

Minutes of 807th SEAC-2 Meeting Dated 08/11/2023

The 807th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 08/11/2023. Following members participated in the meeting:

- | | | |
|----|-----------------------------|-----------------------------|
| 1. | Dr. Harikesh Bahadur Singh, | Chairman, SEAC-2 |
| 2. | Dr. Amrit Lal Halder, | Member, SEAC-2 |
| 3. | Dr. Dineshwar Prasad Singh, | Member, SEAC-2 (through VC) |
| 4. | Shri Tansar Ullah Khan, | Member, SEAC-2 |
| 5. | Prof. Jaswant Singh, | Member, SEAC-2 (through VC) |
| 6. | Dr. Shiv Om Singh, | Member, SEAC-2 |
| 7. | Shri Ashish Tiwari, | Member Secretary, SEAC-2 |

The Chairman welcomed the members to the 807th 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, Directorate of Environment.

1. River Bed Sand/ Morrum Mining from Betwa River at Arai No.- 420, 421, 422, 423 & 426, Village: Erach, Tehsil: Garautha, District: Jhansi, Shri Hari Shankar, Area: 2.386 Ha, 8366/SIA/UP/MIN/448997/2023

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 Sand/ Morrum Mining from Betwa River at Arai No. 420, 421, 422, 423 & 426, Village: Erach, Tehsil: Garautha, District: Jhansi, State: Uttar Pradesh (Leased Area 2.386 Ha),.
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/448997/2023	
2.	File no. allotted by SEIAA,UP	8366	
3.	Name of Proponent	M/s. Rashi Enterprises Prop.-Shri. Hari Shankar S/o- Shri Kalyan Singh	
4.	Full correspondence address of proponent and mobile no.	R/o- 453 kha, Chirgaon Dehat, Thana : Chirgaon Tehsil: Moth, District –Jhansi (U.P)	
5.	Name of Project	River Bed Sand/Morrum Mining	
6.	Project location (Plot/Khasra/Gata No.)	Arazi no: 420, 421, 422, 423 & 426	
7.	Name of Village	Erach	
8.	Tehsil	Garautha	
9.	District	Jhansi , U.P.	
10.	Name of Minor Mineral	River bed Sand / Morrum Mining	
11.	Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.386 Ha.	
12.	Max. & Min mRL within lease area	Highest Point :148 mRL Lowest Point :140 mRL	
13.	Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate- 2.386 Ha.	
		Pillars	Pillars
		A	25°49'19.26"N 79° 6'36.53"E
		B	25°49'20.95"N 79° 6'36.88"E
		C	25°49'21.41"N 79° 6'40.50"E
		D	25°49'21.08"N 79° 6'43.14"E
		E	25°49'18.15"N 79° 6'48.89"E
		F	25°49'17.50"N 79° 6'48.64"E

		G	25°49'17.69"N	79° 6'47.68"E	
		H	25°49'17.50"N	79° 6'47.18"E	
		Workable Area – 1.2239 Ha.			
		A	25°49'19.26"N	79° 6'36.53"E	
		B	25°49'20.95"N	79° 6'36.88"E	
		N	25°49'21.16"N	79° 6'38.25"E	
		M	25°49'20.31"N	79° 6'41.26"E	
		L	25°49'20.48"N	79° 6'41.79"E	
		K	25°49'20.11"N	79° 6'42.55"E	
		J	25°49'19.42"N	79° 6'43.18"E	
		I	25°49'19.77"N	79° 6'45.67"E	
		E	25°49'18.15"N	79° 6'48.89"E	
		F	25°49'17.50"N	79° 6'48.64"E	
		G	25°49'17.69"N	79° 6'47.68"E	
		H	25°49'17.50"N	79° 6'47.18"E	
		Area under Active Water Channel – 0.4868 Ha.			
		N	25°49'21.16"N	79° 6'38.25"E	
		M	25°49'20.31"N	79° 6'41.26"E	
		L	25°49'20.48"N	79° 6'41.79"E	
		K	25°49'20.11"N	79° 6'42.55"E	
		J	25°49'19.42"N	79° 6'43.18"E	
		I	25°49'19.77"N	79° 6'45.67"E	
		D	25°49'21.08"N	79° 6'43.14"E	
		C	25°49'21.41"N	79° 6'40.50"E	
		Note- Area under SSMMG – 0.1103 Ha. Safety Zone – 0.5650 Ha.			
		14.	Total Geological Reserves	39,845 m ³	
		15.	Total Mineable Reserves	23,860 m ³	
		16.	Total Proposed Production (in five years)	23,860 m ³ in 6 months	
		17.	Proposed Production/year	23,860 m ³ in 6 months	
		18.	Sanctioned Period of Mine lease	6 months	
		19.	No. Of Workers	35	
		20.	Type of Land	State Government Land	
21.	Ultimate Depth of Mining	1.88m (Source: Approved Mining Plan)			
22.	Nearest metalled road from site	1430 m			
23.	Water Requirement	Purpose	Requirement (KLD)		
		Drinking	0.175		
		Suppression of Dust	10.01		
		Plantation	3.00		
		Total	13.18 KLD		
24.	Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/2124/RA0245, Validity Till August 24/2024			
25.	Any litigation pending against the project or hand in any court	No			
26.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi, Letter No. 1428/30एम.एम.सी./ (2023-24), Date – 06-10-2023			
27.	Details of Lease Area in approved DSR	Amendment DSR Letter No- 1914/एम०-228/2017(खनन नीति)- डी०एस०आर०, dated- 22/03/2023, Sr. No. 4			
28.	Proposed EMP Cost	Rs. 26.63Lakhs			
29.	Length and width of Haul Road	Haul Road Length 1430 m & Width 7 m			
30.	No. of Trees to be Planted	3000 Trees			
31.	Monitoring Period	-			

