

Minutes of 610th SEAC-2 Meeting Dated 22/12/2021

The 610th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 22/12/2021. Following members participated in the meeting:

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| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2 |
| 2. | Dr. Amrit Lal Haldar, | Member, SEAC-2 (through VC) |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tanzar Ullah Khan, | Member, SEAC-2 |
| 5. | Prof. Jaswant Singh, | Member, SEAC-2 |
| 6. | Dr. Shiv Om Singh, | Member, SEAC-2 (through VC) |

The Chairman welcomed the members to the 610th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Granite Mining at Gata No.-715/24, Village- Gonda, Tehsil- Karwi, District- Chitarkoot., Shri Rajjan Bajpevi, Area -4.048 ha. File No. 6441/Proposal No. SIA/UP/MIN/64582/2021**

The committee noted that the matter was earlier discussed in 576th SEAC meeting dated 04/10/2021 and the project proponent did not appear in the meeting. The project proponent vide letter dated 17/11/2021 has requested to list the matter in next SEAC meeting.

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 Granite Mining at Gata No.-715/24, Village- Gonda, Tehsil- Karwi, District- Chitarkoot, U.P., (Leased Area -4.048 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/64582/2021
2.	File No. allotted by SEIAA, UP	6441
3.	Name of Proponent	Prop: Shri Rajjan Bajpevi
4.	Full correspondence address of proponent and mobile No.	R/o 128/133 Y- 1, Kidwai Nagar, Naubasta, District- Kanpur Nagar, (U.P.)
		Mobile No-
		Email-
5.	Name of Project	Granite Stone (Khanda/ Gitti/ Boulder) Mining project
6.	Project location (Plot/Khasra/Gata No.)	Gata No. 715/24
7.	Name of River	-
8.	Name of Village	Gonda
9.	Tehsil	Karwi
10.	District	Chitrakoot
11.	Name of Minor Mineral	Granite Stone (Khanda/ Gitti/ Boulder)
12.	Sanctioned Lease Area (in Ha.)	4.048 ha

13. Max & Min mRL within lease area	Max- 210.0 mRL & 120.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°12'18.60"N	80°45'18.66"E
	B	25°12'18.54"N	80°45'28.74"E
	C	25°12'11.10"N	80°45'26.04"E
	D	25°12'11.46"N	80°45'20.64"E
15. Total Geological Reserves	30,56,923.5 Cum		
16. Total Mineable Reserves in LOI	50,575 Cum/year		
17. Total Proposed Production	50,575 Cum/year		
18. Proposed Production/year	50,575 cum		
19. Sanctioned Period of Mine lease	Maximum 20 years		
20. Production of mine/day	769.23		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	260 days		
23. Working hours/day	8 hrs		
24. No. of workers	53		
25. No. of vehicles movement/day	108		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	84		
28. Nearest metaled road from site	0.8 km		
29. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.53
	Suppression of dust		5.30
	Plantation		4.00
	Others (if any)		0.53
	Total		10.36
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
33. Details of Lease Area in approved DSR	Yes, given in the DSR		
34. 38. Proposed CER cost	Rs 2,16,000/-		
35. 39. Proposed EMP cost	Capital Cost-Rs 24,00,000/- Recurring Cost- 4,08,000/-		
36. 40. Length and breadth of Haul Road	Length: 439 m, width: 6 m		
37. 41. No. of Trees to be Planted	4048 plants		

38. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.

39. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.

40. There is no litigation pending in any court regarding this project.

41. The project proposal falls under category-1(a) 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 for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants. The proponent/consultant shall submit the plantation plan along with permission of concerned authority/ individuals.
2. The proponent/ consultant should prepare and submit a proposed plan for safe disposal of municipal solid waste and human excreta.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement from lease site to link road with detailed information.
5. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
6. Proponent/ Consultant should provide the plan/information about the technology to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
7. 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.
8. Water requirement details along with source of water.
9. Monitoring site photographs along with PP/PP authorized person, date, time and place with geo coordinates should be submitted at the time of EIA presentation.

2. Common Biomedical Waste Treatment Facility at Khasra No.- 167 Mi & 90 Mi, at Village-Maleya, Tehsil-Sandila, Hardoi., M/s AV Biomedical Waste Services. File No. 6288/Proposal No. SIA/UP/MIS/62770/2021

The committee noted that the matter was earlier discussed in 550th SEAC meeting dated 1/07/2021 and directed the project proponent as follows:

“The committee observed that the project proponent did not submit the complete documents/information regarding the project proposal. Hence, the committee directed to defer the matter. The committee advised the project proponent to submit the GPS location map showing location details of other CWTF in radial distance of 75kms of the proposed site as per CBWTF guidelines 2016 of CPCB. The project proponent also include the number of beds catered by the CBWTFs (verified by concerned District CMOs) within 75kms radius of the site is also required.”

The project proponent submitted their replies vide letter dated 25/11/2021. 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 Management Division of India Glycols 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 Common Biomedical Waste Treatment Facility at Khasra No.- 167 Mi & 90 Mi, at Village-Maleya, Tehsil-Sandila, Hardoi., M/s AV Biomedical Waste Services.
2. Salient features of the project:

S.	Parameter	Description
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No		
1.	Identification of project	The Proposed project of CBWTF falls under Category B-1, schedule 7(da) as per the EIA Notification 14th Sep, 2006 and subsequent amendments dated 1st December, 2009 & 17th April, 2015.
2.	Proposed Project	Environment Clearance for Proposed Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No. 167Mi and 90Mi, Village- Maleya, Tehsil- Sandila, District-Hardoi, Uttar Pradesh.
3.	Total area of the Plant	0.3790 ha ha (2Acre)
4.	Capital Cost	Rs. 2.78 Crores
5.	Location	Village- Maleya, Tehsil- Sandila, District-Hardoi, Uttar Pradesh.
6.	Coordinates of the Site	Sr. No. Latitude Longitude 1 27°0'45.44"N 80°29'30.01"E 2 27°0'43.71"N 80°29'29.07"E
7.	Water Requirement/Source	
	Water Requirement (KLD)	Total – 11.00 KLD Fresh – 7.10 KLD Recycled – 3.90 KLD
	Source of water	Ground water Supply (Water will be abstracted only after getting NOC from CGWA)
8.	Water Break-up	Incineration Process : 2.40 KLD Steam Generation (Heat Exchanger) : 0.20 KLD Miscellaneous i.e. Floor & Vehicle washing etc. : 3.80 KLD Domestic Purpose : 0.60 KLD Green Belt : 4.00 KLD Total : 11.00 KLD
9	Waste Water Management Waste water generation Mode of Disposal	Proposed ETP (Capacity –10.0 KLD). Ind. Activities: 4.75 KLD, Domestic Purpose: 0.50 KLD. Treated water from proposed ETP will be reused for scrubbing and Green belt purpose.
10	Rain water harvesting (RWH)	01 Nos of Pit will be provided
11	Employment generation	Total – 20 Nos.
12	Power Supply/ Start up Power	Total – 40 KVA (Sources from UPPCL)
13	DG sets	Total – 35.0 KVA (01 No.)
14	Land form, Land use and land ownership	Private Land

