

### **Minutes of 639<sup>th</sup> SEAC-1 Meeting Dated 25/03/2022**

The 639<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 25/03/2022. Following members participated in the meeting:

- |    |                             |                             |
|----|-----------------------------|-----------------------------|
| 1. | Shri Rajive Kumar,          | Chairman, SEAC-1            |
| 2. | Shri Om Prakash Srivastava, | Member, SEAC-1 (through VC) |
| 3. | Dr. Brij Bihari Awasthi,    | Member, SEAC-1 (through VC) |
| 4. | Shri Umesh Chandra Sharma,  | Member, SEAC-1 (through VC) |
| 5. | Dr. Ratan Kar,              | Member, SEAC-1 (through VC) |

The Chairman welcomed the members to the 639<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. Proposed of 99 KLPD Grain based Distillery At Arazi No.- 115, 106mi, 135, 104mi, 95mi, 97mi, 103mi, 92,135, Village Kasia, Tehsil –Kasia, District-Kushinagar., M/s. Ramaya Distilleries & Bottlers Pvt. Ltd., File No. 6937/Proposal No. SIA/UP/IND2/72281/2022**

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 Sawen Consultancy Services 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 “99 KLPD Grain based Distillery” at Arazi No. 115, 106mi, 135, 104mi, 95mi, 97mi, 103mi, 92,135, Village Kasia, Tehsil –Kasia, District-Kushinagar, U.P., M/s Ramaya Distilleries & Bottlers Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

S.No.	Particulars	Details
1	Project Type	Grain Based Distillery of 99KLPD Capacity B1 Category under Activity 5 (g) [Non-Molasses based distilleries<=100 KLD]
2	Project Name	M/s. Ramaya Distilleries & Bottlers Pvt. Ltd.
3	Project Location	Village Kasia, Tehsil –Kasia, District-Kushinagar, U.P.
4	Total project cost	174.68Crores
5	Area of the Plant	54401.47m <sup>2</sup> /13.43Acre/5.44Ha.
6	Consumption of Raw Material	Broken rice – 250 TPD, Rice Husk- 40 TPD
7	Production	75KLPD Ethanol, 24KLPD ENA(Extra Neutral Alcohol)
8	Power Requirement	Boiler – 30TPH Turbine – 3MW DG Set – 2 NOS.of 500KVA
9	Total Expected Population	440 Persons
10	Water Requirement	Industrial – 614.0 KLD (@ 6.0 KL/ KL of Product) Domestic – 20 KLD Total water Requirement – 614KLD
11	Waste Water Generation	Spent Wash 495 KLD @ 5 KL/KL of Product Other Effluents: 479KLD (Condensates)
12	No. of Working Days	330 days

13	Rain water harvesting pits	02
14	Municipal solid waste	106Kg/day

**3. Geo-coordinates of the proposed site:**

Point	Latitude	Longitude
<b>Main Unit</b>		
A	26°37'45.32"N	83°59'19.39"E
B	26°37'47.63"N	83°59'11.18"E
C	26°37'39.45"N	83°59'11.88"E
D	26°37'40.26"N	83°59'14.32"E
E	26°37'41.75"N	83°59'13.90"E
F	26°37'41.40"N	83°59'16.30"E
G	26°37'40.91"N	83°59'16.09"E
H	26°37'40.50"N	83°59'17.62"E
I	26°37'39.92"N	83°59'17.38"E
J	26°37'39.09"N	83°59'19.80"E
K	26°37'40.94"N	83°59'20.37"E
<b>Bottling Unit</b>		
A1	26°37'36.49"N	83°59'17.63"E
B1	26°37'34.45"N	83°59'25.44"E
C1	26°37'32.09"N	83°59'24.49"E
D1	26°37'32.81"N	83°59'21.01"E
E1	26°37'33.83"N	83°59'18.23"E
F1	26°37'34.21"N	83°59'17.77"E
G1	26°37'35.15"N	83°59'17.13"E

**4. Land use details:**

S.No.	Particular	Break-Up (m <sup>2</sup> )	Percentage (%)
1	BUA	35702.5	65.62
2	Open Space	746.49	1.37
3	Green Area	17952.48	33
	Total Plot Area	54401.47	100

**5. Machinery details:**

S.No.	Facility	Configuration
1	Grain Based Distillery Plant Facilities	99KLPD(75KLPD Ethanol,24KLPD ENA-Extra Neutral Alcohol)
2	Raw material	Broken rice – 250 TPD, Rice Husk- 40 TPD
3	Turbine capacity	3.0 MW
4	Boiler capacity	30 TPH
5	DG Set	2no.s of 500KVA
6	Bottling Unit Capacity	8 bottling lines

**6. Water requirement details:**

S. No.	Section	Water Consumption
1	Process water in fermentation & distillation	695 KLD
2	Make up water for cooling towers, Boiler make up DM water & floor wash	479 KLD
4	Domestic	20 KLD
	TOTAL	1194 KLD
<ul style="list-style-type: none"> <li>Domestic water requirement is 20KLD.</li> <li>Waste water generation from domestic use will be 18KLD.</li> <li>STP of 20KLD will be installed to treat the waste water generated from domestic use.</li> <li>The treated water from STP is 16KLD.</li> <li>6.0KLD will be used for firefighting.</li> <li>10KLD will be used for flushing and irrigation purpose.</li> </ul>		

