

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. 12 proposals (for TOR / EIA deliberations) were invited. Out of these proposals only 11 proposals were presented before the committee. 02 proposals scheduled for the meetings dated 28/01/10 and 29/01/10 were also appraised in the meeting on request of PP and with permission of the Chair.
- B. It is decided to hold the 46th meeting on 28th January 2010.
- C. Office Memorandum dated 13/01/10 issued by MoEF in context to the implementation of recommendations of Comprehensive Environmental Pollution Index (CEPI) [copy enclosed] was placed before the committee for perusal and further necessary action in the matter. The CEPI revealed that Indore, Dewas, Ratlam-Nagda, Pithampur and Gwalior have been identified as polluted industrial clusters / areas, it was observed by the Committee that only Indore (CEPI score 71.26) has been marked as severely polluted industrial cluster / area and Dewas, Ratlam-Nagda and Pithampur (CEPI score 60-70) were listed as critically polluted industrial cluster / area whereas Gwalior has CPI score less than 60. In view of above it was decided by the committee that the cases except those of public interest / National Importance proposed in the boundary of Municipal Corporation Indore shall be send back to SEIAA for further necessary action in the matter.
- The development projects in Industrial clusters with CEPI score 60-70 (i.e. Dewas, Ratlam-Nagda and Pithampur) shall be appraised as per the circular dated 25/08/09 of MoEF. [Copy enclosed]

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Deliberations:

1. Case no. 99/2008

M/s Nirmala Minerals Pathak Ward P.O Katni, Distt Katni (M.P) 483501

Dubiyara Iron Ore Mine, Nirmala Minerals Distt. Jabalpur, Area: 32.374 Ha, Prod: 0.20 Million T/Y. TOR issued vide letter 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 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 the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that no blasting shall be carried out. The nearest habitat is village Dubariya about 100 mts. from the project boundary. A crusher for sizing of mineral is also reported out side the lease area. The mining shall not intersect the GW table. PP has not submitted NOC from forest department. Mining lease has expired and was reported to be under renewal.

After deliberation, committee has sought following information and details from the PP:

- NOC from forest and 'Gram Sabha'.
- Application/ Papers submitted for renewal of mining lease along with the relevant provision of the act and rules to be furnished.
- Leachate study of OB to be submitted.
- Air/Water Consent from MPPCB for operation of crusher.
- Full details of the nearby habitation with exact distances from the lease boundary and population etc.

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- Written commitment for fulfillment of the public hearing issues to be submitted.
- Declaration from the PP and the consultant regarding use of authentic data / facts /figures in the EIA /EMP to be furnished.
- Details of air pollution control equipments proposed in crusher to be furnished.
- Use of Solar energy for utilities has to be explored and implemented.
- Plan with commitment for plantation in 33% of project area within lease period to be submitted. Map showing green belt to be submitted.

2. Case no. 493/2009

M/s Ushma Technologies (P) Ltd. 301, Ever Shine Mall Malad Vivek Road Malad (West) Mumbai (M.S.) - Drug Manufacturing Unit at SEZ Indore, Phase – 1 Industrial Area Pithampur Dist. Dhar (M.P).

As this is a case of manufacturing of bulk drugs located in Industrial Area, it is enlisted at SN 5(f) category B of the Schedule of EIA Notification 2006 the case has to be appraised by SEAC as per the provisions of the notification. Public Hearing is not required.

The proponent has proposed to manufacture bulk drugs (Cancer drugs) such as, Capecitabine, Imatinib Mesylate etc. Total plot area is reported to be 6000 sq.m. allotted by AKVN Indore, green belt is proposed in 2000 sqm. Water consumption is reported to be 30 KL/day, which shall be supplied by the AKVN. Quantity of effluent generated from scrubber, washing of machines & floor, process, boiler blow down, is reported to be 15 KL /day. ETP has been proposed followed by a RO plant for recycling of waste water. After the deliberation the committee decided to issue TOR to conduct the EIA/EMP including the following points:

1. Effects of the residual chemicals likely to be present in the waste water and air on human body and environment have to be addressed in detail.
2. Recovery of solvent shall not be less than 95%, accordingly plan has to be submitted with EIA/EMP.

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3. All hazardous chemicals / raw material shall be handles as per the relevant rules (MSIHC Rules 1989 as amended) accordingly details have to be provided in the EIA/EMP.
4. Provision of monitoring and handling of VOC / TOC has to be made and reported.
5. Environmental analyses have to be done through EPA / NABL approved laboratories.