3. Waste generation details:

S.NO	DESCRIPTION	ASSUMPTION	TOTAL WASTE (IN KG)	REMARKS
1	NO OF PROPOSED BEDS	10000		
2	WASTE GENERATION/BED/DAY	0.2 KG- 0.4 KG		
3	ASSUMED WASTE GENERATION/BED/DAY (IN KG)	0.4		
4	HENCE ESTIMATED WASTE GENERATION		4000	
5	TOTAL INCINERABLE WASTE		3200	ASSUMING 80%
6	AUTOCLAVABLE WASTE		800	20%
7	ASH GENERATION POST INCINERATION		160	ASSUMING 5%

8	ALL AUTOCLAVABLE WASTE SHALL BE SHREDDED FURTHER BEFORE HANDING IT TO AUTHORIZED RECYCLER		
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4. Water calculation details:

S. No.	Requirement for	Water Consumption	Process Losses	Waste water generation	ETP losses	Recycled/ Reuse
A.	Process (Scrubbing)	2.40	1.40	1.00	0.20	0.80
B.	Steam Generation (Autoclaving)	0.20	0.05	0.15	0.05	0.10
C.	Miscellaneous i.e., Floor washing, Vehicle washing etc.	3.80	0.20	3.60	0.60	3.0
D.	Domestic Purpose	0.60	0.10	0.50	0.00	0.00
E.	Green Belt	4.0	4.0	0.00	0.00	0.00
Total (KL/Day)		11.0 7.10 (Fresh) + 3.90 (Recycle)	5.75	5.25	0.85	3.90
<ul style="list-style-type: none"> Waste water (4.75 KLD) is being generated from the Industrial Process will be subjected to Proposed ETP (Capacity- 10.0 KLD). Treated water from (3.90 KLD) will be reused in scrubber for cooling purpose and green belt purpose. The entire system shall be a zero discharge system in terms of wastewater discharge from the process as recirculated through ETP. Domestic Wastewater shall be treated in a soak pit/septic tank. 						

5. Hazardous waste details:

Sl. No.	Source	Quantity of hazardous waste Generated (Approx.)	Category according to Schedule I of hazardous waste	Treatment/ Disposal
1.	Spent Oil from DG set	5.0 MTPA	5.1	Handed over to authorized recyclers/re-processors
2.	Discarded Containers /Barrels	100 Nos./Annum	33.1	Handed over to authorized recyclers/re-processors
3.	Sludge from Wet Scrubbers	1.0 MTPA	37.1	Send to TSDF / Co processing industries.
4.	Ash from incinerator and flue gas cleaning residue	5.0 MTPA	37.2	Send to TSDF / Co processing industries.

6. The project proposal falls under category-7(da) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

The committee discussed the matter and recommended to issue terms of reference for the preparation of Environment Impact Assessment Report (EIA) regarding the project:

1. Land conversion documents should be provided at the time of EIA presentation.
2. The project proponent shall submit HCF's beds details and other bio-medical waste sources duly certified by concerning CMOs and other competent authority in the radial distance of 75 kms area of proposed CBWTF at the time of EIA presentation.
3. Project proponent shall submit the point wise clarification/ proposal for biomedical waste treatment and disposal with respect to revised guidelines for CBMWTF 2016 of CPCB.
4. The proposal should include storage/collection facility at proposed site for biomedical waste as per CBMWTF revised guidelines 2016 of CPCB.

5. Letters from CMO/UPPCB regarding feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site.
6. Common biomedical waste inventory should be provided.
7. The EIA report should address regarding the disposal of covid-19 waste as per the latest guidelines.
8. PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site with location and geo coordinates (along with map).
9. Project proponent submit the compliance of revised Guidelines for Common Bio-Medical Waste Treatment Facility, 2016 issued by CPCB.
10. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
11. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
12. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
13. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide EMP.
14. Land requirement for the facility including its break up for various purposes, its availability and optimization.
15. Details of proposed layout clearly demarcating various activities such as security. Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
16. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
17. Details of the treatment equipment's capacity and make. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc. Details on fuel requirement for incineration. Details on flue gas emissions discharge through stack and proposed pollution control technologies. Details on residue/ash generation and management. Details of waste heat utilization, if any. Details on wastewater management alongwith zero discharge plans as committed by the project proponent.
18. Details of the proposed overall safety and health protection measures and submit specific programme.
19. Details on source of water and power supply along with solar light provision.
20. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
21. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
22. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
23. Topography details.
24. Surface water quality of nearby water bodies.
25. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
26. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as

above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.

27. Action plan for the greenbelt development in accordance to CPCB published guidelines.
28. Details on pollution control technologies and online monitoring equipments.
29. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medical Waste (Management & Handling) Rules 1998.
30. Stack and fugitive emissions may be monitored for SPM, SO₂ & NOx as per Bio Medical Waste (Management & Handling) Rules 2016.
31. Details of Administrative and technical organizational structure.
32. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
33. Details of the emergency preparedness plan and on-site & off-site disaster management plan.
34. Affidavit to be submitted for the actual surveys done with detailed photographs of monitoring etc.
35. Examine the details of transportation of Hazardous wastes, and its safety in handling.
36. Examine and submit the details of on line pollutant monitoring.
37. Examine the details of monitoring of Dioxin and Furon.
38. MoU for disposal of ash through the TSDF.
39. MoU for disposal of scrubbing waste water through CETP.
40. Examine and submit details of monitoring of water quality around the landfill site.
41. Examine and submit details of the odour control measures.
42. Examine and submit details of impact on water body and mitigative measures during rainy season.
43. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
44. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
45. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
46. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
47. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the SEIAA.
48. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
49. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
50. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

The final EIA report after incorporation of public hearing observations/comments should be submitted to the committee for further consideration of the matter.

3. Common Bio-medical Waste Treatment Facility at Khasra No.-274 & 279, Village-Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services. File No. 6494/Proposal No. SIA/UP/MIS/ 66004/2021

The committee noted that the matter was earlier discussed in 577th SEAC meeting dated 05/10/2021 and directed the project proponent as follows:

“The committee noted that a compliant letter dated 02/10/2021 of Smt. Poonam Singh, Gram Pradhan, Gram Panchayat-Barwakalan, Tehsil-Nautanwa, District-Maharajganj and undated compliant letter from Medical Pollution Control Committee also received to Chairman, SEAC.

The committee discussed the matter and directed the Secretariat to send a letter to Member Secretary, UPPCB to provide a factual report regarding feasibility / requirement of Common Biomedical Waste Treatment Facility at the proposed site. “

The project proponent submitted their replies vide letter dated 25/11/2021. 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 Management Division of India Glycols 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 Common Bio-medical Waste Treatment Facility at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services.
2. Salient features of the project:

S. No	Parameter	Description
1.	Identification of project	The Proposed project of CBWTF falls under Category B-1, schedule 7(da) as per the EIA Notification 14th Sep, 2006 and subsequent amendments dated 1st December, 2009 & 17th April, 2015.
2.	Proposed Project	Environment Clearance for Proposed Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, Uttar Pradesh.
3.	Total area of the Plant	0.450 ha (1Acre)
4.	Capital Cost	Rs. 2.78 Crores
5.	Location	Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, Uttar Pradesh..
6.	Coordinates of the Site	Sr. No. Latitude Longitude 1 27°22'12"N 83°23'53"E 2 27°22'15"N 83°23'54"E
7.	Water Requirement/Source	
	Water Requirement (KLD)	Total – 11.00 KLD Fresh – 7.10 KLD Recycled – 3.90 KLD
	Source of water	Ground water Supply (Water will be abstracted only after getting NOC from CGWA)
8.	Water Break-up	Incineration Process : 2.40 KLD Steam Generation (Heat Exchanger) : 0.20 KLD

