary is about 1 Km from the lease area boundary. Water requirement is 15m3 /day. After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

- Duly attested & certified Mining Plan approved by IBM has to be submitted along with the copy of current lease deed and lease letter issued by the State Mining Corporation.
- Ambient air quality has to be monitored as per the provision of new notification of MoEF (November 2009)
- Monitoring has to taken up as per the norms using appropriate air/water quality modeling, based on meteorological data (wind-rose) of the region.
- All chemical analyses report from approved laboratory in original format. The chemical analyses should incorporate method of analyses, instruments used and the details of standards used. The date and time of sampling should also be mentioned in the report.
- Total area for which afforestation has been proposed plan stating how much plantation shall be taken up yearly, has to be submitted. Plantation of local species along with Sheesham, Neem, Tendu, Kachnar & various fire-wood trees should be taken up. Map showing green belt to be submitted with EIA.

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- Plantation in at least 33% of the total area has to be ensured with the lease period; accordingly plan has to be submitted with EIA.
- PFR should include cost benefit analyses considering- social cost, environment cost and pre-occupational cost.
- For welfare of the mine-workers various activities such as regular health checkups, first-aid, shelter for rest and meals, drinking water etc. has to be taken up. Nearby mine owners may form a society and funds for welfare of mine-workers may be created from various govt. schemes and other sources. This aspect has to be covered in the EMP.
- Management of OB solid waste generated during mining has to be addressed through incorporation of a concrete plan for the same.
- Water-shed management plan to be submitted, in view of the damages caused in the catchment-area of rivers falling in the prescribed study area of mining region & to support the ground-water recharging.
- In land use map, details regarding the agricultural crops pattern around the mining area should also be added.
- Map depictions: coloured maps depicting land use of the region showing sensitive / fragile features and detailed lay-out of the site clearly showing green-belt (existing & planned)
- Species proposed in the green belt development should be notified.
- Satellite Image 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 revenue department.
- The EIA should be prepared based on model TOR for appraisal of mining projects issued by MoEF, Delhi
- NOC from Gram Panchyat.
- NOC from the concerned DFO, with copy of five yearly report (Panch-Salana) from Patwari.
- Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.

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6. 474/2009

M/s Sukhdeo Prasad Goenka, Station Road, Katni Distt. - Katni (M.P.) Harraina Limestone Mine (7.065 Ha) Cap.- 4000 TPA at Village- Harraina, Tehsil-Vijayraghogarh, Distt-Katni *For - T0R*

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

The applicant, presented the salient features of the project .Information pertaining to the above project was examined by the committee. This is a case of an old mine which is presently closed. Open-cast, other than fully mechanized (OTFM) mining has been proposed, mining shall not intersect the GW table. Nearest village reported is Dhawai which is about 1.5 Km from the lease boundary. Road is about 500 meters and forest is more than 250 meters from the lease boundary. After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

- Duly attested & certified Mining Plan approved by IBM has to be submitted along with the copy of current lease deed and lease letter issued by the State Mining Corporation.
- Ambient air quality has to be monitored as per the provision of new notification of MoEF (November 2009)
- Monitoring has to taken up as per the norms using appropriate air/water quality modeling, based on meteorological data (wind-rose) of the region.
- All chemical analyses report from approved laboratory in original format. The chemical analyses should incorporate method of analyses, instruments used and the details of standards used. The date and time of sampling should also be mentioned in the report.
- Total area for which afforestation has been proposed plan stating how much plantation shall be taken up yearly, has to be submitted. Plantation of local species along with Sheesham, Neem, Tendu, Kachnar & various fire-wood trees should be taken up. Map showing green belt to be submitted with EIA.

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- Plantation in at least 33% of the total area has to be ensured with the lease period; accordingly plan has to be submitted with EIA.
- PFR should include cost benefit analyses considering- social cost, environment cost and pre-occupational cost.
- For welfare of the mine-workers various activities such as regular health checkups, first-aid, shelter for rest and meals, drinking water etc. has to be taken up. Nearby mine owners may form a society and funds for welfare of mine-workers may be created from various govt. schemes and other sources. This aspect has to be covered in the EMP.
- Management of OB solid waste generated during mining has to be addressed through incorporation of a concrete plan for the same.
- Water-shed management plan to be submitted, in view of the damages caused in the catchment-area of rivers falling in the prescribed study area of mining region & to support the ground-water recharging.
- In land use map, details regarding the agricultural crops pattern around the mining area should also be added.
- Map depictions: coloured maps depicting land use of the region showing sensitive
 / fragile features and detailed lay-out of the site clearly showing green-belt
 (existing & planned)
- Species proposed in the green belt development should be notified.
- Satellite Image 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 revenue department.
- The EIA should be prepared based on model TOR for appraisal of mining projects issued by MoEF, Delhi
- NOC from Gram Panchyat.
- NOC from the concerned DFO, with copy of five yearly report (Panch-Salana) from Patwari.
- Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.