3. Case no. 212/2008

Sh. Pushpendra Singh, Hazari, Hazari ward, P.O. - Hatta, District- Damoh (M.P.)
Lime stone mine of Sh. Pushpendra singh hazari, PO-Hatta, District-Damoh Mining Lease Area 5.66 Ha. Prod. Cap. 12,000 T/A. TOR issued 11/02/09

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

4. Case no. 455/2009

M/s Vardhman Yarns (Power Unit) A Unit of Vardhman Textile Ltd., Plot No. A-1-6, Ind. Area Phase-II, Satlapur, Mandideep, Distt.-Raisen - 462046 (M.P.)

Capacity Expansion in Power generation of TPP from existing 24 MW to 30 MW at Industrial Development Centre-Phase -II Satlapur (Mandideep), Distt.-Raisen (M.P.)

TOR issued vide letter dated 09/11/09.

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 with EIA/EMP. Information pertaining to the above project was examined by the committee. After discussion on the

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project it was revealed that:

This is a case for enhancement of production from 24 MW to 30 MW at Industrial Development Centre-Phase -II Satlapur (Mandideep), Distt.-Raisen (M.P.). As production enhancement is proposed in the unit already operating in notified industrial area public hearing is not required. It was submitted by the proponent that there will be no change in boiler capacity and no additional land is required for the proposed expansion. The coal requirement is reported to be 586 TPD, with fly ash generation of about 205 TPD. Industry has installed ESP in boiler and bag-filters in coal handling plant. PP has submitted that the generated fly ash is being sold to the cement manufacturing units and local brick manufacturers. The fly-ash is being collected dry and stored in silo. It was also informed by the PP that the generated power shall be used in-house and excess power shall be sold to the State grid. Total water requirement after expansion will be 2558 KLD and shall be supplied by AKVN. Allotment letter from AKVN and the commitment for supply of 5000 KL water has been submitted by the PP.

After deliberation committee has raised following queries:

- Power evacuation letter from the concerned company.
- As no change in ESP / Air pollution Control Equipment has been proposed, PP was asked to submit detail design and efficiency of existing air pollution control equipment to meet out the emissions from expanded production.
- Scheme of plantation with details of species has to be submitted along with a lay out map showing exact location and area to be planted.
- Explore the possibility for establishment of brick manufacturing plant for use of bed-ash.
- Explore the possibility to reduce the water consumption in cooling section.
- Proposal for transportation of ash in covered vehicle has to be submitted.
- Environmental monitoring report has be submitted in original format provided by the monitoring agency.
- Point-wise compliance of air/water consent conditions for the existing unit has to be furnished.
- Plantation scheme showing plantation in 33% of total project area has to be

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furnished.

- NOC from Archeology Deptt. mentioning distance of 'Bhopjpur Temple' and 'Bheem Baithika' to be submitted.

5. Case No. 497/2010

Shri Ashish Modi, Director M/s Milan Realities 2006 Oasis Trade Centre, 20/22, Yeshwant Niwas Road Indore (M.P) High-rise multistoried residential project at village- Bicholi Mardana, Indore (M.P)

Building and Construction projects with area ≥ 20000 sq.mtrs and $< 1,50,000$ sq.mtrs. of built-up area are covered under the Schedule of EIA Notification 2006 in category B,8(a). Therefore are required to be appraised by the SEAC.

This is a Residential Project with High-rise buildings, proposed outside the Indore Municipal Corporation area at village Bhichouli Mardana, thus case was appraised by the committee keeping in view the Office Memorandum of MoEf dated 13/01/10. During presentation it was reported by the PP that total plot area is 26660 sqm. and built-up area is 38038.12 sqm. The project consists of High-rise buildings with maximum height of 24 mts. Total water requirement is 621 m³/day which includes fresh-water 214 m³ / day and recycled-water 407 m³/day. Total waste-water generation is 478 m³/day. STP with capacity to treat 478 KLD of waste-water is proposed. 01 DG set of capacity 250 KVA will be provided for power back-up. Total municipal solid waste is reported to be 1.1 T/day. MSW is proposed to be managed by authorized agency. Total green area has not been reported. Papers submitted by the PP - copies of Ownership documents, diversion order, TNCP approved development plan and building permission from Gram Panchayat Bichouli Mardana.