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.

4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 07/11/2023 mentioning is as follows:

1. I Mr. Akhilesh Gupta S/o Sri. Omkar Gupta is EIA Coordinator of M/s Globus Environment Engineering Services.
2. I have prepared the report for the Proposal (SIA/UP/MIN/448997/2023) in Name "River Bed Sand/ Morrum Mining from Betwa River at Araj No. 420, 421, 422, 423 & 426, Area: 2.386 Ha, Village: Erach, Tehsil: Garautha, District: Jhansi, State: Uttar Pradesh.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied that all the necessary data/ information submitted along with Application are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal. In case the project is being uploaded for the 2nd time that is only after the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report. (If and as required): Not Applicable.
8. The report for the Proposal is prepared by me as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 01

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

1. The quantity mentioned in LoI or quantity mentioned in replenishment study, whichever is less, would be maximum quantity which project proponent may extract. It will be ensured by District Administration and Geology and Mining Department. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders.
2. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
3. Project Proponent should submit action plan for carrying out plantation at least @ 1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
4. The project proponent shall install solar light in their site office.
5. 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.
6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.

7. 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.
8. 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.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

2. Building Stone (Gitti/Boulder) Sand Stone Mine, Araj number-281/40, Khand No.1, Village –Sukrit, Tehsil- Robertsganj, District- Sonbhadra, Shri Ravindra Kumar Mishra, Area-2.0234 ha., 8368/7495/SIA/UP/MIN/448661/2023

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 and 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 Building Stone (Gitti/Boulder) Sand Stone Mine, Araj number-281/40, Khand No.1, Area- 2.0234 ha Village –Sukrit, Tehsil –Robertsganj, District- Sonbhadra, Uttar Pradesh of Shri Ravindra Kumar Mishra.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 411/Parya/SEIAA/7495/2022, Dated 18/04/2023.
3. The Public Hearing was organized on 24/08/2023. Final EIA report submitted by the project proponent on 17/10/2023.
4. Salient features of the project as submitted by the project proponent:

5.	On-line proposal No.	New Proposal No. SIA/UP/MIN/448661/2023 Old Proposal No. SIA/UP/MIN/412141/2022
6.	File No. allotted by SEIAA, UP	8368/7495
7.	Name of Proponent	Ravindra Kumar Mishra S/o Late Ram Roop Mishra
8.	Full correspondence address of proponent and mobile no.	R/o -Village Kharagpur, Paddy, Jasa Tehsil, Rajatalab, District-Varanasi Uttar Pradesh Mobile no. – 9450359637 E mail ID - ravindramvns@gmail.com
9.	Name of Project	Environment Clearance of proposed Building Stone (Gitti/Boulder) Sand Stone Mine, Araj number-281/40, Khand No.1, Area- 2.0234 ha Village –Sukrit, Tehsil – Robertsganj, District-Sonbhadra, Uttar Pradesh of Shri Ravindra Kumar Mishra.
10.	Project Location (Plot. Khasra/Gata No.)	Araj no. 281/40, Khand No.1
11.	Name of Village	Sukrit
12.	Tehsil	Robertsganj
13.	District	Sonbhadra
14.	Name of Minor Mineral	“Building Stone (Gitti/Boulder) Sand Stone Mine”
15.	Sanctioned Lease Area (in Ha.)	2.0234 ha
16.	Max. & Min mRL within lease area	Highest mRL -276.20 mRL Lowest mRL- 266.50 mRL

