

### **Minutes of 679<sup>th</sup> SEAC-1 Meeting Dated 16/08/2022**

The 679<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 16/08/2022. Following members participated in the meeting:

- |    |                            |                              |
|----|----------------------------|------------------------------|
| 1. | Dr. Ratan Kar,             | Vice-Chairman, SEAC-1        |
| 2. | Dr. Ajai Mishra,           | Member, SEAC-1 (through VC)  |
| 3. | Mr. Om Prakash Srivastava, | Member, SEAC-1 (through VC)  |
| 4. | Dr. Brij Bihari Awasthi,   | Member, SEAC-1               |
| 5. | Shri Umesh Chandra Sharma, | Member, SEAC-1, (through VC) |
| 6. | Shri Ashish Tiwari,        | Member-Secretary, SEAC-1     |

The Chairman welcomed the members to the 679<sup>th</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

**1. MOEFCC letter dated 27-06-2022 regarding Monitoring of project “MIXED land Use Development project “Bliss” at Plot N0. ML-1, Village- Karpoori Puram, P.S.- Govindpuram, District- Ghaziabad, Uttar Pradesh” – Non Compliance regarding.**

The Secretariat informed the committee that the above matter was earlier discussed in 625<sup>th</sup> SEIAA meeting dated 05/07/2022 and directed is as follows:

*“SEIAA gone through MoEFCC letter dated 27.06.2022 regarding the above subject. SEIAA opined to refer the letter to SEAC-1 along the attachment for deliberation and self-speaking recommendation.”*

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee discussed the matter in depth and opined that the SEIAA may direct the UPPCB and GDA to stop the illegal construction work without environmental clearance and also initiate the stringent action against the project proponent as per the provision of EIA Notification, 2006 (as amended)/EP Act, 1986.

**2. E-mail of Dr. Sharad Gupta, Dated 17-06-2022- regarding cancel/withdraw EC dated 06-05-2022 by SEIAA for proposed 5-Star Resort & Hotel Project “Shree Goverdhan Resort & SPA” at Village – Myapur, Agra, U.P., M/s Shree Goverdhan Awas Pvt. Ltd. File N0.-6680/ Proposal N0. SIA/UP/MIS/238485/2021**

The Secretariat informed the committee that the above matter was earlier discussed in 625<sup>th</sup> SEIAA meeting dated 05/07/2022 and directed is as follows:

*“SEIAA gone through the letter of Dr. Sharad Gupta dated 17.06.2022 regarding the above subject. SEIAA opined to refer the letter to SEAC-1 for review/comments.”*

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee went through the complaint letter dated 17/06/2022 of Dr. Sharad Gupta and opined that this complaint letter should be sent to project proponent/consultant to submit para wise reply, so that the SEIAA/SEAC may take further action accordingly.

**3. Discussion of letter of Mr. D.K. Singh, Dated 09-06-2022:**

- (A) Gitti - Boulder (Dolostone) Mining Project At Araj No. 4478 Chha Village- Billi Markundi, Tehsil- Obra , District- Sonbhadra, Uttar Pradesh, M/s Omax Minerals Pvt Ltd, Area 2.20 Ha., File- N0.-6747/ Proposal N0. SIA/UP/MIN/69992/2021
- (B) Gitti Boulder (Dolo Stone) Mining at Araj No:-4478 Chha, Village-Billimarkundi, Tehsil –Obra District-Sonbhadra, Shri Rajeev Kumar Sharma, Area 1.80 ha. File-N0.-7062/6749, Proposal N0. SIA/UP/MIN/76421/2021
- (C) Gitti - Boulder (Dolostone) Mining project At Araj No. 5593 Ka Khand No.-08 Village-Billi Markundi, Tehsil- Obra , District-Sonbhadra, Uttar Pradesh,M/s K.D. Resources Pvt. Ltd, Area:4.230 HaFile-N0.- 6724/Proposal N0. SIA/UP/MIN/69932/2021

The Secretariat informed the committee that the above matter was earlier discussed in 626<sup>th</sup> SEIAA meeting dated 06/07/2022 and directed is as follows:

*“SEIAA gone through the letter of Mr. D.K. Singh dated 09-06-2022 regarding the above subject and opined to refer the matter to SEAC-1 for deliberation.”*

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee gone through the letter of Shri D.K. Singh, dated 09/06/2022 and found that there are discrepancy between references of file mentioned in the letter and annexure annexed by Shri D.K. Singh. The committee discussed the matter and opined that the above letters along with annexure should be sent to District Magistrate, Sonbhadra to provide factual report on the issues raised by Shri D.K. Singh. Copy of the letter should also be sent to Department of Geology and Mining, Lucknow for information and necessary action.