**7. The project proposal falls under category-5(g) of EIA Notification, 2006 (as amended).**

**RESOLUTION AGAINST AGENDA NO-01**

**The committee discussed the matter and recommended to issue the standard terms of reference (TOR) for the preparation of EIA regarding the project as follows:**

- I. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & address all the critical issues involved in the project and mentioned in EIA report.
- II. Project Proponent should adopt 02 village & development them as model village.
- III. All the trees will be planted in first year of the project, plan should be submitted.
- IV. NOC from Irrigation Department regarding construction of Nala.
- V. Executive Summary.
- VI. Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project.
- VII. Project Description:
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, manpower requirement (regular and contract)
  - viii. Process description along with major equipment and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- VIII. Site Details:
  - i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Details w.r.t. option analysis for selection of site
  - iv. Co-ordinates (lat-long) of all four corners of the site.
  - v. Google map-Earth downloaded of the project site.
  - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
  - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
  - viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)

- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.
- IX. Forest and wildlife related issues (if applicable):
  - i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
  - ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
  - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
  - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
  - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
  - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.
- X. Environmental Status:
  - i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
  - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.
  - vii. Noise levels monitoring at 8 locations within the study area.
  - viii. Soil Characteristic as per CPCB guidelines.
  - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
  - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
  - xi. Socio-economic status of the study area
- XI. Impact and Environment Management Plan
  - i. Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions

(including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also touse for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

**XII. Occupational health:**

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

**XIII. Corporate Environment Policy:**

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.

- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have 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? This reporting mechanism shall be detailed in the EIA report
- XIV. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- XV. Enterprise Social Commitment (ESC):
  - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- XVI. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- XVII. A tabular chart with index for point wise compliance of above TOR.

**A. Specific Terms of Reference for EIA studies for distilleries:**

- 1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
  - 2. Number of working days of the distillery unit.
  - 3. Details of raw materials such as molasses/grains, their source with availability.
  - 4. Details of the use of steam from the boiler.
  - 5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
  - 6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
  - 7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
  - 8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
  - 9. Details about capacity of spent wash holding tank, material used, design consideration. No. of peizometers to be proposed around spent wash holding tank.
  - 10. Action plan to control ground water pollution.
  - 11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
  - 12. Details of bio-composting yard (if applicable).
  - 13. Action plan to control odour pollution.
  - 14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).
- 2. Sand/Morrum Mining from Son River bed at Arazi No.-385, (Khand-अ), Village-Barhmori, Tehsil- Obra, District- Sonbhadra., Shri Vijay Sen, M/s Master Genie Services Pvt. Ltd. Area: 12.146 Ha., File No. 6938/Proposal No. SIA/UP/MIN/71659/2022**

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 Environmental Research and Analysis, Lucknow (U.P.). 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/Morrum Mining from Son River bed at Arazi No.- 385, (Khand-अ), Village- Barhmori, Tehsil- Obra, District- Sonbhadra, U.P., (Leased Area: 12.146 Ha.), M/s Master Genie Services Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/71659/2022		
2. File No. allotted by SEIAA, U.P	6938		
3. Name of Proponent	M/S Mastergenie Services Private Limited Proponent- Shri Vijay Sen		
4. Full correspondence address of proponent and mobile no.	Floor- 03, Bussa industrial Street SH Tandel Marg, Mumbai 400025		
5. Name of Project	Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No.- 385, Khand- अ		
7. Name of River	Son River		
8. Name of Village	Barhmori		
9. Tehsil	Obra		
10. District	Sonbhadra (U.P.)		
11. Name of Minor Mineral	Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	12.146 Ha.		
13. Mineable Area (in Ha.)	8.6525 Ha. (Safety Margin 3.4935Ha)		
14. Zero level mRL	149 mRL		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL 156 mRL & 153 mRL respectively		
16. Pillar Coordinates (Verified by DMO)	Pillar Name	Latitude	Longitude
	A	24°28'14.14"N	83°12'53.98"E
	B	24°28'11.96"N	83°13'5.59"E
	C	24°28'0.75"N	83°13'5.76"E
	D	24°28'1.44"N	83°12'53.67"E
17. Total Geological Reserves	4,85,840 m <sup>3</sup>		
18. Sanction Quantity as per LOI	2,43,000 m <sup>3</sup> per year		
19. Total Proposed Production (in five year)	12,15,000 m <sup>3</sup> in five year		
20. Proposed Production/year	2,43,000 m <sup>3</sup> per year		
21. Sanctioned Period of Mine lease	5 Years as per LOI		
22. Total quantity issued for lease period of 5 years as per LOI	12,15,000 m <sup>3</sup> for lease period of 5 years		
23. Method of Mining	Opencast, semi-mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	73		
27. No. Of vehicles movement/day	74-75 Vehicles movement/day		
28. Type of Land	Government Land		
29. Ultimate Depth of Mining	3.0 m		
30. Nearest metalled road from site	SH 5A at 18.37 km towards west direction & Kone road at 2.9 km towards South direction from the project site.		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.83 KLD
	Suppression of dust		9.36 KLD
	Plantation		0.065 KLD
	Others (if any)		-
	Total		10.255 KLD (10.3 KLD approx.)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 , valid upto Dec 30, 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No.- 5013/ Khanij /2022 Date-27/01/2022		

