

Minutes of 433rd SEAC Meeting Dated 21/11/2019

The 433rd meeting of SEAC was held in Directorate of Environment, U.P. on 21/11/2019 following members were present in the SEAC:

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| 1. | Dr. (Prof.) S.N. Singh, | Chairman |
| 2. | Dr. Sarita Sinha, | Member |
| 3. | Dr. Virendra Misra, | Member |
| 4. | Dr. Pramod Kumar Mishra, | Member |
| 5. | Dr. Richhpal Singh Sangu, | Member |
| 6. | Shri Ramesh Chand Kataria, | Member |
| 7. | Dr. Ajoy Kumar Manda, | Member |
| 8. | Shri Meraj Uddin, | Member |
| 9. | Shri Rajive Kumar, | Member |

The Chairman welcomed the members to the 433rd SEAC meeting.

The SEAC unanimously took following decisions on the agenda points discussed:

1. **Sand/Morrum Mining from Betwa River bed at Khand No.-10/36, Village- Beri, District- Hamirpur., M/s Baba Bholenath Traders, Area-12. 45 Ha, File No. 5149/Proposal No. SIA/UP/MIN/ 45137/2019**

RESOLUTION AGAINST AGENDA NO-01

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

2. **Sand/Morrum Mining from Betwa River bed at Khand No.-19/5, Village- Teekapur, Tehsil- Maudaha, Hamirpur, U.P., M/s Kamtanath Enterprises Pvt. Ltd., Area-36.437 Ha, File No. 5150/Proposal No. SIA/UP/MIN/ 45142/2018**

RESOLUTION AGAINST AGENDA NO-02

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

3. **Sand/Morrum Mining from Betwa Riverbed at 24/14, Village-Chikasi, Tehsil - Sarila, Hamirpur. M/s Disha Enterprises, Sanctioned Area - 36.437 ha, File No. 5151/Proposal No. SIA/UP/MIN/ 45141/2018**

RESOLUTION AGAINST AGENDA NO-03

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

4. **Building Stone (Khandas, Gitti & Boulder) Mining at Gata No.-967, Khand No.- 03, at Village- Karbai Tehsil & Mahoba, M/s Kanhaiya Enterprises, Leased Area -2.024 ha File No. 5152/Proposal No. SIA/UP/MIN/ 45344/2018**

RESOLUTION AGAINST AGENDA NO-04

The project proponent did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

5. **Sand/Morrum Mining from Betwa Riverbed at Khasra No.-10/4, Village- Beri, Tehsil & District-Hamirpur, Shri Rahul Kumar Gupta, Area-36.437 Ha, File No. 5153/Proposal No. SIA/UP/MIN/ 45140/2018**

RESOLUTION AGAINST AGENDA NO-05

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

6. **Sand/Morrum Mining from Betwa Riverbed at Khand No.-10/33, Village- Beri, Hamirpur, U.P., M/s New Praveera Infraheight Pvt. Ltd., Sanctioned Lease Area-20.242 Ha, File No. 5154/Proposal No. SIA/UP/MIN/ 45129/2018**

RESOLUTION AGAINST AGENDA NO-06

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

7. **Building Stone (Khandas, Gitti & Boulder) Mining for Capacity Expansion at Gata No.-735, Khand No.-05, at Village- Daharra, Tehsil & District- Mahoba, U.P., Shri Anand Mohan Yadav, Leased Area -1.012 ha File No. 5155/Proposal No. SIA/UP/MIN/ 45359/2018**

RESOLUTION AGAINST AGENDA NO-07

The project proponent did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

8. **Sand/Morrum Mining from Betwa Riverbed at Khand No.-18/1, Village- Sahurapur, Hamirpur, U.P., Sanctioned Lease Area-36.437 Ha, M/s Shri Construction. File No. 5157/Proposal No. SIA/UP/MIN/45136/2019**

RESOLUTION AGAINST AGENDA NO-08

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

9. Proposed DLVK Cement Private Ltd. at Plot No.-B-34, UPSIDC, Satharia, District-Jaunpur, U.P. M/s DLVK Cement Private Ltd. File No. 5158/Proposal No. SIA/UP/IND/45386/2019

RESOLUTION AGAINST AGENDA NO-09

The project proponent vide letter dated 22/11/2019 informed the committee due to some unavoidable reason they have withdrawn the above application for the TOR. The committee directed to close the file no. 5158.