**4. Residential Project “Vinayak Platina” at Arazi No.- 555, 557 & 557/617, 561 Mauza-Sheopurwa, Pargana-Dehat Amanat, Dist.- Varanasi, U.P. M/s Shreenath Ji Dwellings LLP File No. 7112/Proposal No. SIA/UP/MIS/ 77067/2022**

The Secretariat informed the committee that the above project proposal has already been taken in 673<sup>rd</sup> SEAC meeting dated 19/07/2022 as per request of project proponent/consultant. Hence, no action is required in the matter.

**5. Letter of Mr. Anil Kumar dated 07-07-2022 regarding false/incorrect information given in EC letter for IT/ITES project Max Digital Infotech Pvt Ltd .at Plot No-2 Sector - 140A, Noida, District- Gautam Buddha Nagar, U.P., M/s Max Digi Infotech Pvt. Ltd. File No. 4467/Proposal No. SIA/UP/NCP/ 28877/2018**

The Secretariat informed the committee that the above matter was earlier discussed in 631<sup>st</sup> SEIAA meeting dated 19/07/2022 and directed is as follows:

*“SEIAA gone through the letter of Shri Anil kumar dated 07-07-2022 of Infrastructure Watchdog and opined to refer the letter to SEAC-1 for evaluation.”*

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee discussed the matter and opined that the project proponent/consultant should be call to explain the matter before SEAC in next meeting.

**6. MoEF&CC letter No. VII/env/SCL-UP/287/35 dated 23-05-2022- regarding group housing project “R.G. Residency” at GH-02, Ssect-120, Noida.**

The Secretariat informed the committee that the above matter was earlier discussed in 631<sup>st</sup> SEIAA meeting dated 19/07/2022 and directed is as follows:

“SEIAA gone through the letter of Additional Director, IRO, MoEFCC dated 30-06-2022 regarding CCR of the above project. SEIAA opined to refer the letter to SEAC-1 for information and MS UPPCB for necessary action. The project proponent shall submit reply / corrective action taken report to MoEFCC.”

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee went through the file and observed that SEIAA refer back the letter of MoEFCC, dated 30/06/2022, but the said letter has not been made available on the file.

**7. Withdrawal of Expansion Manufacturing of Formaldehyd & Resin under synthetic organic chemicals at Plot No.- R-3 & 4, Parsa khera Industrial Area,(UPSIDC), District- Bareilly, U.P.,M/s Manglam Chemicals Pvt. Ltd. File No. 7152/6439/Proposal No. SIA/UP/IND3/ 64509/2021**

The Secretariat informed the committee that the above matter was earlier discussed in 631<sup>st</sup> SEIAA meeting dated 19/07/2022 and directed is as follows:

*“ SEIAA gone through the letter dated 07.07.2022 of Shri Shushil Agrawal regarding the above subject. In which it is mentioned that due to typographical error the case is being withdrawn. SEIAA opined to refer the letter to SEAC-1 to review the case and MS, UPPCB to check if the project is operating / has operated without valid EC.”*

As per the direction of SEIAA, the matter was listed in 679<sup>th</sup> SEAC meeting dated 16/08/2022. The committee went through the file and observed that the project proponent in his letter dated 11/08/2022 has admitted his typographical error during the submission of online application for environmental clearance on Parivesh Portal. Hence, the SEIAA may accept the withdraw application of EC as per rules.

**8. Morrum Mining at Gata No.-385, Khand-Sa, Village-Barhmori, Tehsil- Obra, Sonbhadra, Shri Satyendra Singh Pawar, M/s N.D. Pharma Pvt. Ltd. Area-12.146 ha. File No. 6504/Proposal No. SIA/UP/MIN/66737/2021**

**RESOLUTION AGAINST AGENDA NO-08**

The project proponent/consultant 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 requests on prescribed online portal.