35. Details of Lease Area in approved DSR	Page No. – 25, SI No. - 6
36. Proposed EMP cost	Rs 9,34,617 /-
37. Proposed Total Project cost	Rs. 7,00,00,000/-
38. Length and breadth of Haul Road	520 m length and 6.0 m width
39. No. of Trees to be Planted	65
40. Monitoring Period	01/10/2021 to 31/12/2021(Post Monsoon Season)

3. 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.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

### **RESOLUTION AGAINST AGENDA NO. 02**

**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. NOC from Irrigation Department regarding river bed mining to be submitted at the time of EIA presentation.
2. 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.
3. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigative measures for any critical issues involved in the project.
4. Combined KML of all mines in a cluster should be submitted at the time of EIA.
5. 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.
6. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
7. 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.
8. 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.
9. 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.
10. 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.



**3. Proposed Construction of New Multi-Specialty Hospital at Arazi/ Khasara No. 911, 912 & 913, Village- Baikunthpur, District-Kanpur Nagar, M/s Yash Kothari Memorial Hospital (YKMH), File No. 6939/Proposal No. SIA/UP/MIS/72305/2022**

The committee was informed that an application dated 15/02/2022 (Proposal No. SIA/UP/MIS/72305/2022) was made by the project proponent M/s Yash Kothari Memorial Hospital for environmental clearance of Proposed Construction of New Multi-Specialty Hospital at Arazi/ Khasara No. 911, 912 & 913, Village- Baikunthpur, District-Kanpur Nagar, U.P. under violation category as per procedure laid down in MoEF&CC, Govt. of India Office Memorandum dated 7<sup>th</sup> July, 2021 regarding standard operating procedure (SoP) for identification and handling of violation cases under EIA Notification, 2006.

The committee was also informed that approximately 50% of construction work has already been completed by the project proponent without obtaining prior environmental clearance and Rs. 52.80 Crore has been invested in the project as per Chartered Accountant Certificate submitted by the project proponent.

The committee observed that as per clause 12 a (i) of OM No. F.N. 22-21/2020-IA.III dated 07/07/2021 under Penalty provisions for violation cases and applications: For New Projects: Where operation has not commenced: 1% of the total Project Cost incurred upto the date of filing of application along with EIA/EPM Report has to be imposed on the project proponent. However as per clause 12.2 of OM Dated 07/07/2021 the percentage rates, as above, shall be halved if the PP suo-moto reports the such violation without such violations coming to the knowledge of the Government either on inquiry or complaint.

The committee was informed by the Nodal Officer that as per records available with Directorate and written communication by all concerned in the directorate, no complaint has been received in the Directorate of Environment UP till this date of meeting against the said project regarding starting of construction work at site without obtaining prior environmental clearance.

The Project proponent has submitted project Cost Certificate issued by Chartered Accountants, MG & Co, dated 28/03/2022 stating total project cost incurred is Rs. 52.80 Crores.

In view of the above, Committee recommended to impose a penalty of Rs. 26.40 Lakhs (0.5% of total project cost incurred up to 28/03/2022) on project proponent which has to be deposited with UPPCB before filling of EIA Report. In case it comes to notice of SEIAA/ SEAC that any complaint is received from any person/institution/departments/organization prior to suo-moto declaration of the project proponent then penalty will be increased to 1% as per SoP/OM dated 7<sup>th</sup> July, 2021.

The committee also directed the project proponent will not start operation at the site until the Environmental Clearance is granted as per section 11 of standard operating procedure (SoP) for identification and handling of violation case under EIA Notification, 2006.

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 Earthvision India Associate Consultant. 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 Proposed Construction of “New Multi-Specialty Hospital” at Arazi/ Khasara No. 911, 912 & 913, Village- Baikunthpur, District-Kanpur Nagar, U.P., M/s Yash Kothari Memorial Hospital.
2. Salient features of the project:

Sl. No.	Description	Quantity	Unit
<b>GENERAL</b>			
1	Plot Area	12310.00	SQMT

2	Proposed Built Up Area	40074.32	SQMT
3	Super Specility Hospital - No of Beds	100	No.
4	No of Blocks	2	No.
5	Max Height of Building Block (Upto Terrace)	29	M
6	Max No of Floors	Ground+8,with 3 Compartment & basement	No.
7	Cost of Project	59.29	CR
8	Proj Activity: Super Specialty Hospital.		
WATER			
9	Total Water Requirement	85	KLD
10	Fresh water requirement	80	KLD
11	Treated Water Requirement	43	KLD
12	Waste water Generation	19.3+34.4	KLD
13	Proposed Total Capacity of STP	25	KLD
14	Proposed Capacity of ETP	50	KLD
15	Treated Water Available for Reuse	15.5 STP+27.5 ETP	KLD
16	Treated Water Recycled	43	KLD
17	Discharged in Municipal Sewer	Zero	KLD
RAIN WATER HARVESTING			
18	No of RWH of Pits Proposed	4	No.
PARKING			
19	Proposed Total Parking	332	ECS
GREEN AREA			
20	Proposed Green Area (20 % of plot area)	2400	SQMT
WASTE			
Latitude		26 <sup>0</sup> 32' 55.8" N,	
Longitude		80 <sup>0</sup> 15'33.9" E	
Land use		Hospital Institutional	
Nearest Habitat/ Town		Village Hardaypur- 1.4 km N	
Nearest Railways Station		Panki Railway Station 16 Km	
Nearest Airport		Kanpur Airport, 26 Km	
Nearest Highway		N.H. –91 bypass , (Kanpur-Bithoor ) ( 0.5 Km )	
Nearest Market Place		Singhpur Market-1.0 Km SE	
Seismic Zone		Zone – IV	
Nearest School		Gaurav Memorial International School- 1.6 Km SE	
Nearest Hospital		Kanhaiya Hospital-1.5 km S	
Working Days (year )		365days	
Man Power		320	
Power requirement		Total demand load for the Project has been estimated to be 1.784 MW by UPPCL. During power failure will be supplied by 2 x 1010 KVA DG sets.	
Solid waste generation		150 kg/day	
Hazardous waste		S. No	Schedule
		1	5.1
		2	34.2
		3	
		Particulars	Quantity
		Lube Oil	0.2 MT/annum
		Dried ETP sludge.	0.01 MTA
		Dried STP sludge	0.5MTA

**3. Area details of the project:**

S.No	Particulars	
1	Total Plot Area	12310.00 Sq.M
2	FAR =2.00, structure	Ground+8,with 3 Compartment & basement
3	Height of Building	30 Meter
4	Proposed built up area	40074.32Sq.M
5	Total Parking	332ECS
6	Total Road Area	5000 SqM
7	Total Green Area	2400.00Sq.M (150 nos of tree proposed to be planted)

**4. Water calculation details:**

SN	Description	Capacity	Water consumption (Litre)	Total water requirement (KLD)
1.	Number of beds	100 nos.	340 per bed	34.0
2.	OPD patients with attendants	25 nos.	15 per head	0.4
3.	Medical Quarters (66 x 02)	132 nos.	135 per head	17.8
4.	Canteen	100 meals	15 per meal	1.5
5.	Green Belt/Landscape	2400 m <sup>2</sup>	6.5 per m <sup>2</sup>	15.6
6.	DG Cooling (2x 750 KVA)	1500	0.9 per KVA	1.4
7.	HVAC (Heating, Ventilation, and Air Conditioning)	140 TR	100 (10ltr /TR/hr for 10hr)	14.0
8.	Total			84.7 Says 85

**5. Waste water details:**

SN	Description	Capacity	Water consumption (Litre)	Total wastewater generated (KLD)
<b>Domestic Wastewater</b>				
	Medical Quarters (66 x 02)	132 nos.	135 per head	17.8
	Canteen	100 meals	15 per meal	1.5
A.	Total			19.3
<b>Hospital Wastewater</b>				
	Number of beds	100 nos.	340 per bed	34.0
	OPD patients with attendants	25 nos.	15 per head	0.4
B.	Total			34.4
	Total A+B			53.70 Says 54

- Waste water of 54.0 KLD (19.3 KLD-STP+ 34.4 KLD-ETP) which will be treated in 1 Nos. of STP of capacity 25 KLD and 1 Nos. of ETP of capacity 50 KLD respectively. Treated water from the STP & ETP will be used for flushing, DG cooling, HVAC Cooling, Green belt and horticulture/landscape purpose etc. to achieved "Zero Liquid Discharge.

6. The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended) and MoEF&CC, SoP/Office Memorandum dated 07/07/2021 for the violation project.

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter in view of MoEF&CC Violation SoP/Office Memorandum dated 07/07/2021 and recommended to issue the standard terms of reference (TOR) for the preparation of Environment Impact Assessment Report. The committee also stipulated following additional TOR points:**

**Additional TOR:**

- A letter sent to District Magistrate, Kanpur Nagar and Vice Chancellor, KDA regarding no construction work shall be undertaken by the project proponent at the site without obtain valid environmental clearance from SEIAA, U.P.
- The committee prescribed specific Terms of Reference for the project on the assessment of ecological damage, remediation plan and natural and the community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.
- The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The Quantum shall be recommended by the SEAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation

of the EMP, followed by recommendations of the SEAC and approval of the regulatory authority.

4. Uttar Pradesh Pollution Control Board to take action against the project proponent under the provisions of section 19 of Environment Protection Act, 1986.
5. Assessment of ecological damage with respect to air, water land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
6. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
7. Status report regarding construction/development work has already taken up.
8. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & address all the critical issues involved in the project and mentioned in EIA report.