17.	Pillar Coordinates (Verified by DMO)	<table border="1"> <tr> <th>Pillar No</th><th>N</th><th>E</th></tr> <tr> <td>A</td><td>24°55'9.04"N</td><td>83° 3'26.04"E</td></tr> <tr> <td>B</td><td>24°55'9.41"N</td><td>83° 3'30.77"E</td></tr> <tr> <td>C</td><td>24°55'7.61"N</td><td>83° 3'35.45"E</td></tr> <tr> <td>D</td><td>24°55'6.82"N</td><td>83° 3'29.79"E</td></tr> <tr> <td>E</td><td>24°55'5.29"N</td><td>83° 3'29.93"E</td></tr> <tr> <td>F</td><td>24°55'4.59"N</td><td>83° 3'26.51"E</td></tr> </table>	Pillar No	N	E	A	24°55'9.04"N	83° 3'26.04"E	B	24°55'9.41"N	83° 3'30.77"E	C	24°55'7.61"N	83° 3'35.45"E	D	24°55'6.82"N	83° 3'29.79"E	E	24°55'5.29"N	83° 3'29.93"E	F	24°55'4.59"N	83° 3'26.51"E
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E	24°55'5.29"N	83° 3'29.93"E																					
F	24°55'4.59"N	83° 3'26.51"E																					
18.	Total Geological Reserves	8,41,198 m ³																					
19.	Total Mineable Reserve	3,28,740 m ³																					
20.	Total Proposed Production (in five year)	3,03,640 m ³ (5 years)																					
21.	Proposed Production /year (as per LoI)	60,728 m ³ /annum																					
22.	Sanctioned Period of Mine lease	Plan Period 5 years																					
23.	No. of workers	39																					
24.	Type of Land	Govt./Non Forest Land																					
25.	Ultimate Depth of Mining	30.0 m (5 years)																					
26.	Nearest metalled road from site	0.20 km																					
27.	Water Requirement	PURPOSE Drinking - 0.39 KLD Suppression of dust - 2.40 KLD Plantation - 0.20 KLD Others (if any) - 0.00 KLD Total - 03.00 KLD																					
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/2124 RA 0224, Valid till -01 May 2024																					
29.	Any litigation pending against the project or land in any court	No																					
30.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 2015/30-Khanij, dated - 12-09-2022																					
31.	Details of Lease Area in approved DSR	at Serial no. 07, Page no. 02																					
32.	Proposed EMP cost	EMP cost-10.74 Lacs (Project Cost 90.00 lacs & CER cost- 1.80 Lacs)																					
33.	Length and breadth of Haul Road	Length – 0.20 km, Breadth – 6.00 m																					
34.	No. of Trees to be Planted	3000																					
35.	Monitoring Period	Baseline Monitoring during Winter season Dec 2022 to February 2023																					

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

The consultant (EIA Coordinator) also submitted an affidavit dated 06/11/2023 mentioning is as follows:

- I Dr. Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of Paramarsh servicing Environment and Development.
- I have prepared EIA/EMP report for the Environment Clearance of Building Stone (Gitti/Boulder) Sand Stone Mine, Araj number-281/40, Khand No.1, Area- 2.0234 ha Village–Sukrit, Tehsil–Robertsganj, District–Sonbhadra, Uttar Pradesh, Proposal number: New Proposal No. SIA/UP/MIN/448661/2023 & Old Proposal No. SIA/UP/MIN/412141/2022 with my team.
- I have personally visited the proposed site along with team and certify that no Mining/construction activity has been undertaken on the project site for the present proposal.
- I am satisfied with that all the necessary data/information required for EIA/EMP preparations are true and correct.

5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 02

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:

1. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
2. The project proponent shall install solar light in their site office.
3. 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.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. 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
6. 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.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3 years 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.
8. 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.
9. 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.
10. 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.

11. 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.
12. The project proponent should explore the possibilities of rainwater harvesting.
13. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
14. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
15. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the Forest Department, UPPCB and Directorate of Environment, UP.

3. Group Housing Project at GH-2C, Sector-12, Greater Noida, District-Gautam Budh Nagar, U.P., M/s Eldeco Real Estate Limited, Shri Amit Kumar., 8370/SIA/UP/INFRA2/449220/2023

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 Ind Tech House Consult, Delhi. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Group Housing Project at GH-2C, Sector-12, Greater Noida, District-Gautam Budh Nagar, U.P., M/s Eldeco Real Estate Limited.
2. The Plot area for the project is 14998 m² and total built-up area will be 92624.00 m².
3. Expected population will be 3309 (Fix 2274+Floating 1035).
4. Maximum number of floors will be 2B+G+22 and maximum height of the building will be 82.05 m.
5. Total Saleable Dwelling Units are 368 nos.
6. Salient features of the project:

SN	Description	Particulars	Unit
GENERAL			
1	Plot Area	14998	SQM
2	Proposed Built Up Area	92624.00	SQM
3	Number of Building Blocks (05 Res+1 Commer+1 Community)	7	NOS
4	Total no of Saleable DU's	368	NOS
5	Max Height of Building (Upto terrace level)	82.05	M
7	Max No of Floors	2B+G+22	NOS
8	Cost of Project	240	CR
9	Expected Population	3309	PERSONS
10	Permissible Ground Coverage Area (@35%)	5249.300	SQM
11	Proposed Ground Coverage Area (@22.27%)	3340.450	SQM
12	Permissible FAR Area (@420)	62991.60	SQM
13	Proposed FAR Area (@423.60)	54903.97	SQM
14	Proposed NoN FAR Area	37720.03	SQM
15	Proposed Built Up Area	92624.00	SQM
WATER			
16	Total Water Requirement	257	KLD
17	Fresh water requirement	174	KLD
18	Waste water Generation	190	KLD
19	Proposed STP Capacity	250	KLD
20	Treated Water Available for Reuse	171	KLD
21	Recycled Water	83	KLD
22	Surplus Treated water	88	KLD
RAIN WATER HARVESTING			

23	Rain Water Harvesting Potential	172.17	CUM
24	No of RWH of Pits Proposed	4	NOS
PARKING			
25	Total Parking required	686	Cars
26	Total Proposed Parking	704	Cars
27	Proposed Surface Parking	74	Cars
28	Proposed Basement 1 Parking	312	Cars
29	Proposed Basement 2 Parking	318	Cars
GREEN AREAS			
30	Required Green Area (38.86% of Plot Area)	5829	SQM
31	Proposed Green Area (42.86% of Plot Area)	6429.00	SQM
WASTE GENERATION			
32	Municipal Solid Waste Generation	1.25	TPD
33	Bio Degradable waste	0.50	TPD
35	Quantity of Sludge Generated from STP	19.02	KG/DAY
POWER			
36	Total Power Requirement	3077	KVA
37	DG set backup	1760	KVA

7. Land use breakup:

S. No.	Particulars	Area (sqm)	% w r t plot area
1	Ground Coverage Area	3340.45	22.27
2	Green Area	6429.00	42.87
3	Road/Paved & Parking Area	5228.55	34.86
4	Total Plot Area	14998	100

8. Landscape plan:

Plot Area	14998 m2
Proposed Green Area (42.86 % of plot area)	6429.00 m2
Required No of Trees	187.4 Nos.
Proposed No. of trees	190 Nos.

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

The consultant (EIA Coordinator) also submitted an affidavit dated 03/11/2023 mentioning is as follows:

1. I, Anand Kumar Dubey, S/o Shri Amar Nath Dubey is is EIA Coordinator of M/s Ind Tech House Consult.
2. I have prepared Form-1, Form-1A, Conceptual Plan & EMP report for the Group Housing Project at GH-2C, Sector-12, Greater Noida, District-Gautam Budh Nagar, U.P., M/s Eldeco Real Estate Limited with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EC application are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EC application for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 03

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

Additional Conditions:

1. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
2. Project proponent should ensure that there will be no use of "Single use of Plastic" (SuP).
3. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The project proponent will ensure that there is no mismatch/deviation between the project proposal submitted to SEIAA for environmental clearance and maps/drawings were approved by concerned development authority. In case of any mismatch/deviation, amended environmental clearance will be obtained by project proponent. In case of failure, the granted environmental clearance shall automatically deem to be cancelled.
5. The proponent should provide electric vehicle charging facility as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
6. The project proponent should develop green belt in the housing scheme as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms. The project proponent will prepare working plan of plantation/green belt development showing type of plant species and their spacing in consultation with subject expert/ forest department and submit to the forest department and concerned regulatory authority and ensure their survival and sustainability
7. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
8. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
9. The project proponent will ensure full exploitation of potential of rain water harvesting for storage and recharging and also treated wastewater in order to reduce the withdrawal of fresh water and accordingly use the three sources of water supply namely stored rain water, treated wastewater and the fresh water. The project proponent shall also provide a flow measuring device along with flow integrator for monitoring the various sources of water supply namely fresh water, treated waste water and stored harvested rain water.
10. The project proponent will ensure the quality of construction water as per standards and specifications of relevant codes in order to prevent possible corrosion in concrete, reinforcements and other structural components in order to avoid adverse social and environmental impacts.
11. The project proponent will ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prefer to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change.
12. The project proponent will make necessary arrangement to get Structural auditing conducted by an expert institution once in 5 years during life span of the building to ensure safe life of the residents and prevent environmental and social hazards.
13. The project proponent shall plan for stormwater management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

1. Statutory compliance:
 1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
 2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
 3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
 1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
 5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 6. Wet jet shall be provided for grinding and stone cutting.
 7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
 9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
 10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
 11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
 1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swaes, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

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

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

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

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

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

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

4. “Silica Sand Mine” at Gata No – 720, part of 719, at Village-chhatehra/gurehtha (block-5) Tehsil-Bara, District-Prayagraj, Smt. Shashikala Pande, Area – 10.231 ha., 8372/7107/SIA/UP/MIN/449263/2023