10. Establishment of New Tannery Unit of Capacity 1750 hides per day (Raw Hide to finished Leather) at Gata No-1698, 1726, 1729, 1735, 1736 & 1739, Vill-Banthar-Unnao. M/s Model Exims (India) Pvt Ltd. File No. 5127/3479/Proposal No. SIA/UP/IND/ 44735/2019

RESOLUTION AGAINST AGENDA NO-10

A presentation was made by the project proponent along with their consultant M/s Earth Protection Group Environmental Consultants Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Geo coordinates & photographs with date and time should be submitted.
2. Plan for proper storage for raw material as per rules.
3. Plan for continuous online monitoring system details.
4. Under taking regarding storage of leather cutting.
5. Revised environmental management cell with details of post and qualification.
6. CER details.
7. Analytical test report with raw data.

The matter shall be discussed only after submission of online information on prescribed portal.

11. Brick Earth Mining at Gata No.-1111, 1100 B, 1114 A, 1116 , at Village- Ailum, Tehsil & District-Shamli., M/s Hanuman Brick Field, (Area- 2.336 Ha). File No. 5095/Proposal No. SIA/UP/MIN/ 34328/2019

RESOLUTION AGAINST AGENDA NO-11

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

12. Brick Earth Mining at Gata No.-629, 641 MI, 625, at Village-Palthedi., Oon, Distt.- Shamli., M/s Chaudhary Pritam Singh Brick Field, (Area-2.734 Ha). File No. 5100/Proposal No. SIA/UP/MIN/ 43825/2019

RESOLUTION AGAINST AGENDA NO-12

The project proponent requested to defer the matter from the agenda dated 21/11/2019. The committee discussed and directed to defer the matter as request made by the project proponent. The matter shall be discussed after submission of online request on prescribed portal.

- 13. Building Stone (Gitti- Pathhar,Khandas, Boulder) Mining at Gata No./Araji No./Plot No.- 310, Khand No.- 01, at Village-Dangriyaroon, Tehsil & District- Jhansi, U.P., Shri Sushil Parecha, Leased Area -2.023 ha. File No. 5102/Proposal No. SIA/UP/MIN/ 43914/2019**

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter and directed to defer the matter due to incorrect information submitted by the project proponent. The matter will be discussed only after submission of complete correct information on prescribed online portal.

- 14. Gitti/Boulder(Dolostone) Mine at Gata No.-410, at Village-Meetapur, Tehsil-Robertsganj, Sonbhadra., Shri Anand Kumar Shukla, Leased Area -1.45 ha. File No. 5106/Proposal No. SIA/UP/MIN/ 41832/2019**

RESOLUTION AGAINST AGENDA NO-14

The committee discussed the matter and directed to defer the matter due to incorrect information submitted by the project proponent. The matter will be discussed only after submission of complete correct information on prescribed online portal.

- 15. Building Stone "Sand Stone" at Araji No.-778, at Village- Hinauti, Tehsil- Sadar, Mirzapur, U.P., Shri Lavkush Chandra Das, Leased Area -0.60 ha. File No. 5115/Proposal No. SIA/UP/MIN/ 44556/2019**

RESOLUTION AGAINST AGENDA NO-15

The project proponent should submit clarification that whether it is the matter of violation or not in the light of Hon'ble Supreme Court order dated 27/02/2012 in I.A. Nos.12-13 of 2011 in Special Leave Petition (C) NO. 19628-19629 of 2009 in the matter of Deepak Kumar etc. Vs. State of Haryana and Ors.

- 16. Earth Excavation from Khasra/Gata No.- 1332,at Village- Sudesha Bahadur, Tehsil- Unnao, District-Unnao., Shri Kamlesh Chaurasiya, (Area: 0.481 Ha). File No. 5125/Proposal No. SIA/UP/MIN/ 10049/2019**

RESOLUTION AGAINST AGENDA NO-16

The project proposal for the excavation of soil does not have approval of competent District Authority. Hence, the committee directed to defer the matter from the agenda.

The matter shall be discussed only after submission of online information on prescribed portal.

- 17. Soil Excavation (Period- 3.0 month) Project at Gata No.-448,449 at Village- Paharpur, Tehsil & Unnao, U.P. Shri Ranjit Singh, Leased Area -0.529. File No. 5126/Proposal No. SIA/UP/MIN/ 42507/2019**

RESOLUTION AGAINST AGENDA NO-17

The project proposal for the excavation of soil does not have approval of competent District Authority. Hence, the committee directed to defer the matter from the agenda.

The matter shall be discussed only after submission of online information on prescribed portal.