**Standard terms of reference:**

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.

18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
23. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
24. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
25. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

**4. Sand/Morrum Mining From Riverbed Ganga at Gata No.: 1, Khand No.:02, Village: Uchagaon Khadar, Tehsil: Dibai, District : Bulandshahr, Shri Satish Kumar, Area: 11.424 Ha., File No. 6944/Proposal No. SIA/UP/MIN/70943/2022**

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 Globus Environment Engineering Services. 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/Morrum Mining from Riverbed Ganga at Gata No.: 1, Khand No.02, Village: Uchagaon Khadar, Tehsil: Dibai, District : Bulandshahr, U.P., (Leased Area: 11.424 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/70943/2022		
2. File no. allotted by SEIAA,UP	6944		
3. Name of Proponent	Shri Satish Kumar S/o- ShriJila Singh		
4.Full correspondence address of proponent and mobile no.	R/O- 66/1, Bade Talabke Pass Basaudh District-Bagpat,Uttar Pradesh		
5. Name of Project	Sand Mine at Ganga River Bed		
6. Project location (Plot/Khasra/Gata No.)	Gata No.01(Khand - 02)		
7. Name of River	Ganga		
8.Name of Village	Unchagaon Khadar		
9. Tehsil	Dibai		
10.District	Bulandshahr, U.P.		
11. Name of Minor Mineral	Sand		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 111.424 Ha		
13. Mineable Area (in Ha.)	11.424 Ha		
14. Zero Level mRL	175.0 m		
15. Max. & Min mRL within lease area	Highest Point :177.0 mRL Lowest Point :176.0 mRL		
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
(Source: Verified Khasra Map)	Pillars	Latitude (N)	Longitude (E)
	E	28°6'55.17"N	78°28'12.73"E
	F	28°6'45.57"N	78°28'29.31"E
	G	28°6'39.06"N	78°28'25.78"E
	H	28°6'49.12"N	78°28'09.61"E

17. Total Geological Reserves (Source: Approved Mining Plan)	3,14,060m <sup>3</sup>	
18. Total Mineable Reserves (Source: Approved Mining Plan)	1,14,240 m <sup>3</sup>	
19. Total Proposed Production (in five years)	5,71,200 m <sup>3</sup>	
20. Proposed Production/year	1,14,240 m <sup>3</sup> per annum	
21. Sanctioned Period of Mine lease	5 years	
23. Method of Mining	Opencast, semi-mechanized	
24. No. of Working days	260 Days	
25. Working hours/day	8 -10 hours/day	
26. No. Of Workers	51	
27. No. of vehicles movement/day	22 Units (Assumed Loading Capacity: 40T/Unit)	
28. Type of Land	State Government Land	
29. Ultimate Depth of Mining	01 m (177mRL – 176mRL) (Source: Approved Mining Plan)	
30. Nearest metalled road from site	882 m	
Water Requirement	Purpose	Requirement (KLD)
	Drinking	0.255
	Suppression of Dust	6.174
	Plantation	11.424
	Total	17.853
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till March 26/2022	
33. Any litigation pending against the project or hand in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Bulandshahar,Letter No. 1112, Dated:14.02.2022	
35. Details of Lease Area in approved DSR	Approved DSR,Bulandshahar Page No 49,Table No.18,Sr No. 02	
36. Proposed CER Cost	Rs. 10.68 Lakhs (2% of the total Project Cost)	
37. Proposed EMP Cost	Rs. 40.05 Lakhs	
38. Length and width of Approach Road	Approach Road Length 882 m & Width 7 m	
39. No. of Trees to be Planted	11424 Trees	

- 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).

#### **RESOLUTION AGAINST AGENDA NO. 04**

**Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining 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:**

- NOC from Irrigation Department regarding river bed mining to be submitted at the time of EIA presentation.
- 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.

3. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigative measures for any critical issues involved in the project.
4. Combined KML of all mines in a cluster should be submitted at the time of EIA.
5. 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.
6. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
7. 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.
8. 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.
9. 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.
10. 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.

**5. Building Stone (Khanda / Gitti / Boulder / Pahadi Lal Morrum) Mining at Gata No. 1078 (Khand No.- 32), Village- Gonda, Tehsil- Karwi, District- Chitrakoot, Shri Shivmangal Singh., Area- 2.024 Ha., File No. 6945/Proposal No. SIA/UP/MIN/72325/2022**