**9. Morrum Mining at Gata No.-824 kha, Khand- 02, Village- Aghori khas, Tehsil Obra, -Sonbhadra, Shri Rasmeet Singh Malhotra, M/s Malhotra Brothers., Area-16.194 ha. File No. 6506/Proposal No. SIA/UP/MIN/66751/2021**

**RESOLUTION AGAINST AGENDA NO-09**

The project proponent/consultant 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 requests on prescribed online portal.

**10. Group Housing Project at Plot No.GH-3B, Sector-12, Greater Noida (West), U.P., Shri Gaurav Bhati, M/s Sublime Realtech Pvt. Ltd. File No. 7184/Proposal No. SIA/UP/MIS/282537/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ambiantal Global Private Limited. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Group Housing Project at Plot No.GH-3B, Sector-12, Greater Noida (West), U.P., M/s Sublime Realtech Pvt. Ltd.
2. Salient features of the project:

1.	Plot Area	20000 m <sup>2</sup>
2.	Built-up Area	125212.537 m <sup>2</sup>
3.	Green Area	7663.583 m <sup>2</sup> (51 % of the open area)
4.	Nos. of tree planted	151
5.	Geo coordinates	Latitude: 28°33'39.94"N Longitude: 77°29'2.96"E
6.	Estimated Water Requirement with source Operational Phase	Total Water requirement:- 501 KLD Freshwater=308 KLD through Municipal Supply Treated water = 193 KLD (STP)
7.	Estimated wastewater generation and treatment	383 (STP with capacity of 460 KLD based on MBBR)
8.	Power Demand and Source  Power Back-up	Total Power Requirement : 1700 kVA (Source: Grid supply of Greater Noida Power Department) 2 no. of DG sets of total capacity 2 x 700+ 1 x 300 kVA
9.	Solid Waste Generation	In construction phase-52 Kg/day In operation phase-553 Kg/day
10.	Parking Facilities	Total Required E.C.S. - 917 Total Proposed E.C.S. - 918
11.	RWH Pits	3 pits
12.	Maximum Building Height	58.75 m
13.	Project Cost	250 Crore

3. Area statement of the project:

PRO PO SED G RO UP HO USING PLO T NO . 3B SEC TO R-12 G REA TER NO IDA WEST			
			SQ MT
PLO T AREA			20000.000
PERMISSIBLE G RO UND C O V E R A G E @35%			7000.000
PERMISSIBLE F.A.R. @3.5			70000.000
PERMISSIBLE G REEN FAR @5%			3500.000
TOTAL PERMISSIBLE FAR AREA (A)			73500.000
PERMISSIBLE ANC ILLA RY FAR (15%)			11025.000
PRO PO SED FAR AREA			73352.938
PRO PO SED G RO UND C O V E R A G E (24.97%)			4994.821
PERMISSIBLE DENSITY @2100 PPHA			4200.000
PRO PO SED DENSITY ( 712 FLA TX4.5 PERSON)			3204.000
PRO PO SED ANC ILLA RY FAR (15%)			11018.458
PRO PO SED TOTAL BASEMENT AREA			16009.815
PRO PO SED TOTAL STILT AREA			3202.023
PRO PO SED TOTAL PODIUM PARKING AREA			7625.766
PERMISSIBLE G REEN AREA @50% O F O PEN AREA			7502.590
PRO PO SED G REEN AREA			7663.583