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 and 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 “Silica Sand Mine” at Gata No – 720, part of 719, Area – 10.231 ha at Village-Chhatehra/Gurehtha (block-5) Tehsil-Bara, District-Prayagraj, Uttar Pradesh.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 03/Parya/SEIAA/7107/2022 dated 12 April 2023.
3. The Public Hearing was organized on 25/08/2023. Final EIA report submitted by the project proponent on 18/10/2023.
4. Salient features of the project as submitted by the project proponent:

5.	On-line proposal No.	New Proposal No. SIA/UP/MIN/449263/2023 Old Proposal No. SIA/UP/MIN/77234/2022
6.	File No. allotted by SEIAA, UP	8372/7107
7.	Name of Proponent	Smt. Shashikala Pandey
8.	Full correspondence address of proponent and mobile no.	W/o Shri Vidyasagar Pande R/o – 31, Gangotri Nagar, Dandi, Prayagraj, Uttar Pradesh Mobile no. – E mail ID - vspandeyudmri@gmail.com
9.	Name of Project	Environment clearance of proposed “Silica Sand Mine” at Gata No – 720, part of 719, Area – 10.231 ha at Village-chhatehra/gurehtha (block-5) Tehsil-Bara, District-Prayagraj, Uttar Pradesh of Smt. Shashikala Pandey
10.	Project Location (Plot. Khasra/Gata No.)	Gata No – 720, part of 719
11.	Name of Village	chhatehra/gurehtha (block-5)
12.	Tehsil	Bara
13.	District	Prayagraj
14.	Name of Minor Mineral	“Silica Sand Mine”
15.	Sanctioned Lease Area (in Ha.)	10.231 ha
16.	Max. & Min mRL within lease area	Highest mRL - 109.10 mRL Lowest mRL- 105.50 mRL

17.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25°18' 08.27"	81°40' 51.00"
		B	25°18' 05.73"	81°40' 55.59"
		C	25°18' 00.01"	81°40' 00.25"
		D	25°17' 56.97"	81°40' 55.40"
		E	25°17' 53.25"	81°40' 52.23"
		F	25°17' 56.17"	81°40' 45.07"
		G	25°17' 56.06"	81°40' 41.34"
		H	25°17' 58.62"	81°40' 42.94"
I	25°17' 59.50"	81°40' 40.40"		
18.	Total Geological Reserves	Silica sand - 31,87,266 m ³		
19.	Total Mineable Reserve	Silica sand - 16,48,425 m ³		
20.	Total Proposed Production (in five year)	Silica sand – 1,54,165 m ³ (5 years)		
21.	Proposed Production /year (as per LoI)	Silica sand - 30,833 m ³ /annum		
22.	Sanctioned Period of Mine lease	Plan Period 5 years		
23.	No. of workers	49		
24.	Type of Land	Govt./Non Forest Land		
25.	Ultimate Depth of Mining	12.00 m (5 years)		
26.	Nearest metalled road from site	0.50 km		
27.	Water Requirement	PURPOSE		
		Drinking	- 0.49 KLD	
		Suppression of dust	- 06.00 KLD	
		Plantation	- 11.00 KLD	
		Others (if any)	- 0.00 KLD	
		Total	- 17.50 KLD	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/2124 RA 0224, Valid till –01 May 2024		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No –4893/Khanij/2021-22, dated - 04/02/2022		
31.	Details of Lease Area in approved DSR	Serial no.01, on dt. 01/04/2021		
32.	Proposed EMP cost	EMP cost- 22.56 Lacs (Project Cost 1.30 Crore & CER cost- 2.60 Lacs)		
33.	Length and breadth of Haul Road	Length – 0.50 km, breadth – 6.00 m		
34.	No. of Trees to be Planted	11,000		
35.	Monitoring Period	March 2022 to May 2022		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 06/11/2023 mentioning is as follows:

- I Dr. Abdul Rahman S/o Shri Mohammed Khalid is EIA Coordinator of Paramarsh servicing Environment and Development.
- I have prepared EIA/EMP report for the environmental clearance of proposed “Silica Sand Mine” at Gata No – 720, part of 719, Area – 10.231 ha at Village- Chhatehra/Gurehtha (block-5) Tehsil- Bara, District-Prayagraj, Uttar Pradesh of Smt. Shashikala Pandey, New Proposal No. SIA/UP/MIN/449263/2023 Old Proposal No. SIA/UP/MIN/77234/2022 with my team.
- I have personally visited the proposed site along with team and certify that no mining activity has been undertaken on the project site for the present proposal.