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 Environmental Research and Analysis, Lucknow(U.P.). 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 “ Building Stone (Khanda / Gitti / Boulder / Pahadi Lal Morrum) Mining at Gata No. 1078 (Khand No.- 32), Village- Gonda, Tehsil- Karwi, District- Chitrakoot, U.P., (Leased Area- 2.024 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/72325/2022		
2. File No. allotted by SEIAA, UP	6945		
3. Name of Proponent	M/S NARAYAN STONE MILL Proponent - Shri Shivmangal Singh S/o Late Sudama Singh		
4. Full correspondence address of proponent and mobile no.	R/o- Akbarpur Ba, Bharatkoop,Tehsil- Karwi, District- Chitrakoot, Uttar Pradesh		
5. Name of Project	Granite, Gitti, Khanda, Boulder & Pahadi Laal Morrum Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 1078, Khand No- 32		
7. Name of River	NA		
8. Name of Village	Gonda		
9. Tehsil	Karwi		
10. District	Chitrakoot (U.P)		
11. Name of Minor Mineral	Granite, Gitti, Khanda, Boulder & Pahadi Laal Morrum Mining Project		
12. Sanctioned Lease Area (in Ha.)	2.024 Ha.		
13. Mineable Area (in Ha.)	1.7612 Ha.(Safety area 0.2628 Ha.)		
14. Max. & Min mrl within lease area	Maximum mRL 281 mRL Minimum mRL 269 mRL		
15. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)

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	A	25°11.625'N	80°43.957'E
	B	25°11.617'N	80°44.109'E
	C	25°11.583'N	80°44.109'E
	D	25°11.585'N	80°43.957'E
16. Total Geological Reserves	6,65,260 m <sup>3</sup>		
17. Total Mineable Reserves	60,720 m <sup>3</sup> per year as per LOI		
18. Total Proposed Production (in five year)	3,03,600 m <sup>3</sup>		
19. Proposed Production/year	60,720 m <sup>3</sup> per year		
20. Sanctioned Period of Mine lease	20 Year		
21. Production of mine/day	NA		
22. Total quantity issued for lease period of 20 years as per LOI	12,14,400 m <sup>3</sup> for lease period of 20 years		
23. Method of Mining	Open Cast/ Semi-Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	25		
27. No. Of vehicles movement/day	18-19 Vehicles movement/day		
28. Type of Land	Government Land(Stony area)		
29. Ultimate Depth of Mining	27 m		
30. Nearest metalled road from site	NH-35 which is 2.72 km towards North direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.35 KLD	
	Suppression of dust	4.68 KLD	
	Plantation	2.024 KLD	
	Others (if any)	-	
	Total	7.054 KLD or (7.1 KLD approx )	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA0200 and valid up to 30 Dec. 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. - 1288/खनिज/2021-22 date 24/01/2022		
35. Details of Lease Area in approved DSR	Page No- 57, Sl. No- 08		
36. Proposed EMP cost	Rs 5,72,780/-		
37. Total Project cost	Rs. 99,00,000/-		
38. Length and breadth of Haul Road	520 m length and 6.0 m width		
39. No. of Trees to be Planted	2024		
40. Monitoring Period	1/03/2022 to 31/5/2022(Summer Season)		

- 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).

**RESOLUTION AGAINST AGENDA NO. 05**

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 mitigative 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.

**6. Proposed "Hi-Tech Township" at Village: Kalli Paschim, Maati, Ali Nagar Khurd, Ashraf Nagar &, Ahamad Nagar, Raibareli Road, District: Lucknow, M/s Omaxe Garv Buildtech Pvt. Ltd., Cyber Tower, II Floor, TC34/V2, Vibhuti Khand, Gomti Nagar, Lucknow., File No. 6946/Proposal No. SIA/UP/MIS/72333/2022**

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 Environmental and Technical Research Centre. 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 Proposed "Hi-Tech Township" at Village: Kalli Paschim, Maati, Ali Nagar Khurd, Ashraf Nagar &, Ahamad Nagar, Raibareli Road, District: Lucknow, M/s Omaxe Garv Buildtech Pvt. Ltd.
2. Environment clearance for the existing project was issued by SEIAA, U.P. vide letter no. 1274/PARYA/SEAC/606/2010 , dated 02/06/2011 and extension of validity is granted vide letter no. 328/parya/SEAC/606/2018 dated 20<sup>th</sup> August 2018 and 434/parya/SEAC/606/2019 dated 15<sup>th</sup> October 2020 which is valid till 31.05.2021 for plot area 2700 acres and built up area 1,49,69,262.41 m<sup>2</sup>.
3. The area of the existing EC has been revised from 2700 Acres to 530.61 Acres, built - up area has been revised from 1,49,69,262.41 Sqm to 24,67,451.465 sqm ( Reduced approx. – 83 % of built up area in 1<sup>st</sup> EC) .
4. Comparative details of existing and proposed project:

S.NO.	PARTICULARS	As per Previous EC	As per Revised Proposal
1	Total Plot Area	2700 Acres	530.61 Acres
2	Built-up Area	1,49,69,262.41 m <sup>2</sup>	2467451.465
3	Total Population	4,13,296	2,43,748
4	No. of dwelling units	11,168	Unit in Group Housing – 4597 Nos LIG & EWS Unit - 2709 Nos

			Row Houses - 3034 Nos
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**5. Area calculation details:**

LAND AREA CALCULATIONS				
Particulars	Area	Unit	Area	Unit
Total Plot Area	2650706.0	Sqm	655.01	Acres
Deductions :				
Village Area	546334.0	Sqm	13.50	Acres
Ring Road within Green Belt Area	204744.0	Sqm	50.59	Acres
Existing Road	12653.0	Sqm	3.13	Acres
Existing Road / Irrigation Canal	17407.0	Sqm	4.30	Acres
Master Plan 2031 Road Area	195894.0	Sqm	48.41	Acres
Ponds out of village boundary	18089.0	Sqm	4.47	Acres
Total	503420.0	Sqm	124.40	Acres
Revised Land Area is			530.61	Acres