		Miscellaneous i.e. Floor & Vehicle washing etc. : 3.80 KLD Domestic Purpose : 0.60 KLD Green Belt : 4.00 KLD Total : 11.00 KLD
9	Waste Water Management Waste water generation Mode of Disposal	Proposed ETP (Capacity –10.0 KLD). Ind. Activities: 4.75 KLD, Domestic Purpose: 0.50 KLD. Treated water from proposed ETP will be reused for scrubbing and Green belt purpose.
10	Rain water harvesting (RWH)	01 Nos of Pit will be provided
11	Employment generation	Total – 20 Nos.
12	Power Supply/ Start up Power	Total – 40 KVA (Sources from UPPCL)
13	DG sets	Total – 35.0 KVA (01 No.)
14	Land form, Land use and land ownership	Private Land

3. Waste generation details:

S.NO	DESCRIPTION	ASSUMPTION	TOTAL WASTE (IN KG)	REMARKS
1	NO OF ROPOSED BEDS	10000		
2	WASTE GENERATION/BED/DAY	0.2 KG- 0.4 KG		
3	ASSUMED WASTE GENERATION/BED/DAY (IN KG)	0.4		
4	HENCE ESTIMATED WASTE GENERATION		4000	
5	TOTAL INCINERABLE WASTE		3200	ASSUMING 80%
6	AUTOCLAVABLE WASTE		800	20%
7	ASH GENERATION POST INCINERATION		160	ASSUMING 5%
8	ALL AUTOCLAVABLE WASTE SHALL BE SHREDDED FURTHER BEFORE HANDING IT TO AUTHORIZED RECYCLER			

4. Water requirement details:

S. No.	Requirement for	Water Consumption	Process Losses	Waste water generation	ETP losses	Recycled/ Reuse
A.	Process (Scrubbing)	2.40	1.40	1.00	0.20	0.80
B.	Steam Generation (Autoclaving)	0.20	0.05	0.15	0.05	0.10
C.	Miscellaneous i.e., Floor washing, Vehicle washing etc.	3.80	0.20	3.60	0.60	3.0
D.	Domestic Purpose	0.60	0.10	0.50	0.00	0.00
E.	Green Belt	4.0	4.0	0.00	0.00	0.00
Total (KL/Day)		11.0 7.10 (Fresh) + 3.90 (Recycle)	5.75	5.25	0.85	3.90

- Waste water (4.75 KLD) is being generated from the Industrial Process will be subjected to Proposed ETP (Capacity- 10.0 KLD). Treated water from (3.90 KLD) will be reused in scrubber for cooling purpose and

- green belt purpose.
- The entire system shall be a zero discharge system in terms of wastewater discharge from the process as recirculated through ETP.
- Domestic Wastewater shall be treated in a soak pit/septic tank.

5. Hazardous waste details:

Sl. No.	Source	Quantity of hazardous waste Generated (Approx.)	Category according to Schedule I of hazardous waste	Treatment/ Disposal
1.	Spent Oil from DG set	5.0 MTPA	5.1	Handed over to authorized recyclers/re-processors
2.	Discarded Containers /Barrels	100 Nos./Annum	33.1	Handed over to authorized recyclers/re-processors
3.	Sludge from Wet Scrubbers	1.0 MTPA	37.1	Send to TSDF / Co processing industries.
4.	Ash from incinerator and flue gas cleaning residue	5.0 MTPA	37.2	Send to TSDF / Co processing industries.

6. The project proposal falls under category-7(da) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

The committee discussed the matter and recommended to issue terms of reference for the preparation of Environment Impact Assessment Report (EIA) regarding the project:

1. Land conversion documents should be provided at the time of EIA presentation.
2. The project proponent shall submit HCF's beds details and other bio-medical waste sources duly certified by concerning CMOs and other competent authority in the radial distance of 75 kms area of proposed CBWTF at the time of EIA presentation.
3. Project proponent shall submit the point wise clarification/ proposal for biomedical waste treatment and disposal with respect to revised guidelines for CBMWTF 2016 of CPCB.
4. The proposal should include storage/collection facility at proposed site for biomedical waste as per CBMWTF revised guidelines 2016 of CPCB.
5. Letters from CMO/UPPCB regarding feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site.
6. Common biomedical waste inventory should be provided.
7. The EIA report should address regarding the disposal of covid-19 waste as per the latest guidelines.
8. PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site with location and geo coordinates (along with map).
9. Project proponent submit the compliance of revised Guidelines for Common Bio-Medical Waste Treatment Facility, 2016 issued by CPCB.
10. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
11. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
12. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
13. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide EMP.

14. Land requirement for the facility including its break up for various purposes, its availability and optimization.
15. Details of proposed layout clearly demarcating various activities such as security. Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
16. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
17. Details of the treatment equipment's capacity and make. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc. Details on fuel requirement for incineration. Details on flue gas emissions discharge through stack and proposed pollution control technologies. Details on residue/ash generation and management. Details of waste heat utilization, if any. Details on wastewater management alongwith zero discharge plans as committed by the project proponent.
18. Details of the proposed overall safety and health protection measures and submit specific programme.
19. Details on source of water and power supply along with solar light provision.
20. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
21. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
22. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
23. Topography details.
24. Surface water quality of nearby water bodies.
25. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
26. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.
27. Action plan for the greenbelt development in accordance to CPCB published guidelines.
28. Details on pollution control technologies and online monitoring equipments.
29. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medical Waste (Management & Handling) Rules 1998.
30. Stack and fugitive emissions may be monitored for SPM, SO₂ & NO_x as per Bio Medical Waste (Management & Handling) Rules 2016.
31. Details of Administrative and technical organizational structure.
32. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
33. Details of the emergency preparedness plan and on-site & off-site disaster management plan.
34. Affidavit to be submitted for the actual surveys done with detailed photographs of monitoring etc.
35. Examine the details of transportation of Hazardous wastes, and its safety in handling.
36. Examine and submit the details of on line pollutant monitoring.
37. Examine the details of monitoring of Dioxin and Furon.
38. MoU for disposal of ash through the TSDF.
39. MoU for disposal of scrubbing waste water through CETP.

40. Examine and submit details of monitoring of water quality around the landfill site.
41. Examine and submit details of the odour control measures.
42. Examine and submit details of impact on water body and mitigative measures during rainy season.
43. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
44. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
45. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
46. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
47. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the SEIAA.
48. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
49. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
50. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

The final EIA report after incorporation of public hearing observations/comments should be submitted to the committee for further consideration of the matter.

4. **Stone Mining at Gata No.-1097, Khand No.-02 at Village-Utivan, Tehsil & District-Mahoba, Shri Bhanu Gupta, Area-1.214 ha. File No. 6449/Proposal No. SIA/UP/MIN/61530/2021**

RESOLUTION AGAINST AGENDA NO-04

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 SEAC-2. The matter will be discussed only after submission of online request on prescribed online portal.