18. Expansion Group Housing "Panchsheel Pratistha" at Plot No.-GH-16, Sector-75, Noida, Shri Gulshan Kumar, M/s Valuent Infra Developers Pvt. Ltd. File No. 4898/Proposal No. SIA/UP/MIS/ 109070/2019

RESOLUTION AGAINST AGENDA NO-18

A presentation was made by the project proponent along with their consultant M/s Ambient Global Pvt. Ltd. The committee discussed the matter and found that a mismatch between structural design certificate, structural drawing and project description details submitted by the project proponent. The committee directed the project proponent to provide the correct structural design certificate of the project proposal.

The matter shall be discussed only after submission of online information on prescribed portal.

19. Expansion of Group Housing at Plot No.- GH-01, Sector-46, Noida, U.P., M/s Gardenia Aims Developers Pvt. Ltd. File No. 4922/4225/Proposal No. SIA/UP/NCP/ 38716/2018

The committee noted that the matter was earlier discussed in 412th SEAC meeting dated 24/07/2019 and directed to defer the matter due to unavailability of structure stability certificate. The project proponent submitted their replies through letter dated 03/10/2019. Hence, the matter was listed in 433rd SEAC meeting dated 21/11/2019.

A presentation was made by project proponent along with their consultant M/s Ambient Global Private Limited. The project proponent through the submitted documents, presentation made before the SEAC and informed accordingly:-

1. The environmental clearance is sought for Expansion of Group Housing project at Plot No.- GH-01, Sector-46, Noida, U.P., M/s Gardenia Aims Developers Pvt. Ltd.
2. The Environmental Clearance for the earlier proposal was issued by SEIAA, U.P. vide Letter No. 1112/SEAC/395/2010/TA(J) dated July 10, 2010 for plot area 51,719.00 m² and built-up area 2,13,599.266 m².
3. Terms of reference in the matter were issued by SEIAA, U.P. vide Letter No. 299/Parya/SEAC/4225/2018 dated 27/07/2018.
4. Salient features of the project:

S. No.	Description	Proposed
1	Plot Area	51,719.00 sqm
2	Built-up Area	2,40,518.25 sqm
3	Green Area	20,950.984 m ² @ 40.50 % of Total Plot Area
4	Total Water Requirement	750 KLD
5	Fresh Water Requirement	481 KLD
6	Wastewater Generation	590 KLD
7	Capacity of STP	440 KLD
8	Solid Waste Generation	3,824 kg/day
9	Parking Required & Provided	1866 ECS & 2491 ECS
10	Power Demand & Source	5,960 kVA (Noida Power Company Limited)
11	Back up	4700 kVA (2 x750 kVA + 2 x 600 kVA + 4 x 500)
12	RWH Pits	22 pits
13	Total Project Cost	609 Crores
14	Expected Date of Completion	5 Years

5. Comparative area details:

S.NO.	DESCRIPTION	As Per Earlier EC AREA (SQM)	Post Expansion AREA (SQM)
1.	Plot Area	51,719.00	51,719.00

2.	Permissible ground coverage	20,687.6 (@ 40%)	18,101.650 (@35%)
3.	Proposed ground coverage	8,243.853 (@ 15.93%)	11,147.520 (@21.55%)
4.	Total Permissible F.A.R Permissible F.A.R. as per 2.5 Green building F.A.R. @5% of Permissible F.A.R)	1,42,227.520 1,42,227.520 NIL	1,49,338.613 1,42,227.520 7,111.363
5.	Proposed F.A.R Area Residential Commercial Community Halls	1,40,825.91 1,39,396.533 1,429.377 Nil	1,49,361.305 1,45,471.106 1,492.093 2,398.106
6.	NoN-F.A.R Upper Basement Area Lower Basement Area Total Services Area for Residential, Community and Commercial Watchmen Shelter STP Pump Room Mummtty	72,773.356 31,808.559 31,808.559 7,493.602 Nil 385.490 Nil 1,257.940	91,156.945 35,565.009 36,328.639 16,894.854 24.000 407.651 420.750 1516.042
7.	Built up Area	2,13,599.266	2,40,518.25
8.	Open area	43,475.147 (@ 87 % of Plot Area)	40,571.48 (@78.44 % of Plot Area)
9.	Green area	14,180.81 (@ 27.41% of Plot Area)	20,950.984 (@ 40.50% of Plot Area)
10.	No. of dwelling units	1,602	1,610

6. Water requirement details:

S. No.	Description	Total Area (m2)	Total Occupancy	Rate of water demand(lpd)	Total Water Requirement (KLD)
A.	Domestic Water				
(a)	Residential Water Requirement				
	Residents		7,245	86	623.0
	Maintenance Staffs		362	30	10.86
	Visitors/Floating		724	15	10.86
(b)	Commercial and Community Centre staffs		1296	30	38.88
	Total Domestic Water Demand				683.6 say 687 KLD
B.	Horticulture	20,950.984		3 lt./sqm/day	63
Total Water Requirement (A + B)					750 KLD