4. I am satisfied with that all the necessary data/information required for EIA/EMP preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 04

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

1. Project proponent should submit drone videography of the project site mentioning the date, time and geo coordinates before starting the sand mining.
2. The quantity mentioned in LoI or quantity mentioned in replenishment study, whichever is less, would be maximum quantity which project proponent may extract. It will be ensured by District Administration and Geology and Mining Department. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders.
3. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
4. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
5. The project proponent shall install solar light in their site office.
6. 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.
7. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
8. 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.
9. 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.
10. The project proponent should explore the possibilities of rainwater harvesting.
11. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
12. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
13. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
14. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
15. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

5. Clinker Grinding unit capacity 3,60,000 TPA (1000 TPD) at Plot No: UD -1, Industrial Area, Sultanpur Road, Tehsil & Distt: Raebareli, Shri Ashish Pratap Singh, M/s Unicem Cement Private Limited., 8374/7077/SIA/UP/IND1/449045/2023

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 & Technical Research Centre. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environment clearance is sought for Clinker Grinding unit capacity 3,60,000 TPA (1000 TPD) at Plot No: UD -1, Industrial Area, Sultanpur Road, Tehsil & Distt: Raebareli, U.P., M/s Unicem Cement Private Limited.
2. The standard terms of reference in the matter were issued through online Parivesh Portal on 14/05/2022.
3. The public hearing was organized on 06/09/2023. Final EIA report submitted by the project proponent on 19/10/2023.
4. Salient features of the project:

Sr. No.	Attributes	Clinker Grinding Unit			
1	Nature and Size of Project	Products		Proposed Capacity	
		Cement		3,60,000 TPA (1000 TPD)	
		D.G. Set proposed		500 KVA	
2	Location	Plot No: UD -1, Industrial Area, Sultanpur Road, Tehsil & Distt: Raebareli, Uttar Pradesh.			
3	Total project area	0.76 ha (1.85 Acre)			
4	Total project cost	Rs. 23.38 Crores			
5	No of working days	330 Days /Annum			
6	Raw material and its Quantity	Raw Materials Requirement - (90 % PPC)			
		Clinker (60%): 2,16,000 TPA	Gypsum (5%): 18,000 TPA	Fly ash (35%): 1,26,000 TPA	
7	Fuel Requirement	Name of the Fuel	Quantity Required (TPH or Lit/hr)		Unit
		Diesel	25		DG Set (500 KVA)
8	Fresh Water Requirement	Mill Spray	Cooling water	Drinking and Domestic	Green Belt
		50 KLD	30 KLD	10 KLD	10 KLD
9	Man Power Requirement	120 Persons; out of which, 30 will be permanent and 90 will be temporary			
10	Power Requirement	2 MW, Source: Uttar Pradesh Power Corporation Ltd. (UPPCL)			
11	Waste Water Generation	No waste water will be generated from the proposed plant.			
12	Emission sources and their Control	Bag Filters (99.99 % efficiency) Stack Height: 45 meters			
13	Product Mix	Portland Pozzolana Cement (PPC), Ordinary Portland Cement (OPC) & Composite Cement			

5. Land use details:

Sr No.	Unit	Area (ha)	Area (m ²)	Area (%)
1.	Roof Top	0.19	1900	25%
2.	Road & Paved	0.114	1140	15 %
3.	Green Belt Area	0.266	2660	35 %
4.	Open Space	0.19	1900	25 %
	Total Project Area	0.76	7600	100 %

6. Raw material details:

Sr. No.	Material	Quantity (TPA)	Source	Distance & Mode of Transportation
1.	Clinker - 60%	2,16,000.0	Open Market	~400 km By Rail/Road

2.	Gypsum (Mineral and Chemical)-5%	18,000.0	Open Market	Rail/Road
3.	Fly ash -35%	1,26,000.0	Open Market	Nearest CPP Plant
Total		3,60,000.0		

7. Plant machinery details:

Sr. No.	Description	Unit	Quantity	Capacity
(A)	Grinding System			
1.	Ball Mill	30 TPH 20 TPH	02	1000 TPD (30 TPH x 01 No + 20 TPH x 01 No) on PPC with a fineness of 3700 +/- 100 Sq.cm / gm Blaine
(B)	Bag House / Bag Filters for Air Pollution Control	Nos.	8	As per below table
(C)	Packing Plant			
1.	Roto-Packer	TPH	1	240
2.	Bulk Loading	TPH	1	100
3.	Box Feeders	Tons	1	100
(D)	Weigh Bridges	Tons	2	50
(E)	DG Sets	kVA	01	500

8. Water calculation details:

Project Activity	Total Water Requirement (KLD)	Source
Mill Spray	50	Ground Water
Cooling Water	30	
Drinking and Domestic	10	
Greenbelt	10	
TOTAL	100.0	

9. (02 nos RWM structure will be constructed in the premises to harvest **1598.85** m³/annum of rainwater.)Solid and hazardous waste details:

10. Solid waste details:

Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
Bio Degradable	Organic Waste	Green	Vermi-composting site within the project site	12.0
Non-Biodegradable	Recyclable Waste	White	Authorized Recycler	9.0
Non-Biodegradable	Inert Waste	Black	Nearby Landfill Site	9.0
	Total			30.0 Kg/day

11. Hazardous waste details:

S. No.	Solid waste	Quantity	Method of disposal
1.	Used / Spent Oil (5.1) and Waste	1500 Liters / Annum	The used oil will be sent to the vendors authorised by UPPCB for the treatment of the same.