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7. 473/2009

M/s Jaideep Ispat & Alloys Pvt. Ltd. (Unit-II) 103,Laxmi Tower, 1st Floor 576, M.G. Road - Indore(M.P.) Unit of Rolling Mill (Cap: 1.0 Lac MT/Year TMT-BAR) & Induction furnace (75000 MT/Year - Ingots and Billets) at Industrial Area-Pithampur, Distt.-Dhar *For - T0R*

The case being Secondary metallurgical processing industry has been covered under 3(a)(c) of the Schedule of EIA Notification 2006 and has to be appraised by the SEAC. The unit is proposed in Ind. Area - Pithampur, Distt.-Dhar (M.P.), hence public hearing may not be required. Proponent presented the salient features of project and proposed TOR. Total area is 36000 Sqm. out of which 12000 Sqm. will be reserved for the plantation. It was reported that industry will use furnace Oil / CNG as fuel .Water requirement 130 KLD, Source of water supply- AKVN, LNG from GAIL. Stack height of 30 Meter equipped with dust collector & cyclone separator is proposed to install in furnace After deliberation committee has decided to issue following additional TOR to carry out EIA.

- a) EIA should cover the details of hazardous substances (raw materials) being used in the process in form an inventory mentioning their source (suppliers), on-site storage quantities, mode of storage, handling procedures, transportation mode to the site, safety measures to be adopted etc.
- b) EIA should properly address all types of hazardous wastes expected from the industry including their source of generation, quantities, on-site storage facility, transportation to the disposal sites, mode of disposal and handling etc.
- c) Quantity of water required for various uses (industrial, domestic etc.) and its source has to be furnished in the report along with the commitment letter/ permission from the authorities.
- d) Map depictions: coloured maps depicting land use of the region showing sensitive / fragile features and detailed lay-out of the site clearly showing green-belt (existing & planned).
- e) A detailed lay out of the site has to be furnished clearly showing the proposed green belt (at least 33%). Total area for which afforestation has been proposed plan stating how much plantation shall be taken up yearly, has to be submitted. Species proposed in the green belt development should be notified. Local and suitable species should be planted. Map showing green belt to be submitted with EIA.

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f)

- g) Environmental monitoring including air, surface-water, ground-water, noise and soil has to be carried out as per standard procedures. Interpretation of Results should be presented using standard models.
- h) All chemical analyses report from approved laboratory in original format. The chemical analyses should incorporate method of analyses, instruments used and the details of standards used. The date and time of sampling should also be mentioned in the report.
- i) Detail drawing and design of Effluent Treatment Plant / STP has to be furnished along with disposal of treated effluent. Lay out showing location of the ETP to be furnished (if required).
- j) Process-flow chart of each product, Material balance and Water balance sheet should be furnished with report.
- k) Efficiency of Air Pollution Control equipment and expected / designed emission from furnaces has to be addressed.
- l) Analysis of fuel (% of Sulphur content) & Elaborated criterion for selecting the stack height.
- m) Industry being highly air polluting the pollution control equipments proposed for installation should be dealt in detail.
- n) The EIA report should be prepared using state of art techniques and accordingly the effective EMP should be furnished with the report.
- o) Manufacturing Technology to be adopted by the industry should be dealt in detail along with its comparison with the other similar type of industries. Management plan for solid wastes including the hazardous wastes has to be furnished with the report.
- p) Compliance of the terms and conditions of the existing Consents / Authorization issued by MPPCB has to be presented point-wise.
- q) Comparative statement for existing and proposed expansion regarding water consumption, effluent, fuel, power, raw material, product, quantity of solid waste and other relevant parameters has to be furnished.
- r) Commitment from GAIL for supply of CNG to be furnished.
- s) List of surrounding industries along with industrial area map with in 2 Km radius to be submitted.
- t) Distance of the unit from highway, railway and habitats.
- u) Ambient air quality has to be monitored as per the provision of new notification of MoEF (November 2009)

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- v) Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.
- w) Quantity of Slag, its analysis, & disposal to be worked out.
- x) Letter from Industries department stating date of establishment/Notification of the Pithampur industrial area has to be furnished.
- y) Possibilities of heat recovery have to be explored and execution plan for heat recovery has to be submitted.