5. **Stone Mining at Arajai No.- 93/1, Khand No.- 05, Village-Lakhanpura, Tehsil & District- Lalitpur, U.P., Leased Area -2.024 ha. File No. 5038/Proposal No. SIA/UP/MIN/42626/2019**

RESOLUTION AGAINST AGENDA NO-05

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 SEAC-2. The matter will be discussed only after submission of online request on prescribed online portal.

6. Stone Mining at Araj No.-310, Khand No.03,Village-Dangariyarund, Tehsil- Sadar, Jhansi.,Shri Sagar Parecha, Area-2.0 ha. File No. 6111/Proposal No. SIA/UP/MIN/59628/2021

The committee noted that the matter was earlier discussed in 580th SEAC meeting dated 11/10/2021 and directed the project proponent to submit following information:

1. Source of drinking water along with MoU between project proponent and water supplier.
2. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location.
3. Plan for mobile toilet and safe disposal of municipal solid waste.
4. Detailed transportation plan along with its maintenance should be submitted.

The project proponent submitted their replies vide letter dated 12/11/2021. 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 Green Enviro Engineers 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 environmental clearance is sought for Building Stone(Khanda, Gitti, Boulders/Gitti, ballast) Mining at Araj/Gata no.-310, khand-03, Village-Dangariyarund, Tehsil-Sadar, District-Jhansi, U.P., (Leased Area-2.0 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 10/Parya/SEAC/6111/2019 dated 06/04/2021.
3. The public hearing was organized on 17/07/2021. Final EIA report submitted by the project proponent on 08/11/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SEIAA/UP/MIN/59628/2021												
2.	File No. allotted by SEIAA, UP	6111												
3.	Name of Proponent	Shri Sagar Parecha S/o Shri Rajkumar Parecha												
4.	Full correspondence address of proponent and mobile no.	Shri Sagar Parecha R/o 1533/1, Jankipuram, Civil lines, Tehsil & District- Jhansi. Mobile no.- 7755003667 E-mail Id- sagarparecha5418@gmail.com												
5.	Name of Project	Building Stone(Khanda, Gitti, Boulders/Gitti, ballast)) Mining												
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. -310, khand-03, Village -Dangariyarund, Tehsil-Sadar, District-Jhansi, Uttar Pradesh												
7.	Name of River	NA												
8.	Name of Village	Dangariyarun												
9.	Tehsil	Sadar												
10.	District	Jhansi												
11.	Name of Minor Mineral	Building Stone(Khanda, Gitti, Boulders/Gitti, ballast)) Mining												
12.	Sanctioned Lease Area (in Ha.)	2.0 ha.												
13.	Max. & Min mRL within lease area	Highest mRL is 272 & Lowest Is 265mRL												
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 21'34.20"N</td><td>78°31'28.14"E</td></tr> <tr> <td>B</td><td>25° 21'40.48"N</td><td>78°31'31.27"E</td></tr> <tr> <td>C</td><td>25° 21'37.48"N</td><td>78°31'34.32"E</td></tr> </tbody> </table>	Pillar No	N	E	A	25° 21'34.20"N	78°31'28.14"E	B	25° 21'40.48"N	78°31'31.27"E	C	25° 21'37.48"N	78°31'34.32"E
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C	25° 21'37.48"N	78°31'34.32"E												

		D	25° 21'32.59"N	78°31'30.49"E	
15.	Total Geological Reserves	437286 m ³			
16.	Total Mineable Reserve (as per Approve Mine Plan)	322674 m ³			
17.	Total Proposed Production	60000 m ³ /year			
18.	Proposed Production /year	60000 m ³ /year			
19.	Sanctioned Period of Mine lease	20 years			
20.	Production of mine/day	222 m ³ /day			
21.	Method of Mining	Opencast, Semi-Mechanized			
22.	No. of working days	270			
23.	Working hours/day	8			
24.	No. of worker	38			
25.	No. of vehicles movement/day	25 trips per day			
26.	Type of Land	Revenue land			
27.	Ultimate of Depth of Mining	24m			
28.	Nearest metalled road from site	0.8 km			
29.	Water Requirement	PURPOSE			REQUIREMENT (KLD)
		Drinking			1.14 KLD
		Suppression of dust			3.2 KLD
		Plantation			0.5 KLD
		Others (if any)			-
		Total			4.84 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Green Enviro Engineers Pvt. Ltd. VALID TILL 20/09/2024			
31.	Any litigation pending against the project or land in any court	No			
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 17365/30 mmc/2020-21) on dated 18/12/2020			
33.	Details of Lease Area in approved DSR	2.0 ha./			
34.	Proposed CER cost	3.2 lakhs			
35.	Proposed EMP cost	Total project cost-Rs 1.6 crore			
36.	Length and breadth of Haul Road	0.8 km & 6m			
37.	No. of Trees to be Planted	150			

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 06

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.

4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation. The project proponent should explore the possibilities of rainwater harvesting.

7. River Bed Sand Mining at Gata No.-01 Kha, 277, Khand No.-02, Village-Teharka, Tehsil-Garautha, Jhansi., M/s Shiv Corporation (India) Ltd., Area: 13.0 ha. File No. 5671/Proposal No. SIA/UP/MIN/53372/2020

The committee noted that the letter of intent of the above mining lease was issued by District Magistrate, Jhansi vide letter dated 17/02/2020 and the baseline monitoring data submitted by the consultant for the period October to December, 2019 which is not acceptable.

The committee also noted that the project proponent /consultant informed that they are in process of collecting fresh baseline monitoring data for a period of October to December, 2021. The committee discussed the matter and directed the project proponent to submit a fresh baseline monitoring data for the period of (October to December, 2021) and conduct the public hearing as per procedure laid down in EIA Notification, 2006 (as amended).

8. Sand/Morrum from Yamuna river bed at Gata No.-38, 40, 41, and 42, Khand No.-07, Village-Dadaukhadar, Tehsil-Baberu, Banda., M/s Sri Falgun Giri Mines Area- 12.0 ha. File No. 4789/Proposal No. SIA/UP/MIN/35378/2019

The committee noted that the matter was earlier discussed in 580th SEAC meeting dated 11/10/2021 and directed the project proponent to submit following information:

1. Project proponent should submit exhaustive mitigation plan.
2. Source of drinking water along with MoU between project proponent and water supplier.
3. Plan for mobile toilet and safe disposal of municipal solid waste.