PROPOSED AREA SUMMARY								
S.NO.S	TOWER NAME	NO OF UNIT	NO OF FLOORS	PROPOSED GROUND COVERAGE	PROPOSED FAR AREA	PROPOSED ANCILLARY FAR AREA	PROPOSED N.FAR AREA	TOTAL BUILDUP AREA
1	TOWER A	68	17	500.402	7860.365	977.055	1896.693	10734.113
2	TOWER B	72	18	325.787	6704.057	959.586	1594.006	9257.649
3	TOWER C	72	18	325.787	6704.057	959.586	1594.006	9257.649
4	TOWER D	72	18	325.787	6704.057	959.586	1594.006	9257.649
5	TOWER E	72	18	500.402	8320.319	1028.880	1983.105	11332.304
6	TOWER F	72	18	500.402	8320.319	1028.880	1983.105	11332.304
7	TOWER G	72	18	325.787	6704.057	959.586	1594.006	9257.649
8	TOWER H	72	18	325.787	6704.057	959.586	1594.006	9257.649
9	TOWER J	72	18	325.787	6704.057	959.586	1594.006	9257.649
10	TOWER K	68	17	500.402	7860.365	977.055	1896.693	10734.113
11	COMMUNITY CENTER		3	426.620	0	834.994	0.000	834.994
12	COMMERCIAL		2	387.090	730.930	0.000	107.525	838.455
13	PODIUM		1	0	0	0	7625.766	7625.766
14	BASEMENT		1	0	0	354.0763	15655.739	16009.815
15	GUARD ROOM			30		30		30.000
16	METER ROOM			36.3	36.3			36.300
17	HTR ROOM			30		30		30.000
18	TOWER CONNECTING RCC PERGOLA			128.481				128.481
	TOTAL	712		4994.821	73352.938	11018.458	40712.660	125212.537

**4. Water requirement details:**

S.No.	Description	Occupancy	Water Requirement as per CGWA Norms	Domestic Water Requirement (KLPD)	Flushing Water Requirement (KLPD)
1	Residential :				
1.1	Residents Population (712 Dwelling Units@ 4.5 Person per DU)	3204	135	303	130
1.2	Visitors@ 10% of total Population	320	15	2	3
1.3	Staff@5% of total Population	160	45	4	3
	Total			308	136
2	Waste water generation (80 % of Domestic Water+ 100% of Flushing Water)			383	KLD
2.1	Proposed capacity of STP			460	KLD
2.2	Total Treated Water Generation			345	KLD
3	Gardening/Horticulture			46	KLD
4	DG Cooling & water sprinkling on roads			10	KLD

**5. Waste water details:**

1.	Total Water Requirement	501	KLD
2.	Fresh water requirement	308	KLD
3.	Treated Water Requirement	193	KLD
4.	Waste water Generation	383	KLD
5.	Proposed Capacity of STP	460	KLD
6.	Treated Water required for Reuse	193	KLD
8.	Balance Treated Water Discharged in Municipal Sewer	152	KLD

**6. The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended).**

The consultant (EIA Coordinator) also submitted an affidavit dated 16/08/2022 mentioning is as follows:

1. I, Tarun Saharan, S/o Ranveer Saharan is EIA Coordinator of Ambiental Global Pvt. Ltd.
2. I have prepared EIA/EMP report for the Proposal (File No. 7184, SIA/UP/MIS/282537/2022) Name : Group Housing Project at Plot No.GH-3B, Sector-12, Greater Noida (West), U.P., M/s Sublime Realtech Pvt. Ltd. with my team.
3. I have personally visited the site of proposal and certify that 0% construction has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
7. The EIA/EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO-10**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

**Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The project proponent shall comply the use of fuel for backup power as per guidelines by “Commission of Air Quality Management in NCR”, directions of courts and CPCB shall be strictly adhered regarding DG sets (cleaner fuel as PNG/CNG/permissible fuel in NCR). The project proponent shall follow the orders/guidelines issued by Hon’ble Court(s)/Competent authorities from time to time.
5. The proponent should provide the electric vehicle charging points and also allocate the safe and suitable place in the premises for the same.
6. Project Proponent should adopt 01 village & develop them as model village.

**Standard Environmental Clearance Conditions prescribed by MoEF&CC:**

1. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
  3. 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.

4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. 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.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  5. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  6. Wet jet shall be provided for grinding and stone cutting.
  7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
  10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and



Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise monitoring and prevention:
  1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
  1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash

- bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
  9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
  10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    - b. Traffic calming measures.
    - c. Proper design of entry and exit points.
    - d. Parking norms as per local regulation.
  2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP,

- safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
  8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**11. Sand Stone Mining at Arazi No.-309 (Sl. No. 11), Village- Baradih, Tehsil- Chunar, Mirzapur, Shri Ram Lakhan Singh. Area: 0.8090 ha. File No. 7185/Proposal No. SIA/UP/MIN/79679/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Sand Stone Mine at Arazi No. 309 (Sl. No. 11), Village- Baradih, Tehsil-Chunar, District-Mirzapur, U.P., (Leased Area – 0.8090 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/ 79679 /2022		
2. File No. allotted by SEIAA, UP	7185		
3. Name of Proponent	Prop. Shri Ram Lakhan Singh		
4. Full correspondence address of proponent and mobile No.	R/o Ramraipur, District: Mirzapur, Uttar Pradesh		
	Mobile No-		
	Email-		
5. Name of Project	Baradih Building stone Sand Stone Mining project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No 309 (Sl. No. 11)		
7. Name of River	-		
8. Name of Village	Baradih		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Building Stone Sand Stone		
12. Sanctioned Lease Area (in Ha.)	0.8090 ha		
13. Max & Min mRL within lease area	Max- 115.0 mRL & 102.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25° 02'27.2"N	83°02'38.8"E
	B	25° 02'25.6"N	83°02'42.8"E
	C	25° 02'23.0"N	83°02'43.1"E
	D	25° 02'25.9"N	83°02'37.9"E
15. Total Geological Reserves	3,05,400 Cum		

16. Total Mineable Reserves in LOI	24,270 Cum/year	
17. Total Proposed Production	24,270 Cum/year	
18. Proposed Production/year	24,270 Cum/year	
19. Sanctioned Period of Mine lease	20 years	
20. Method of Mining	Open Cast Semi-mechanized Method	
21. No. of working days	260 days	
22. Working hours/day	8 hrs	
23. No. of workers	29	
24. No. of vehicles movement/day	14	
25. Type of Land	Government waste land	
26. Ultimate Depth of Mining	30	
27. Nearest metalled road from site	0.5 km	
28. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.29
	Suppression of dust	3.96
	Plantation	1.62
	Others (if any)	0.29
	Total	6.16
29. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= October 25, 2022	
30. Any litigation pending against the project or land in any court	No	
31. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
32. Details of Lease Area in approved DSR	Yes, given in the DSR	
33. Proposed CER cost	Rs 1,32,000/-	
34. Proposed EMP cost	Capital Cost-Rs 11,02,800/- including CER Recurring Cost- 4,08,000/-	
35. Length and breadth of Haul Road	Length: 0.330 km, width: 6 m	
36. No. of Trees to be Planted	809 plants	

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 28/07/2022 mentioning is as follows:

- I, Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
- I have prepared TOR project for the Proposal (SIA/UP/MIN/79679/2022), File No. 7185 of Sand Stone Mine at Arazi No. 309 (Sl. No. 11), Village- Baradih, Tehsil-Chunar, District-Mirzapur, U.P., (Leased Area – 0.8090 ha.) with my team.
- I have personally visited the site of proposal and certify that no mining activity has been undertaken on the project site for the present proposal.

4. I have satisfied with that all the necessary data/information submitted along with application/EIA/EMP are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EIA/EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 11**

**The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-1 to the minutes. The committee also stipulated following additional TOR Points:**

**Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**12. Discussion on Hon'ble NGT, Principal Bench, New Delhi order dated 01/07/2022 in the matter of O.A. No. 319/2022 (I.A. No.152/2022 and 153/2022).**

**RESOLUTION AGAINST AGENDA NO. 12**

The committee noted that under para-11 of EIA Notification, 2006 mentioned as below:

“A prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written “no objection” by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases.”

Hence, no action is required in transfer of environmental clearance cases at SEAC level.

**(Dr. Brij Bihari Awasthi)**  
**Member**

**(Dr. Ajai Mishra)**  
**Member**

**(Om Prakash Srivastava)**  
**Member**

**(Ashish Tiwari)**  
**Member-Secretary, SEAC-1**

**(Umesh Chandra Sharma)**  
**Member**

**(Dr. Ratan Kar)**  
**Vice-Chairman**

**Nodal, SEAC-1**

MoM prepared by Secretariat in consultation with  
Chairman & Members on the basis of decisions  
taken by SEAC-1 during the meeting.

**Annexure-1**

**Standard Terms of Reference for the Mining Project prescribed by MoEF&CC, GoI**

- 1) 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.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 3) 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.
- 4) 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).
- 5) 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.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.

- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) 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.
- 17) 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.
- 18) 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.
- 19) 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.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.
- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) 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.

- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) 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.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) 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.
- 45) 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.