8. 475/2009

M/s CLC Textile Park private Limited, Shankar Nagar, Nagpur Road, Pandurna, Distt.-Chindwara (M.P.)

Proposed Thermal Power Plant 10 MW at Village - Hiwara, Tehsil- Pandurna, Distt.-Chindwara (M.P.) *For - T0R*

This being a Thermal Power Plant with production capacity of < 500 MW (based on coal) is listed at S.N. 1(d) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC.

The applicant, presented the salient features of the project .Information pertaining to the above project was examined by the committee. After discussion on the project it was revealed that:

This is a fresh case for production of power to the tune of 10 MW at Textile Park Hiwara, Tehsil- Pandurna, Distt.-Chindwara (M.P.). Land diversion order from SDM Pandurna has been submitted by the PP. As the project is proposed in private diverted land, public Hearing has to be conducted. The proposed site is surrounded by agriculture land. The nearest village is about 2.5 Km from the site. It was informed by the PP that the generated power shall be supplied to the industries located in the Textile Park.

The coal requirement is reported to be 174 T/day. Capacity of the boiler is reported to be 47 T/Hr. Fly ash generation of about 64 TPD is expected. Industry will install ESP in boiler and bag-filters in coal handling plant. PP has submitted that the generated fly ash is proposed to be sold to the cement manufacturing units and local brick manufacturers. The fly-ash will be collected dry and stored in silo. Total water requirement will be 1200 KLD and shall be abstracted from ground. Committee has agreed to issue standard TOR to the PP to carry out EIA /EMP, with inclusion of following:

1. Micro-level features shall be depicted on to-the-scale map and presented with the

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EIA.

- 2. Industrial area map showing the details of surrounding industries.
- 3. Extra efforts for Conservation of water have to be proposed in EIA.
- 4. Agreement document for utilization of fly-ash has to be furnished.
- 5. Intent of CDM where ever possible (such as waste heat recovery) has to be taken up.
- 6. Mode of transport of coal up to the industry to be furnished.
- 7. Permission from Central Ground Water Authority for abstraction of ground water to be furnished.
- 8. NOC from 'Gram Panchayat'.
- 9. Ambient air quality has to be monitored as per the provision of new notification of MoEF (November 2009).
- 10. Notifications, Rules and Guidelines issued by MoEF and CPCB from time to time have to be followed strictly while executing the project. Accordingly, provisions have to be made in the EIA/EMP.
- 11. Details pertaining to procurement of coal along with the quality have to be reported with supporting documents.
- 12. Green belt around Thermal Power Plant to be created. Area of green belt must be 33% of total area. Map showing green belt to be submitted with EIA.

EIA- Deliberations:

1. 222/2008

M/s Jain Energy Limited 5th Floor prelata,39 Shakespeare Sarani,Kolkata -10 MW Biomass based power project in Village-Sonkach, Tehsil-Sehore, Distt.-Sehore <u>FIA</u>

Presentation

Neither the PP nor his representative was present to help in understanding the documents etc. nor to explain discrepancy / gap if found any during the deliberation. Hence committee decided to call the PP in next meeting.

2. 48/2008

Invitee Member

Smt. Aruna Sihare Near Sales Tax Office, Civil Lines Mandla (M.P) Dolomite Mines in village Bhanwartal of Bichhiya Tehsil Distt. Mandla Area- 6.60 Ha capacity - 20,000 T/ year. (Lessee Smt. Aruna Sihare Mandla) **EIA Presentation** TOR letter issued vide letter no. 312 dated 07/08/08.

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of

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(A.P. Shrivastava) (R.K. Jain)



Secretary SEAC

schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. TOR was issued vide letter dated 07/08/08. The applicant presented the salient features of the project. EIA / EMP and the public hearing issues were dealt in detail. It was reported that this is a new mine. Method of mining is Open cast and manual. The nearest habitat is village Bhanwartal about 500 m from the project boundary. River banjar is located at about 1.2 Km from the site. It was reported that Reserve forest boundary is 1.0 Km away from the lease area boundary. The mining shall not intersect the GW table.