The project proponent submitted their replies vide letter dated 20/11/2021. 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 Paramarsh (Servicing Environment & Development). 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 Sand/Morrum from river bed of Yamuna at Zone No/Gata No/Khand No. 38, 40, part of 41 & part of 42 (Khand No. 7) at Village – Dadaukhadar, Tehsil- Baberu, District- Banda, Uttar Pradesh, (Leased Area-12.0 ha.), M/s Sri Falgun Giri Mines.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter No. 199/Parya/SEAC/4789/2019, Dated 31 July 2019.
3. The public hearing was organized on 04/03/2021 at Primary School Dadaukhadar, Tehsil- Baberu, District- Banda, U.P. Final EIA report submitted by the project proponent on 24/12/2020.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/35378/2019																																							
2.	File No. allotted by SEIAA, UP	4789																																							
3.	Name of Proponent	Shri Alok Kumar Shukla																																							
4.	Full correspondence address of proponent and mobile no.	Shri Alok Kumar Shukla S/o Shri Gopal Chandra Shukla R/o: Kishanupar Khaga, District – Fatehpur, Uttar Pradesh. Mobile no. – 7007972529 E mail ID - akssbnda@gmail.com																																							
5.	Name of Project	Environmental Clearance of mining lease for extraction of Sand/Morrum from river bed of Yamuna, at Zone No/Gata No/Khand No. 38, 40, part of 41 & part of 42 (Khand No. 7) Area-12.0 ha. (29.64 Acres) at Village – Dadaukhadar, Tehsil- Baberu, District- Banda, Uttar Pradesh of M/s Sri Falgun Giri Mines.																																							
6.	Project Location (Khasra/Gata No.)	Gata No/Khand No. 38, 40, part of 41 & part of 42 (Khand No. 7)																																							
7.	Name of River	Yamuna River																																							
8.	Name of Village	Village – Dadaukhadar, Tehsil- Baberu, District- Banda, Uttar Pradesh																																							
9.	Tehsil	Baberu																																							
10.	District	Banda																																							
11.	Name of Minor Mineral	River Bed sand/morrum mining																																							
12.	Sanctioned Lease Area (in Ha.)	12.00 ha																																							
13.	Max. & Min mRL within lease area	The highest level is 85.90 mRL The lowest level is 83.0 mRL																																							
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude N</th><th>Longitude E</th></tr> </thead> <tbody> <tr> <td align="center" colspan="3">Total Area</td></tr> <tr> <td align="center">A</td><td align="center">25° 37' 39.20"</td><td align="center">81° 01' 16.70"</td></tr> <tr> <td align="center">B</td><td align="center">25° 37' 56.05"</td><td align="center">81° 01' 17.10"</td></tr> <tr> <td align="center">C</td><td align="center">25° 37' 56.82"</td><td align="center">81° 01' 28.16"</td></tr> <tr> <td align="center">D</td><td align="center">25° 37' 37.76"</td><td align="center">81° 01' 20.94"</td></tr> <tr> <td align="center">E</td><td align="center">25° 37' 38.03"</td><td align="center">81° 01' 19.51"</td></tr> <tr> <td align="center">F</td><td align="center">25° 37' 38.59"</td><td align="center">81° 01' 19.62"</td></tr> <tr> <td align="center" colspan="3">Submerge Area</td></tr> <tr> <td align="center">G</td><td align="center">25° 37' 51.55"</td><td align="center">81° 01' 16.96"</td></tr> <tr> <td align="center">B</td><td align="center">25° 37' 56.05"</td><td align="center">81° 01' 17.10"</td></tr> <tr> <td align="center">C</td><td align="center">25° 37' 56.82"</td><td align="center">81° 01' 28.16"</td></tr> <tr> <td align="center">H</td><td align="center">25° 37' 52.73"</td><td align="center">81° 01' 26.55"</td></tr> </tbody> </table>	Point	Latitude N	Longitude E	Total Area			A	25° 37' 39.20"	81° 01' 16.70"	B	25° 37' 56.05"	81° 01' 17.10"	C	25° 37' 56.82"	81° 01' 28.16"	D	25° 37' 37.76"	81° 01' 20.94"	E	25° 37' 38.03"	81° 01' 19.51"	F	25° 37' 38.59"	81° 01' 19.62"	Submerge Area			G	25° 37' 51.55"	81° 01' 16.96"	B	25° 37' 56.05"	81° 01' 17.10"	C	25° 37' 56.82"	81° 01' 28.16"	H	25° 37' 52.73"	81° 01' 26.55"
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		Workable Area		
		A	25° 37' 39.20"	81° 01' 16.70"
		G	25° 37' 51.55"	81° 01' 16.96"
		H	25° 37' 52.73"	81° 01' 26.55"
		D	25° 37' 37.76"	81° 01' 20.94"
		E	25° 37' 38.03"	81° 01' 19.51"
		F	25° 37' 38.59"	81° 01' 19.62"
15.	Total Geological Reserves	2,09,179m ³		
16.	Total Mineable Reserve	1,20,000m ³		
17.	Total Proposed Production	6,00,000 m ³ (5 Year)		
18.	Proposed Production /year (as per LoI)	1,20,000 m ³		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	480 m ³		
21.	Method of Mining	Opencast semi-mechanized		
22.	No. of working days	250		
23.	Working hours/day	8 hrs		
24.	No. of worker	53		
25.	No. of vehicles movement/day	40		
26.	Type of Land	Govt./Non Forest Land		
27.	Ultimate of Depth of Mining	3.0 m (For Mining Plan Period)		
28.	Nearest metalled road from site	0.480 km		
29.	Water Requirement	PURPOSE		
		Drinking	- 0.53 KLD	
		Suppression of dust	- 5.76 KLD	
		Plantation	- 0.25 KLD	
		Others (if any)	- 0.00 KLD	
		Total	- 6.54 KLD	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120, Valid till – 13 January 2022		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No-844/Khanan/2018-19 dated 10.06.2019		
33.	Details of Lease Area in approved DSR	Page No- 02 Table No- 41		
34.	Project Cost	Project cost – 63.5 lacs/annum		
35.	Proposed CER cost	CER – 1.27 lacs (2% of Total Cost)		
36.	Proposed EMP cost	7.76		
37.	Length and breadth of Haul Road	Length – 480 km, Breadth – 6.00 m		
38.	No. of Trees to be Planted	252		

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 08

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to the minutes. The committee also stipulated the following specific conditions:

1. Proponent shall submit consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should opt latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. 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.

9. Stone Mining at Khand No.-13, Gata No.-27, Village- Dunara, Sadar, Jhansi, Shri Mukul Yadav., Area-2.023 ha. File No. 6027/Proposal No. SIA/UP/MIN/ 58462/2020

The committee noted that the matter was earlier discussed in 581st SEAC meeting dated 12/10/2021 and directed the project proponent to submit following information:

1. Monitoring site photographs alongwith data and time.
2. Proposed transportation route also used by other lease holder. Detailed transportation plan along with its maintenance plan should be submitted.
3. Detailed plan regarding compliance of conditions no. 6 stipulated in mining plan approval letter issued by Mining Department.
4. Source of drinking water along with MoU between project proponent and water supplier.
5. Plan for mobile toilet and safe disposal of municipal solid waste.

The project proponent submitted their replies vide letter dated 22/11/2021. 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 environmental clearance is sought for Stone Mining at Khand No.-13, Gata No.-27, Village- Dunara, Sadar, Jhansi, U.P. (Leased Area-2.023 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter No. 711/Parya/SEAC/6027/2019, dated 15/01/2021.
3. The public hearing was organized on 17/07/2021 Final EIA report submitted by the project proponent on 16/08/2021.
4. Salient features of the project as submitted by the project proponent:

2. On-line proposal No.	SIA/UP/MIN/58462/2020
3. File no. allotted by SEIAA, UP	6027
4. Name of Proponent	Shri Mukul Yadav S/o Shri Deendayal Yadav
5. Full correspondence address of proponent and mobile no.	516 Shivaji Nagar Kanpur Road, Tehsil & District: Jhansi, U.P.
6. Name of Project	“KHANDAS, GITTI, BOULDER” BUILDING STONE
7. Project location (Plot/Khasra/Gata No.)	Khand No. 13, Gata No. 27 of Area: 2.023 Ha, Village: Dunara, Tehsil: Sadar, District: Jhansi, State: Uttar Pradesh.
8. Name of Minor Mineral	Building Stone
9. Schedule (as per EIA notification 2006)	1(a)
10. Category of Project	B(1)
11. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.023 Ha
12. Project Status	State Govt. has given its consent vide letter no. 1135/30MMC/2020-2021, Dated 15/10/2020 for the exploitation of “Khandas, Gitti, Boulder”