7. Waste water details:

Domestic Water Requirement	687 KLD
Total Fresh Water Requirement (@ 70 % of domestic)	481 KLD
Flushing (@ 30 % of domestic)	206 KLD
Wastewater Generated (@ 80% fresh domestic water + 100% flushing)	384.8+ 206 = 590.4 say 590 KLD

8. Solid waste generation details:

S. No.	Category	Norms (kg/c/day)	Total Waste (kg/day)
1.	Residents	7,245@ 0.5 kg/day	3622.50
2.	Total Staff	362@ 0.25 kg/day	90.50
3.	Visitors	724@ 0.15 kg/day	108.60
4.	Landscape waste (12.57acres)	@ 0.2 kg/acre/day	2.51
	TOTAL SOLID WASTE GENERATED		3,824 kg/day

9. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-19

The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
3. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
14. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
15. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
18. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
19. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
20. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
21. No parking shall be allowed outside the project boundary.
22. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
24. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
26. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
27. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
28. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
29. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
30. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
31. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
32. All the internal drains are to be covered till the disposal point.

33. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
34. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

20. Discussion on Amit Upadhyay, Advocate, Chamber No. 69, Hon'ble High Court, Allahabad letter dated 20/11/2019

All the members of SEIAA/SEAC, Directorate of Environment, U.P. have received a e-mail of Mr. Amit Upadhyay on dated 20/11/2019, time 10:11 P.M. The committee has gone through the complaint of Mr. Amit Upadhyay and feels that the complaint should be discussed in joint meeting of SEIAA/SEAC, U.P.

(Dr. Sarita Sinha)
Member

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Richhpal Singh Sangu)
Member

(Dr. Ajoy Kumar Mandal)
Member

(Shri Ramesh Chand Kataria)
Member

(Shri Meraj Uddin)
Member

(Shri Raive Kumar)
Member

(Dr. (Prof.) S. N. Singh)
Chairman

Annexure-1

Terms of Reference for the Mining Project

- 1) Project proponent should bring KML file at the time of EIA presentation.
- 2) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 3) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 4) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 5) All pages of technical documents/EIA/EMP etc. should be signed by the consultant and project proponent both.
- 6) Copy of all the analysis reports signed by analyst approved by NABL or MoEF&CC shall be annexed with the EIA report and original analysis reports should be presented at the time of presentation.
- 7) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 8) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 9) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 10) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 11) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 12) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 13) Certificate from Mining Officer that there is no other mining area exit within 500 m periphery.
- 14) CER cost to be calculated for individual lease.
- 15) An intimation regarding conducting the monitoring to be sent to concerned District Magistrate/State Pollution Control Board office/SEIAA.
- 16) All pages of technical documents/EIA/EMP etc. should be signed by the consultant and project

- proponent both.
- 17) Copy of all the analysis reports signed by analyst approved by NABL or MoEF&CC shall be annexed with the EIA report and original analysis reports should be presented at the time of presentation.
 - 18) MOU signed between the project proponent and the consultant should be submitted.
 - 19) The lab conducting the analysis should be authenticated and registered.
 - 20) Public hearing to be conducted as per EIA Notification, 2006.
 - 21) A copy of document in support of fact that the proponent is the rightful lessee of the mine should be given.
 - 22) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
 - 23) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
 - 24) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
 - 25) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
 - 26) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
 - 27) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
 - 28) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
 - 29) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
 - 30) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary

- allocation of funds for implementing the same should be made as part of the project cost.
- 31) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
 - 32) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
 - 33) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
 - 34) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
 - 35) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. 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 may also be indicated on the map.
 - 36) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
 - 37) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
 - 38) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
 - 39) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
 - 40) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The

Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

- 41) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 42) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 43) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 44) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 45) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 46) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 47) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 48) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 49) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 50) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 51) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 52) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 53) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of

- EMP should be clearly spelt out.
- 54) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
 - 55) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 - 56) The company must have a system of reporting of non-compliance/violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large. This reporting mechanism should be detailed EIA reports.
 - 57) Consultant should bring raw data at the time of presentation.
 - 58) In surface water quality aquatic study of phytoplankton and zooplankton.
 - 59) The baseline data should be signed by NABL/MoEF&CC accredited analyst.
 - 60) The meteorological data should be site specific.
 - 61) Details of Kachcha haul road to be made motorable. Plan should be submitted.
 - 62) Details of the infrastructure facilities to be provided for the mine workers should be included in the EIA report.
 - 63) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.