12. The project proposal falls under category-3(b) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 06/11/2023 mentioning is as follows:

1. I, Anubhav Singh, S/o Shri Bhupendra Singh is EIA Coordinator of M/s Environmental & Technical Research Centre.
2. I have prepared the EIA/EMP report for the proposal in name of Clinker Grinding unit capacity 3,60,000 TPA (1000 TPD) at Plot No: UD -1, Industrial Area, Sultanpur Road, Tehsil & Distt: Raebareli, U.P., M/s Unicem Cement Private Limited with my team.

3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.
4. I am satisfied that all the necessary data/information submitted along with Application/EIA/EMP are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP application for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO-05

The committee discussed the matter and recommended grant of environmental clearance for the project proposal as above along with standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:

Additional conditions:

- I. Project proponent should explore the possibility of reducing ground water usage and try to minimize in the future.
- II. Three tier green belts shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation)
- III. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF and CC.
- IV. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
- V. Properly covered vehicles shall be used while transporting material and product.
- VI. Allergy test should also be included in health checkup of works.
- VII. Project proponent should invest the CER/CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
- VIII. The project proponent will ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prefer to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change.
- IX. Industry to strictly follow the CREP Compliance as per the directions of MoEF & CC, Govt. of India, CPCB and UPPCB from time to time for this nature of unit and submit a compliance report to the concerned authority.
- X. Fugitive dust emissions from all the sources shall be controlled with the help of Air Pollution Control System (APCS). Regular water spraying arrangement to be done on internal roads of the plant to suppress the dust emissions from vehicular movements.

Standard environmental clearance conditions:

- I. Statutory compliance
 - i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 - ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife

Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).

- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at two locations (one within and one outside the plant area), covering upwind and downwind directions .
- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- x. Provide wind shelter fence and chemical spraying on the raw material stock piles.
- xi. Have separate truck parking area and monitor vehicular emissions at regular interval.
- xii. Efforts shall be made to reduce impact of the transport of the raw materials and

end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.

- xiii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

III. Water quality monitoring and preservation:

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous).
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to Zero Liquid Discharge.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- ix. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules , 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- ii. Provide the project proponent for LED lights in their offices and residential areas.
- iii. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.

- VI. Waste management
- i. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
 - ii. Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant).
- VII. Green Belt
- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
 - ii. The industry shall develop green belt as per the map provided by the PP and adopt area in existing industrial area to compensate 33% green belt.
 - iii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- VIII. Public hearing and Human health issues
- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - ii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
 - iii. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 - iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- IX. Corporate Environment Responsibility
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 - iii. A separate Environmental Cell both at the project and company head quarter level , with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.

- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.

X. Miscellaneous

- i. Under CER activity as committed ambulance for handicapped, equipped with medical facilities may be provided.
- ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.
- xv. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated

- conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring g reports.
- xvii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

6. Group Housing at Plot No. GH-04A, Sector 12, Greater Noida, Samuddin Khan, M/s Lotus SRS Build tech Pvt. Ltd., 8376/SIA/UP/INFRA2/449509/2023

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 Ind Tech House Consult, Delhi. 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 Group Housing at Plot No. GH-04A, Sector 12, Greater Noida by M/S Lotus SRS Buildtech Pvt. Ltd.
2. Salient Features Details:

SN	Description	Particulars	Unit
GENERAL			
1	Plot Area	30000	SQM
2	Proposed Built Up Area	175191.88	SQM
3	Number of Building Blocks (6 Res+1 Commer+1 Commr.)	8	NOS
4	Total no of Saleable DU's	766	NOS
5	Max Height of Building (Upto terrace level)	110.7	M
6	Max No of Floors	2B+G/ST+32	NOS
7	Cost of Project	527	CR
8	Expected Population	3972	PERSONS
9	Permissible Ground Coverage Area (@35%)	10500.000	SQM
10	Proposed Ground Coverage Area (@27.2%)	8167.350	SQM
11	Permissible FAR Area (3.5+5% Green)	110250.00	SQM
12	Proposed FAR Area	110047.15	SQM
13	Proposed NoN FAR Area	65144.73	SQM
14	Proposed Built Up Area	175191.88	SQM
WATER			
15	Total Water Requirement	368	KLD
16	Fresh water requirement	250	KLD
17	Waste water Generation	272	KLD
18	Proposed STP Capacity	330	KLD
19	Treated Water Available for Reuse	244	KLD
20	Recycled Water	118	KLD
21	Surplus Treated water	127	KLD
RAIN WATER HARVESTING			
22	Rain Water Harvesting Potential	373.69	CUM
23	No of RWH of Pits Proposed	8	NOS
PARKING			
24	Total Parking required	1378	ECS