	Building Stone for a period of twenty years having production capacity 60,690 m ³ /annum.			
13. Max. & Min mRL within lease area	Highest: 227.10mRL & Lowest: 213.20mRL			
14. Total Geological Reserves	5,06,749 m ³			
15. Total Mineable Reserves (in approved mining plan)	3,33,456 m ³			
16. Proposed Production/year	60,690 m ³ per annum			
17. Sanctioned Period of Mine lease	Twenty years			
18. Production of mine/day	233 m ³ /day			
19. No. of Working days	260 Days			
20. Working hours/day	8 hours/day			
21. No. of Workers	35			
22. No. of vehicles movement/day	23 Units (Assumed Loading Capacity: 10 m ³ /Unit)			
23. Type of Land	State Government Land			
24. Nearest metalled road from site	Metalled Road 455 m, (near Dunara)			
25. Water Requirement	Source	Purpose	Detail	Avg.Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	35 workers x 15 lpcd = 525 lit/day	0.525 KLD
	Surface Water	Land reclamation/plantation @5 Lit/Tree	205 Trees x 5 lpcd = 1025 Lit/day	1.02 KLD
		Mine operation /others		1.0 KLD
		Dust suppression twice in a day (Haulage Road Area) @1 Lit/Sq.m	Haul Road Area = (762m Length x 6 m Width = 4572m ²) x 1 lit/sq.m = 4572 lit x 2 (twice in a day) = 9144 lit/day	9.14 KLD
	Total			11.68 (12 KLD)
26. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till 29/12/2021			
27. Any litigation pending against the project or hand in any court	No			
28. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 1316/30MMC/(2020-21) दिनांक -29/10/2020			
29. Total Cost of Project	Rs. 89.18 Lakhs			
30. Proposed CER Cost	Rs.4.46 Lakhs (2% of the total Project Cost)			
31. Proposed EMP Cost	Rs. 28.79 Lakhs			
32. Length and breadth of Haul Road	Haulage Road Length 762 m & Haulage Road Width 6 m			
33. No. of Trees to be Planted	205 Trees			

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 09

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
The project proponent should explore the possibilities of rainwater harvesting.

10. Sand/Morrum Mining Betwa River bed at Gata No.-64 Khand No.-01, Village-Kalyanpura, Tehsil-Tahrauli, Jhansi., Shri Veerendra Singh Rajput, Area-4.0 Ha. File No. 6367/Proposal No. SIA/UP/MIN/ 215780/2021

The committee noted that the matter was earlier discussed in 566th SEAC meeting dated 02/09/2021 and the project proponent did not appear in the meeting. The project proponent vide letter dated 22/11/2021 has requested to list the matter in next SEAC meeting.

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 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 Sand/Morrum Mining Betwa River bed at Gata No.-64 Khand No.-01, Village-Kalyanpura, Tehsil-Tahrauli, Jhansi, U.P., (Leased Area-4.0 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/215780/2021		
2.	File No. allotted by SEIAA, UP	6367		
3.	Name of Proponent	Prop. Shri Veerendra Singh Rajput		
4.	Full correspondence address of proponent and mobile No.	Registered Address: Ward No. 02, Ganesh Colony, Near Bus, Bareilly, Tehsil- Bareilly, District- Raisen, Madhya Pradesh		
		Mobile No-		
		Email-		
5.	Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River		
6.	Project location (Plot/Khasra/Gata No.)	Gata No: 64 (Khand 01)		
7.	Name of River	Betwa		
8.	Name of Village	Kalyanpura		
9.	Tehsil	Tahrauli		
10.	District	Jhansi		
11.	Name of Minor Mineral	Sand/Morrum		
12.	Sanctioned Lease Area (in Ha.)	4.0		
13.	Max & Min mRL within lease area	Max- 159 mRL and Min- 158.44 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25°36'38.80"N	78°56'19.20"E
		B	25°36'41.80"N	78°56'16.30"E
		C	25°36'49.90"N	78°56'24.40"E
		D	25°36'46.70"N	78°56'27.50"E
15.	Total Geological Reserves	34,965 cum		
16.	Total Mineable Reserves in LOI	20,000 cum/year		
17.	Total Proposed Production	20,000 cum/year		
18.	Proposed Production/year	20,000 cum		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	76.92		
21.	Method of Mining	Open Cast Semi-mechanized Method		
22.	No. of working days	260 days		
23.	Working hours/day	8 hrs		
24.	No. of workers	52		
25.	No. of vehicles movement/day	6		
26.	Type of Land	Government waste land		
27.	Ultimate Depth of Mining	0.56		
28.	Nearest metalled road from site	1.0 km		
29.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.52
		Suppression of dust		4.8
		Plantation		0.2
		Others (if any)		-
		Total		5.52
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
31.	Any litigation pending against the project or land in any court	No		
32.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes given by Mining officer		
33.	Details of Lease Area in approved DSR	Yes area is in DSR		

34. Proposed CER cost	Rs 1,62,000 /-
35. Proposed EMP cost	Rs 4,50,500 /-
36. Length and breadth of Haul Road	Length: 0.40 km, width: 6 m
37. No. of Trees to be Planted	100 plants

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. 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 the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to the minutes. The committee also stipulated the following specific conditions:

1. Proponent shall submit consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should opt for the latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. 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.

11. Stone Mining at Gata No.-479, 480, Khand No.-01, Village-Kanja, Tehsil-Mauranipur, Jhansi, Shri Pawan Kumar Seth., Area-2.023 ha. File No. 6434/Proposal No. SIA/UP/MIN/217970/2021

The committee noted that the matter was earlier discussed in 576th SEAC meeting dated 04/10/2021 and directed the project proponent to submit following information:

1. Source of drinking water along with MoU between project proponent and water supplier.
2. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location along with khasra number details.
3. Plan for mobile toilet and safe disposal of municipal solid waste.

The project proponent submitted their replies vide letter dated 22/11/2021. 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 environmental clearance is sought for Stone Mining at Gata No.-479, 480, Khand No.-01, Village-Kanja, Tehsil-Mauranipur, Jhansi, U.P. (Leased Area-2.023 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Agenda 610th of SEAC-2 Meeting Dated- 22-12-2021, Sr. No. 11
2. On-line proposal No.	SIA/UP/MIN/217970/2021
3. File no. allotted by SEIAA, UP	6434
4. Name of Proponent	Shri Pawan Kumar Seth S/o Shri Bhagwat Prasad
5. Full correspondence address of	Damele Chowk, Mauranipur, District-Jhansi (U.P.)