After deliberations committee has asked the PP to submit information / documents on the following queries :

- Revised layout plan showing location of STP, MSW storage and plantation.
- Affidavit for use of fly-ash bricks, waste material in road construction, follow the

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- ECBC norms, provision of first-aid etc. at site.
- Municipal Solid Waste (MSW) is reported to be managed by the authorized agencies; appropriate agreement with such agency has to be furnished.
 - Proposed site is reported to fall under Class –III Seismic Zone, accordingly the details of the preventive measures has to be submitted.
 - Source of water for construction and operational phases along with the requisite permission / commitment from the concerned authorities.
 - Green belt has to be 33% of the total area. Map showing green belt to be submitted.

6. Case No. 279/2009

M.P. State Mining Corporation Ltd. Paryawas Bhawan, Block No. 1, 2nd Floor Jail Road Bhopal (M.P) Flagstone Mine 10.00 Ha at Village - Laharcha, Distt. Distt.- Shivpuri (M.P) 28500 m³/Year. TOR issued vide letter dated – 13/05/09.

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. This is a mining project of M. P. Mining Corporation an undertaking of Govt. of Madhya Pradesh. TOR was issued vide letter dated 13/05/09. The applicant presented the salient features of the project EIA / EMP and the public hearing issues were dealt in detail. No adverse comments were reported in the Public Hearing and people have insisted for early opening of the mines. It was reported that the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that no blasting shall be carried out. The nearest habitat is village Manpura about 1 Km from the project boundary and a water reservoir the 'Piploda Talab' has been reported at about 2 Km from the boundary. The mining shall not intersect the GW table. The mine is located in Loharcha Reserve Forest. PP has obtained Forest Clearance and has submitted a copy of the same.

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After deliberation, committee has recommended the case for grant of Prior Environmental Clearance under the provisions of EIA Notification 2006 and the amendments thereby, with following special conditions:

- Compliance of the conditions of Forest Clearance has to be ensured.
- Appropriate share of the profits should be spent on the development of surrounding villages / area.
- Explore the possibilities of plantation in the reclaimed mining area which should be at least 10% of the project area.

7. Case No. 280/2009

M.P. State Mining Corporation Ltd. Paryawas Bhawan, Block No. 1, 2nd Floor Jail Road Bhopal (M.P) - Flagstone Mine 10.00 Ha at Village - Bhilari Distt. Distt.- Shivpuri (M.P) 23000m³/Year

TOR issued vide letter dated – 13/05/09.

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.

This is a mining project of M. P. Mining Corporation an undertaking of Govt. of Madhya Pradesh. TOR was issued vide letter dated 13/05/09. Applicant presented the salient features of the project EIA / EMP and the public hearing issues were dealt in detail. No adverse comments were reported in the Public Hearing and people have insisted for early opening of the mines. It was reported that the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that no blasting shall be carried out. The nearest habitat is village Rampur at about 0.5 Km from the project boundary and a river Ahir has been reported at about 4.5 Km from the boundary. The mining shall not intersect the GW table. The mine is located in Akoda Reserve Forest. PP has obtained Forest Clearance and has submitted a copy of the same.

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After deliberation, committee has recommended the case for grant of Prior Environmental Clearance under the provisions of EIA Notification 2006 and the amendments thereby, with following special conditions:

- Compliance of the conditions of Forest Clearance has to be ensured.
- Appropriate share of the profits should be spent on the development of surrounding villages / area.
- Explore the possibilities of plantation in the reclaimed mining area which should be at least 10% of the project area.

8. Case No. 278/2009

M.P. State Mining Corporation Ltd. Paryawas Bhawan, Block No. 1, 2nd Floor Jail Road Bhopal (M.P) EIA Flagstone Mine 24.93 Ha at Village - Tehta, Distt.- Shivpuri (M.P) 87500 m³/Year TOR issued vide letter dated – 13/05/09.

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. This is a mining project of M. P. Mining Corporation an undertaking of Govt. of Madhya Pradesh. TOR was issued vide letter dated 13/05/09. Applicant presented the salient features of the project EIA / EMP and the public hearing issues were dealt in detail. No adverse comments were reported in the Public Hearing and people have insisted for early opening of the mines. It was reported that the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that no blasting shall be carried out. The nearest habitat is village Murkhera at about 1.5 Km from the project boundary and a river Digri has been reported at about 5 Km from the boundary and a water reservoir has been reported at 2 Km from the boundary. The mining shall not intersect the GW table. The mine is located in Khari Reserve Forest. PP has obtained Forest Clearance and has

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submitted a copy of the same.