**6. Land use details:**

S. No.	Land use Particulars	Area (in Acres)	% of the total area
1	Residential	218.24	41.13
2	Commercial	53.06	10
3	Public/ semi-Public	48.07	9.06
4	Recreational	11.47	2.16
5	Green Cover	79.94	15.07
6	Roads	119.83	22.58
Total		530.61	100

**7. Salient features of the proposed project:**

S.No.	Item	Details
1.	Area Details	Total Project Area : 530.61 Acre (2147302.49 sqm). Proposed Integrated Township includes following activities : Group Housing Commercial Public / Semi Public Recreational Roads b. Total Proposed built-up area : 2467451.465 Sqm
2.	Project Cost	288600 Lakhs
3.	Green Belt	15.06 % of total project area will be develop as Green Belt.
4.	Total Soil Excavation	300932.34 Cubic meter
5.	Population	243748 Nos
6.	Water Requirement	During the construction phase, water requirement will be met through the private water tanker. It is estimated that the total water demand during the construction phase will be 1250 KLD and during operation phase total water demand will be 20292.76 KLD and Fresh water requirement is 14875.32 KLD. Fresh Water Requirement : 14875.32 KLD Treated Water Requirement : 5417.44 KLD Waste water generation : 17317.69 KLD Source of Water : Ground Water and recycled water for irrigation, flushing and cooling water.
7.	Waste Water Generation and its Treatment	17317.69 KLD, which will be treated in STP of Capacity 18800 KLD. STP capacity will be 20 % additional as per MOEF norms. After recycling of treated water from STP, Surplus treated water will be discharge into local drain.
8.	Power Requirement	109492.45 KVA, <i>Source</i> : UPPCL
9.	Parking	Proposed : 11168 ECS
10.	Rain Water Harvesting Pits	59 Nos RWH pit will be develop to ensure the rain water recharge.
11.	Solid Waste	74.68 Ton per day Municipal waste will be generated. Out of total 40.4 TPD will be the organic waste and rest 34.28 TPD inorganic and inert material will be provided to authorised recycler of UPPCB.

	Organic waste converter machine will be install for safe disposal of organic waste at site.
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8. Water calculation details:

Sl.No.	Heads	Quantity (KLD)
1	Total water demand	20292.76
2	Fresh water requirement	14875.32
3	Treated water requirement	5417.44
4	Waste water generation	17317.69
5	STP Capacity	18800
6	Surplus treated water	8436.71

9. Estimated demand for irrigation:

Sr. No.	Usage Type	Required Unit/Area	Water Requirement	
		Hectare	KLD	MLD
1	Green belt @ 10 KLD/hac	32.35	2043.00	2.043
2	Lawn @ 25 KLD/hac	4.64	116.00	0.116
Total Water Demand for irrigation			2159	2.159

10. Solid waste calculation details:

S.No.	Particulars	Residential @0.5kg/day	Commercial @0.2 kg/day	PSP @ 0.1 kg/day	Recreation @0.1 kg/day	Group Housing@0.5 kg/day
1	Zone 1	18440 x 0.5 = 9220	897 x 0.2 = 179.4	15556 x 0.1 = 1555.6		
2	Zone 2	16350 x 0.5 = 8175	595 x 0.2 = 119	18775 x 0.1 = 1877.5	696 x 0.1 = 69.6	
3	Zone 3	13340 x 0.5 = 6670	27977 x 0.2 = 5595.4	1014 x 0.1 = 101.4	0	
4	Zone 4	9500 x 0.5 = 4750	25656 x 0.2 = 5131.2	13298 x 0.1 = 1329.8	0	
5	Commercial & Group Housing		36378 x 0.2 = 7275.6			45274 x 0.5 = 22637
	Total	28815	18300.6	4864.3	69.6	22637
Total Solid Waste(kg/day) = 28815 + 18300.6 + 4864.3 + 69.6 + 22637 = 74686.5 Kg/day or 74.68 T/day						

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

**RESOLUTION AGAINST AGENDA NO-06**

**The committee discussed the matter and recommended to issue the standard terms of reference (TOR) for the preparation of Environment Impact Assessment Report. The committee also stipulated following additional TOR points:**

**Additional TOR:**

1. Certified compliance report for the existing environmental clearance issued by SEIAA, U.P. from Integrated Regional Officer, MoEF&CC, Lucknow.
2. At the time EIA presentation Mechanical, Electrical and Plumbing (MEP) engineers should be present during the meeting.
3. Complete details regarding sewage discharge and its management.
4. Project Proponent should adopt the 05 villages and development them as model village.
5. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigative measures for any critical issues involved in the project.

**Standard terms of reference:**

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.