proponent and mobile no.					
6. Name of Project	“KHANDAS, GITTI, BOULDER” BUILDING STONE				
7. Project location (Plot/Khasra/Gata No.)	Khand No. 01, Gata No. 479, 480, Area- 2.023 Ha, Village-Kanja, Tehsil- Mauranipur, District- Jhansi, State- Uttar Pradesh.				
8. Name of Minor Mineral	Building Stone				
9. Schedule (as per EIA notification 2006)	1(a)i				
10. Category of Project	B (2)				
11. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.023 Ha				
12. Project Status	State Govt. has given its consent vide letter no. 692/30MMC/2019-2020, Dated 28/07/2020 for the exploitation of “Khandas, Gitti, Boulder” Building Stone for a period of twenty years having production capacity 20,230 m3/annum.				
13. Max. & Min mRL within lease area	Highest: 256.10 mRL & Lowest: 239.20 mRL				
14. Pillar Coordinates (Verified by DMO)	Pillars	Latitude(N)			Longitude(E)
	A	25°12'35.77"N			79°07'07.71"E
	B	25°12'36.06"N			78°07'14.35"E
	C	25°12'32.48"N			78°07'14.60"E
	D	25°12'32.09"N			78°07'07.96"E
15. Total Geological Reserves	5,54,324 m3				
16. Total Mineable Reserves (in approved mining plan)	2,63,880 m3				
17. Proposed Production/year	20,230 m3 per annum				
18. Sanctioned Period of Mine lease	Twenty years				
19. Production of mine/day	79 m3/day				
20. No. of Working days	260 Days				
21. Working hours/day	8 hours/day				
22. No. of Workers	27				
23. No. of vehicles movement/day	11 Units (Assumed Loading Capacity: 20 m ³ /Unit)				
24. Type of Land	State Government Land				
25. Nearest metalled road from site	Kurecha Gaon, 100 m, North				
26. Water Requirement	Source	Transportation	Purpose	Detail	Avg. Demand /Day (in KLD)
	Ground water from nearby Village	Water tanker	Drinking@15lpcd/worker	27 workers x 15 lpcd = 405 lit/day	0.405 KLD
	Nearby Water Body/ Treated Water		Plantation @2 Lit/Tree	400Trees x2lit.) = 800 Lit/day	0.800 KLD
			Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (105 m Length x 7m Width = 735 m2) x 1 lit/sq.m = 735 lit x 2 (twice in a day) = 1470	1.47 KLD

			lit/day	
	Total			2.675 KLD
27. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till September 29/2021			
28. Any litigation pending against the project or hand in any court	No			
29. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 1078/30MMC/(2020-21) दिनांक -09/10/2020			
30. Total Cost of Project	Rs. 89.15 Lakhs			
31. Proposed CER Cost	Rs. 4.46 Lakhs (5% of the total Project Cost)			
32. Proposed EMP Cost	Rs. 14.28 Lakhs			
33. Length and breadth of Approach Road	Approach Road Length 105 m & Haulage Road Width 7 m			
34. No. of Trees to be Planted	400 Trees			

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 11

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if

applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.

9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
The project proponent should explore the possibilities of rainwater harvesting.

12. Stone Mining at Gata No.-669, Khand No.-03, Village- Khailar, Tehsil-Sadar, Jhansi., Shri Pramod Kumar Gupta., Area-2.023 ha. File No. 6454/Proposal No. SIA/UP/MIN/220612/2021

The committee noted that the matter was earlier discussed in 576th SEAC meeting dated 04/10/2021 and directed the project proponent to submit following information:

1. Revised CER Plan along with consent of proposed institution.
2. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with Forest Department should be submitted.
3. Plan for mobile toilet and safe disposal of municipal solid waste.

The project proponent submitted their replies vide letter dated 22/11/2021. 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 environmental clearance is sought for Stone Mining at Gata No.-669, Khand No.-03, Village- Khailar, Tehsil-Sadar, Jhansi, U.P. (Leased Area-2.023 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Agenda 610th of SEAC-2 Meeting Dated- 22-12-2021, Sr. No. 12		
2. On-line proposal No.	SIA/UP/MIN/220612/2021		
3. File no. allotted by SEIAA, UP	6454		
4. Name of Proponent	Shri Pramod Kumar Gupta S/o Shri Ram Narayan Gupta		
5. Full correspondence address of proponent and mobile no.	1215, Civil Line, Shakti Nagar, BKD & Tehsil - Jhansi, District-Jhansi (U.P.).		
6. Name of Project	“KHANDAS, GITTI, BOULDER” BUILDING STONE		
7. Project location (Plot/Khasra/Gata No.)	Khand No. 03, Gata No. 669, Area- 2.023 Ha, Village-Khailar, Tehsil- Sadar, District- Jhansi, State- Uttar Pradesh.		
8. Name of Minor Mineral	Building Stone		
9. Schedule (as per EIA notification 2006)	1(a)i		
10. Category of Project	B (2)		
11. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.023 Ha		
12. Project Status	New Mine, District Magistrate has given consent vide letter No. 895/30 एम. एम. सी./ 2020-21, Dated 02/09/2020, Mining Lease area granted for maximum 20 years. production capacity 50,575 m3/annum.		
13. Max. & Min mRL within lease area	Highest: 275.30 mRL & Lowest: 270.10 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillars	Latitude(N)	Longitude(E)
	A	25°20'53.46"N	78°30'53.11"E
	B	25°20'53.72"N	78°30'59.21"E

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	C	25°20'57.44"N	78°30'58.79"E		
	D	25°20'57.31"N	78°30'52.61"E		
15. Total Geological Reserves	7,70,041 m ³				
16. Total Mineable Reserves (in approved mining plan)	3,37,137 m ³				
17. Proposed Production/year	50,575 m3 per annum				
18. Sanctioned Period of Mine lease	Twenty years				
19. Production of mine/day	168.58 m3/day				
20. No. of Working days	300 Days				
21. Working hours/day	8 hours/day				
22. No. of Workers	38				
23. No. of vehicles movement/day	23 Units (Assumed Loading Capacity: 20 m ³ /Unit)				
24. Type of Land	State Government Land				
25. Nearest metalled road from site	MDR, 160 m, NW				
26. Water Requirement	Source	Transpor tation	Purpose	Detail	Avg. Demand /Day(in KLD)
	Ground water from nearby Village	Water tanker	Drinking@15 lpcd/worker	38 workers x 15lpcd = 570lit/day	0.570KLD
	Nearby Water Body/ Treated Water		Plantation @2 Lit/Tree	400Trees x2lit.) = 800 Lit/day	0.800 KLD
			Dust suppression @1 Lit/Sq.m (Twice in a day)	Haul Road Area = (160m Length x 7m Width = 1120m) x 1 lit/sq.m = 1120 lit x 2 = 2240 lit/day	2.24 KLD
	Total				3.61 KLD
27. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till September 29/2021				
28. Any litigation pending against the project or hand in any court	No				
29. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi. Letter No. 1045/30 MMC/2020-21 दिनांक – 17/09/2020				
30. Total Cost of Project	Rs. 157.95 Lakhs				
31. Proposed CER Cost	Rs. 3.20 Lakhs (2% of the total Project Cost)				
32. Proposed EMP Cost	Rs. 13.80 Lakhs				
33. Length and width of Approach Road	Approach Road Length 160 m & Width 7 m				
34. No. of Trees to be Planted	400 Trees				

- The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
- The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the 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. 12

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-2 to the minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation. The project proponent should explore the possibilities of rainwater harvesting.