After deliberation, committee has recommended the case for grant of Prior Environmental Clearance under the provisions of EIA Notification 2006 and the amendments thereby, with following special conditions:

- Compliance of the conditions of Forest Clearance has to be ensured.
- Appropriate share of the profits should be spent on the development of surrounding villages / area.
- Explore the possibilities of plantation in the reclaimed mining area which should be at least 10% of the project area.

Combined order for diversion of Forest land for renewal of flag stone mining lease has been granted for five lease holders including the Projects under case No. 278, 279 and 280 vide letter dated 19/07/2005 from MoEF Govt of India (FC- Division).

9. Case No. 121/2008

M/s Pluton Cement pvt. Ltd 138, Sneh Nagar, Indore. (M.P.) - Captive Mining of lime stone (since 1997). Mining area 10.70 Ha, 15000MT/y. Khasra no. 136/1, Khasra no. 136/1. TOR issued vide letter dated – 02/09/08.

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. The applicant presented the salient features of the project EIA / EMP and the public hearing issues were dealt in detail. It was reported that the mine is existing but not operating. Method of mining is Open cast and manual. It was reported that occasional blasting shall be carried out. The nearest habitat is village Acharkunda about 700 mts. from the project boundary. The mining shall not intersect the GW table. Water requirement is 9 KL/day which shall be taken from the mining pits. PP

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has submitted details of forest boundaries and fauna in the 10 Km radius around the site obtained from forest department. Forest boundary is 2 Km from the lease area boundary.

After deliberation, committee has sought following information and details from the PP:

- NOC from forest and 'Gram Sabha'.
- Full details of the nearby habitation with exact distances from the lease boundary and population etc.
- Written commitment for fulfillment of the public hearing issues to be submitted.
- Declaration from the PP and the consultant regarding use of authentic data / facts /figures in the EIA /EMP to be furnished.
- Plantation scheme for plantation in 33% of the project area has to be submitted.

10. Case no. 486/2009

M/s S.N. Sunderson & Co. Jabalpur Road Post Box No. 39, Bhargawan, District Katni (M.P) - Bhatia No. 2 Limestone at village Bhatia Tehsil Maihar, Distt. - Satna Area- 18.27, Ha Prod. Capacity- 20,000 TPA.

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 existing mine presently closed. Open-cast, other than fully mechanized mining has been proposed, mining shall not intersect the GW table. A crusher is installed in the lease area for sizing of lime stone. Nearest village is Bhatia which is about 750 mts from the lease area boundary. It was also reported that the 'Shrda temple' of Maihar is about 14.5 Km from

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the lease area. Nearest highway is NH7 about 1 Km from the lease area 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 competent authority has to be submitted along with the copy of current lease deed and lease letter.
- 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.
- 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.

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- 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 Sabha.
- NOC from forest department mentioning the distances of lease area from reserve forest, wild life sanctuaries, national parks etc.
- 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.
- Impacts due to operation of crusher in the lease area have to be addressed in the EIA/EMP.

11. Case No. 482/2009

M/s S.N. Sunderson & Co. Jabalpur Road Post Box No. 39, Bhargawan, District Satna (M.P) Bhatia No. 1 Limestone mine, 10.472 Ha at village Bhatia Tehsil Maihar (M.P) Prod Cap- 20,000 MT/Y

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 existing mine presently closed. Open-cast, other than fully mechanized mining has been proposed, mining shall not intersect the GW table. Nearest village is Bhatia which is about 500 mts from the lease area boundary. It was also reported that the 'Sharda temple' of Maihar is about 14.5 Km from the lease area. Nearest highway is NH7 about 500 mts from the lease area boundary. After detailed deliberations, the SEAC has recommended the

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inclusion of following TORS in the preparation of EIA/EMP:-

- Duly attested & certified Mining Plan approved by competent authority has to be submitted along with the copy of current lease deed and lease letter.
- 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.
- 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.

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- 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 Sabha.
- NOC from forest department mentioning the distances of lease area from reserve forest, wild life sanctuaries, national parks etc.
- 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.
- Impacts due to operation of crusher (if any) in the lease area have to be addressed in the EIA/EMP.