After deliberation, committee has asked for following submission from the PP:

- NOC from forest department and 'Gram Panchayat'.
- ➤ Written commitment for fulfillment of the CSR plan with budgetary provision to be submitted.
- ➤ Plan with commitment for plantation in 33% of project area within lease period to be submitted. Map showing green belt to be submitted with EIA.
- ➤ Measures suggested by the authorities during public hearing to mitigate the fugitive emissions from crusher have to be submitted.
- > Declaration from the consultant and PP.
- Affidavit stating safe and controlled blasting has to be submitted in view of the safety of the residents of nearby villages.
- ➤ Route of transportation of mineral from the site has to be shown along-with the measures taken to minimize the fugitive emissions likely to increase from the transportation.

3. 122/2008

M/s Balaji Stone Lime company, Surendra Kumar Agarwal, Partner S.S. Balagi limestone company, Lalpur, Burhar, Distt-Shahdol. 484110

Project: Lime stone mine at Village-Jhinna, Tehsil- Amarpatan Distt. Satna (M.P.) Mining lease area 9.5 Ha. 15000 MT/Y EIA Presentation

Neither the PP nor his representative was present to help in understanding the documents etc. nor to explain discrepancy / gap if found any during the deliberation. Hence committee decided to call the PP in next meeting.

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4. 96/2009

M/s Nirmala Minerals Pathak Ward P.O Katni, Distt Katni (M.P) 483501 Project: M/s Nirmala Minerals, Agaria Iron Ore Mines, Khasra No. 1093 Village Agaria, Tehsil: Sihora Distt. Jabalpur (M.P), Area: 20.41 Ha, Prod.: 50000 MT/Y EIA Presentation

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. TOR was issued vide letter dated 07/08/08. The applicant presented the salient features of the project. EIA / EMP and the public hearing issues were dealt in detail. It was reported that this is an existing mine presently closed. Method of mining is Open cast and manual. The nearby village is Agaria at about 500 m from the project boundary. It was reported that River Hiren is 2 Km away from the lease area boundary. The mining shall not intersect the GW table. Water requirement for the project is 11 KLD which shall be met from mine water and village hand pumps.

After deliberation, committee has asked for following submission from the PP:

- NOC from forest department showing distance from forest and 'Gram Panchayat'.
- ➤ Written commitment for fulfillment of the CSR plan with budgetary provision to be submitted.
- Affidavit stating safe and controlled blasting has to be submitted in view of the safety of the residents of nearby villages.
- ➤ Route of transportation of mineral from the site has to be shown along-with the measures taken to minimize the fugitive emissions likely to increase from the transportation.
- Action proposed to prevent run-offs from the site into the nearby water bodies has to be furnished.
- ➤ It was reported in the meeting that public hearing issue regarding construction of bypass road is already complete; supporting documents to this statement have to be furnished.

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5. 128/2008

M/s SNS Minerals Limited,PO-Maihar, Distt.- Satna (M.P.) Project: Tamoria Limestone & Dolomite Mines, Village –Tamoria, Tehsil- Maihar, Distt- Satna. e Area-42.567 Ha., 55,000 T/A <u>EIA Presentation</u>

This being a mining project with lease area between 50 ha to 5 ha is listed at S.N. 1(a) of schedule under 'B' Category of EIA Notification, 2006 and is to be appraised by SEAC. TOR was issued vide letter dated 02/09/08 & revised TOR vide letter dated 05/09/09. The applicant presented the salient features of the project. EIA / EMP and the public hearing issues were dealt in detail. It was reported that this is an existing mine presently closed. Method of mining is Open cast and other than fully mechanized (OTFM). The nearby village is Batia at about 1.75 Km from the project boundary. It was reported that River Tons is 9.5 Km away from the lease area boundary. The mining shall not intersect the GW table. Water requirement for the project is 14 KLD which shall be met from mine water and village hand pumps.

After deliberation, committee has asked for following submission from the PP:

- ➤ Written commitment for fulfillment of the CSR plan with budgetary provision to be submitted.
- > Declaration from consultant and PP.
- Affidavit stating safe and controlled blasting has to be submitted in view of the safety of the residents of nearby villages.
- ➤ Route of transportation of mineral from the site has to be shown along-with the measures taken to minimize the fugitive emissions likely to increase from the transportation.
- ➤ Location of crusher and measures taken to prevent the fugitive emission to be furnished.

Meeting ended with thanks to the chair

| (S. C. Jain) | (V. Subramanian) | (K.K. Goswami) |
|-----------------------|------------------|----------------|
| Chairman SEAC | Member SEAC | Member SEAC |
| (A.P. Shrivastava) | | (R.K. Jain) |
| Invitee Member | | Secretary SEAC |