13. Sand/Morrum Mining from Betwa Riverbed at Gata No.-1782 & 1783, Khand No.-01, Village-Mohan, Tehsil-Orai, District-Jalaun, U.P., (Lease Area: 14.574 ha). File No. 6268/Proposal No. SIA/UP/MIN/62230/2020

The committee noted that the matter was earlier discussed in 598th SEAC meeting dated 30/11/2021 and the project proponent did not appear in the meeting. The project proponent vide letter dated 25/11/2021 has requested to list the matter in next SEAC meeting.

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 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 Sand/Morrum Mining from Betwa Riverbed at Gata No.-1782 & 1783, Khand No.-01, Village-Mohan, Tehsil-Orai, District-Jalaun, U.P., (Lease Area: 14.574 ha).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no Ref No 611/parya/SEAC/5931/2019 dated 07/01/ 2021.
3. The public hearing was organized on 01/03/2021. Final EIA report submitted by the project proponent on 03/04/2021
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 62230/2020																																																						
2.	File No. allotted by SEIAA, UP	6268/ 5923																																																						
3.	Name of Proponent	Shri Priyesh Gangele,M/s Kamtanath Enterprises Pvt. Ltd																																																						
4.	Full correspondence address of proponent and mobile No.	02 Bhawani Nagar Amit Motors Bhopal M.P																																																						
		Mobile No-																																																						
		Email-																																																						
5.	Name of Project	Proposed Mohana riverbed Sand/Morrum mining project from Betwa River By Shri Priyesh Gangele,M/s Kamtanath Enterprises Pvt. Ltd																																																						
6.	Project location (Plot/Khasra/Gata No.)	Gata No 1782 & 1783, Khand No. 01																																																						
7.	Name of River	Betwa																																																						
8.	Name of Village	Mohana																																																						
9.	Tehsil	Orai																																																						
10.	District	JALAUN																																																						
11.	Name of Minor Mineral	Sand																																																						
12.	Sanctioned Lease Area (in Ha.)	14.574 Ha																																																						
13.	Max & Min mRL within lease area	Max- 118 mRL and Min- 115 mRL																																																						
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th align="center" colspan="3">Sanctioned Mining Lease Area</th></tr> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>25°47'50.39"N</td><td>79°27'35.08"E</td></tr> <tr> <td>B</td><td>25°47'47.11"N</td><td>79°27'49.33"E</td></tr> <tr> <td>C</td><td>25°48'3.73"N</td><td>79°27'48.09"E</td></tr> <tr> <td>D</td><td>25°48'2.94"N</td><td>79°27'39.31"E</td></tr> <tr> <th align="center" colspan="3">Workable Area</th></tr> <tr> <td>A</td><td>25°47'50.39"N</td><td>79°27'35.08"E</td></tr> <tr> <td>D</td><td>25°48'2.94"N</td><td>79°27'39.31"E</td></tr> <tr> <td>G</td><td>25°48'3.51"N</td><td>79°27'45.75"E</td></tr> <tr> <td>F</td><td>25°47'50.27"N</td><td>79°27'48.07"E</td></tr> <tr> <td>E</td><td>25°47'47.47"N</td><td>79°27'47.79"E</td></tr> <tr> <th align="center" colspan="3">Non-Workable Area</th></tr> <tr> <td>C</td><td>25°48'3.73"N</td><td>79°27'48.09"E</td></tr> <tr> <td>B</td><td>25°47'47.11"N</td><td>79°27'49.33"E</td></tr> <tr> <td>E</td><td>25°47'47.47"N</td><td>79°27'47.79"E</td></tr> <tr> <td>F</td><td>25°47'50.27"N</td><td>79°27'48.07"E</td></tr> <tr> <td>G</td><td>25°48'3.51"N</td><td>79°27'45.75"E</td></tr> </tbody> </table>	Sanctioned Mining Lease Area			Pillar No.	Latitude	Longitude	A	25°47'50.39"N	79°27'35.08"E	B	25°47'47.11"N	79°27'49.33"E	C	25°48'3.73"N	79°27'48.09"E	D	25°48'2.94"N	79°27'39.31"E	Workable Area			A	25°47'50.39"N	79°27'35.08"E	D	25°48'2.94"N	79°27'39.31"E	G	25°48'3.51"N	79°27'45.75"E	F	25°47'50.27"N	79°27'48.07"E	E	25°47'47.47"N	79°27'47.79"E	Non-Workable Area			C	25°48'3.73"N	79°27'48.09"E	B	25°47'47.11"N	79°27'49.33"E	E	25°47'47.47"N	79°27'47.79"E	F	25°47'50.27"N	79°27'48.07"E	G	25°48'3.51"N	79°27'45.75"E
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15.	Total Geological Reserves	2,41,690cum																																																						
16.	Total Mineable Reserves in LOI	1,45,740cum																																																						
17.	Total Proposed Production in 5 year	1,45,740cum																																																						
18.	Proposed Production/year	1,45,740cum																																																						
19.	Sanctioned Period of Mine lease	5 years																																																						

20. Production of mine/day	560.54	
21. Method of Mining	Open Cast Semi-mechanized Method	
22. No. of working days	260 days	
23. Working hours/day	8 hrs	
24. No. of workers	54	
25. No. of vehicles movement/day	42	
26. Type of Land	Government waste land	
27. Ultimate Depth of Mining	0.87	
28. Nearest metalled road from site	650 m	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.53
	Suppression of dust	7.8
	Plantation	0.75
	Total	9.51
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022	
31. Any litigation pending against the project or land in any court	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
33. Details of Lease Area in approved DSR	Yes, given in the DSR	
34. Proposed EMP cost including CER Cost	CER Cost-Rs.1.0 Lac Recurring Cost-4.54Lac/year	
35. No. of Trees to be Planted	375 plants	

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 13

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-3 to the minutes. The committee also stipulated the following specific conditions:

1. Proponent shall submit consent of competent authority/ landowner for haulage road from lease site to link road.
2. Proponent should opt for the latest technology for water spraying (sprinklers) for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement.
3. 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.

14. Discussion on undated complaint letter of Shri Satvendra Kumar Yadav

A complaint letter of Shri Satyendra Kumar Yadav undated & without signature and address was discussed in the meeting. SEAC opined that the complaint without signature, address, email, mobile no. etc. should not be entertained as per Govt. rules.

Nodal, SEAC-2

(Prof. Jaswant Singh)
Member, SEAC-2

(Dr. Amrit Lal Haldar)
Member, SEAC-2

(Dr. Dineshwar Prasad Singh)
Member, SEAC-2

(Tanzar Ullah Khan)
Member, SEAC-2

(Dr. Shiv Om Singh)
Member, SEAC-2

(Dr. Harikesh Bahadur Singh)
Chairman, SEAC-2

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.

Annexure-2

General and Specific Conditions for Gitti, Patthar& Boulder Mining Projects: -

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

B. Specific Conditions:

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process

will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.

10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area, roads and green belt development etc.
18. Status of implementation shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained.

The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.

24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.

35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done only after getting permission from the Mining Department.

General and Specific Conditions for Sand/Morum Mining Proposals

General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any change in mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours' time.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that mining operation of Sand/Moram will not in any way disturb the, velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB and SEIAA within 02 months.
15. Primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB and SEIAA within six months.
16. Hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB and SEIAA and this activity should be completed before the start of sand mining.
18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.

37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. 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. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Integrated Regional Office, MoEF&CC, GoI, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the mining lease period.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.

31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkhapouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of

the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.

48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.