2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. Examine soil characteristics and depth of ground water table for rainwater harvesting.
13. Examine details of solid waste generation treatment and its disposal.
14. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
15. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
16. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
17. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
18. Examine the details of transport of materials for construction which should include source and availability.
19. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
20. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
21. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
22. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
23. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
24. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
25. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

7. **Building Stone, Khanda, Ballast (Gitti) (Granite) & Hilly Red Morrum” at Araj No.- 1969, Village Makarbai, Tehsil Sadar & District- Mahoba, Shri Daljeet Singh., Area 0.567 Ha., File No. 6948/Proposal No. SIA/UP/MIN/72411/2022**

**RESOLUTION AGAINST AGENDA NO. 07**

The project proponent vide letter dated 03/04/2022 informed that due to unavailability of authorized representative of project proponent they are unable to attend the meeting and requested to defer the matter in upcoming SEAC meeting. The committee directed to defer the matter as per request made by the project proponent.

8. **Riverbed Sand Mining at Gata No.-593, Village Khaira Khas, Tehsil- Belthara Road, District- Ballia, Shri Krishn Nagar Yadav., M/s Shiva Enterprises, Area – 11.9 ha., File No. 6949/Proposal No. SIA/UP/MIN/72407/2022**

**RESOLUTION AGAINST AGENDA NO-08**

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

9. **Riverbed Sand Mining at Gata No.-659/11, Village-Leelapur, Tehsil- Sadar, District- Ghazipur, Shri Krishn Nagar Yadav, M/s Shiva Enterprises, Area – 5.115 ha., File No. 6950/Proposal No. SIA/UP/MIN/72405/2022**

**RESOLUTION AGAINST AGENDA NO-09**

The project proponent/consultant did not appear. The committee discussed and deliberated that project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at level of SEAC-1. The matter will be discussed only after submission of online request on prescribed online portal.

10. **Building Stone (Sand stone) Mining at Araj No-37, Village-Dakahi, Tehsil-Chunar, District-Mirzapur., Shri Ramakant Chaubey., Area- 1.818 Ha., File No. 6952/Proposal No. SIA/UP/MIN/72605/2022**

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 Environmental Research and Analysis, Lucknow(U.P.). 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 “ Building Stone (Sand stone) Mining at Araj No-37, Village-Dakahi, Tehsil-Chunar, District-Mirzapur., (Leased Area- 1.818 Ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/72605/2022
2. File No. allotted by SEIAA, UP	6952
3. Name of Proponent	Shri Ramakant Chaubey S/o Shri Ram Dular Chaubey
4. Full correspondence address of proponent and mobile no.	R/o- Moin Kumar Bhabhua, Bhabhua (Bihar)
5. Name of Project	Building Stone (Sandstone) Mining Project
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 37

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7. Name of River	NA		
8. Name of Village	Dakahi		
9. Tehsil	Chunar		
10. District	Mirzapur (U.P.)		
11. Name of Minor Mineral	Building Stone (Sandstone) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.818 Ha.		
13. Mineable Area (in Ha.)	1.701 Ha.(Safety area 0.117 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 112 mRL Minimum mRL 87 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 02'4.8"	83° 03'35.3"
	B	25° 02'7.6"	83° 03'38.6"
	C	25° 02'2.2"	83° 03'40.4"
	D	25° 02'0.14"	83° 03'37.0"
17. Total Geological Reserves	3,88,080 m <sup>3</sup>		
18. Total Mineable Reserves	54,540 m <sup>3</sup> per year as per LOI		
19. Total Proposed Production (in five year)	2,72,700 m <sup>3</sup>		
20. Proposed Production/year	54,540 m <sup>3</sup> per year		
21. Sanctioned Period of Mine lease	10 Year (from date of execution)		
22. Total quantity issued for lease period of 10 years as per LOI	5,45,400 m <sup>3</sup> for lease period of 10 years		
23. Method of Mining	Open Cast, Semi Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	25		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Government Land(Stony area)		
29. Ultimate Depth of Mining	30 m		
30. Nearest metalled road from site	SH-5A about 3.0 km towards East direction and MDR-169E/Ahraura-Chakia Road about 1.25km towards South Direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.35 KLD	
	Suppression of dust	2.43 KLD	
	Plantation	1.818 KLD	
	Others (if any)	-	
	Total	4.598 KLD or (4.6 KLD approx.	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/EIA/1922/RA0200 and valid up to 30 Dec. 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. - Letter No. 3294/खनिज/2022 date 14/02/2022		
35. Details of Lease Area in approved DSR	Letter No-3515/Khanij/2022 dated 22/03/2022		
36. Proposed EMP cost	Rs 5,39,374/-		
37. Total Project cost	Rs. 1,30,00,000/-		
38. Length and breadth of Haul Road	270 m length and 6.0 m width		
39. No. of Trees to be Planted	1818		
40. Monitoring period	01/03/2022 – 31/05/2022(Summer Season)		

- 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.

7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO. 10**

**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 mitigative 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.

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

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

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

**(Dr. Ratan Kar)**  
**Member**

**(Rajive Kumar)**  
**Chairman**

**Mohd. Rahib, Assistant Director**

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.