12. Case no. 488/2009**M/s G.C.Gupta , Madan Mohan Chobey Ward, District Katni (M.P) 483501**

RonsaraBauxite,Laterite, Fireclay,Red Ochre & Yellow Ochre Mine at Village – Ronsara, Tehsil- Sihora, Distt. – Jabalpur , Area- 9.250, Ha ,Prod. Capa.- 3000 TPA.

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 existing mine presently closed. Open-cast, manual mining has been proposed, mining shall not intersect the GW table. Nearest village is Ronsari which is about 1 Km from the lease area boundary. Nearest highway is NH7 about 14 Km from the lease area boundary. After detailed deliberations, the SEAC has recommended the inclusion of following TORS in the preparation of EIA/EMP:-

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(S.R. Shukla)
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Secretary SEAC

- Duly attested & certified Mining Plan approved by competent authority has to be submitted along with the copy of current lease deed and lease letter.
- 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.
- 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.

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- 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 Sabha.
- NOC from forest department mentioning the distances of lease area from reserve forest, wild life sanctuaries, national parks etc.
- 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.
- Impacts due to operation of crusher in the lease area have to be addressed in the EIA/EMP.

13. Case no. 490/2009

Sh. Mukesh Rathod M/s Reliance Industries Limited, Block 6-D, 2nd Floor, Reliance Corporate Park, Thane-Belapur Road, Ghansoli, Navi Mumbai (M.S) 400701- 100 MW (2x50 MW) Shahdol Coal Bed Methane(CBM) Gas Based Power Plant at Village-Hadana near Shahdol Town adjacent to National Highway (NH 78), Distt.-Shahdol (M.P.) Reliance Industries Limited, Bhopal

This being a Thermal Power Plant with production capacity of < 500 MW (based on Gas) 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 case for power production of 2x50 MW at village Nawalpur Distt. Shahadol. It is CBM gas based power plant, gas shall be obtained from CBM gathering station located in the surrounding area. The gas shall be transported through dedicated pipeline. Distance of River Son is reported to be 800 mts from the site. Nearest highway is NH 78 about 3 Km from the site. It is also reported that no bio-sphere reserve, wild life sanctuary exists within 10 Km radius. Total land requirement is 10 Acers and cost of the project is 450 Crore. Domestic water requirement is reported to be 15KL/Day. No water shall be

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required in process. Generation of waste water is reported to be nil. Committee has agreed to issue 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 EIA.
2. Intent of CDM where ever possible (such as waste heat recovery) has to be taken up.
3. Ambient Air Quality monitoring has to be carried out in accordance to the notification dated 16/11/09.
4. Permission for drawal of water from river.
5. 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.
6. Monitoring has to taken up as per the norms using appropriate air/water quality modeling, based on meteorological data (wind-rose) of the region.
7. Plantation in at least 33% of the total area has to be ensured; accordingly plan has to be submitted with EIA.
8. Any litigation pending against the company should be addressed appropriately.
9. Use of Solar energy for utilities has to be explored and implemented.
11. Explore the possibility of waste heat recovery power plant as the temperature of flue gases is reported to be about 400 °C .
12. Storage facilities of gas and flare system has to be addressed in detail.
13. The EIA should be prepared based on model TOR for appraisal of power projects issued by MoEF, Delhi.
14. Power evacuation letter from the concerned authority.
15. Composition of CBM gas.

14. Case no. 489/2009

M/s S.N.S.(Minerals) Limited ,P.O.-Maihar, Distt.-Satna M.P) 485771

Jamuani Kala Limestone & Dolomite Mine at Village - Jamuani Kala, Tehsil-Vijayraghgarh, Distt. – Katni, Area- 8.584 Ha Prod. Capa. - 10,000 TPA.

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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 existing mine presently closed. Open-cast, manual mining has been proposed, mining shall not intersect the GW table. Nearest village is Jamuniakala which is about 1 Km from the lease area boundary. Nearest State highway is Jhukai-Kymore about 2 Km from the lease area 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 competent authority has to be submitted along with the copy of current lease deed and lease letter.
- 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.
- 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.

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- 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.
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- NOC from Gram Sabha.
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- 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.
- Impacts due to operation of crusher in the lease area have to be addressed in the EIA/EMP.

Meeting ended with thanks to the chair.

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