25	Total Proposed Parking	1452	ECS
26	Proposed Upper Basement Parking	688	ECS
27	Proposed Lower Basement Parking	764	ECS
GREEN AREAS			
28	Required Green Area (36.38% of Plot Area)	10916.33	SQM
29	Proposed Green Area (36.5% of Plot Area)	10954.80	SQM
WASTE GENERATION			
30	Municipal Solid Waste Generation	1.81	TPD
31	Bio Degradable waste	0.72	TPD
32	Quantity of Sludge Generated from STP	27.17	KG/DAY
POWER			
33	Total Power Requirement	3150	KW
34	DG set backup	2500	KVA

3. Population Details:

POPULATION			
RESIDENTIAL	DU'S	POP/DU	TOTAL
DU's	766	4.5	3447
TOTAL	766		3447
NON RESIDENTIAL			
Community Bldg	LS	LS	80
Commercial Gr. Floor	LS	LS	50
Facility Management Staff		LS	50
TOTAL			180
VISITORS			
Res. VISITORS			345
Total Visitors			345
TOTAL POPULATION			3972

4. Water requirement details:

WATER REQUIREMENT			
	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN KL
RESIDENTIAL			
DOMESTIC	3447	65	224
FLUSHING	3447	21	72
NON-RESIDENTIAL (Working)			
DOMESTIC	180	25	4.50
FLUSHING	180	20	3.60
VISITORS			
DOMESTIC	345	5	1.72
FLUSHING	345	10	3.45
Filter Back wash			10
TOTAL POPULATION	3951		
Swimming POOL			10
GARDENING	10954.80	3.5	38
TOTAL WATER REQUIREMENT			368

5. Parking details:

No. of Parking (ECS)			
Sl. No.	Description	Total Quantity	Unit
1.	Total Parking Required as / Building Bye Laws	1378	ECS
2.	Total Proposed Parking	1452	ECS
3.	Proposed Upper basement	688	ECS
4.	Proposed Lower Basement	764	ECS

6. Solid waste generation details

Waste Category	Quantity	Unit
Total Solid Waste Generation	1.81	TPD
Organic waste	0.72	TPD

Quantity of Sludge Generated from STP	27.17	KG/Day
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7. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 08/11/2023 mentioning is as follows:

1. I, Soumya Dwivedi S/O Shri J.P. Dwivedi is EIA Coordinator of M/s Ind Tech House Consult, Delhi.
2. I have prepared the Application/ Form 1, 1A and Conceptual plan for the Proposal (SIA/UP/INFRA2/449509/2023), Terms of Reference for Proposed Group Housing at Plot No. GH-04A, Sector 12, Greater Noida Uttar Pradesh, M/s Lotus SRS Buildtech Pvt. Ltd.
3. I have personally visited the site of proposal and no construction activity has been undertaken on the project site for the present proposal.
4. I am satisfied with all the necessary data/information submitted along with Application/ Form 1, 1A and Conceptual plan for Terms of Reference are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application/Form 1, 1A and Conceptual plan submitted on Parivesh Portal and hard copy/presentation submitted after acceptance of application.
7. The Application/ Form 1, 1A and Conceptual plan for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO-06

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

1. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
2. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
3. Examine baseline environmental quality along with projected incremental load due to the project.
4. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
5. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
6. Submit the details of the trees to be felled for the project.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
8. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
9. Ground water classification as per the Central Ground Water Authority.
10. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
11. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
12. The project proponent to submit a plan for stormwater management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time
13. Examine soil characteristics and depth of ground water table for rainwater harvesting.
14. Examine details of solid waste generation treatment and its disposal.
15. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.

16. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.
17. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
18. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
19. Examine the details of transport of materials for construction which should include source and availability.
20. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
21. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
22. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
23. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
24. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
25. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
26. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

7. Group Housing “Unitech Cascade” at Plot no. 8, Sector - PI-02, Alistonia Estate, Greater Noida, Mr. Nadeem Khan, Unitech Ltd., 8378/SIA/UP/INFRA2/449650/2023

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 Perfect Enviro Solutions 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 Group Housing “Unitech Cascades” at Plot No.- 8, Sector - PI-02, Alistonia Estate, Greater, Noida, U.P., developed by M/s Unitech Ltd.
2. Environmental Clearance vide letter No. 21-453/2006-IA.III dated 23.04.2007 has been granted by MoEFCC for plot area 37619.50 m² and Built-up Area 63,384.0 m² (Excluding Basement area).
3. Project brief:

Particulars	Unit	As per EC 23.04.2007	Existing at site/ After completion
Plot Area	m ²	37619.50	
Ground Coverage (Permissible @ 30%)	m ²	11285.86	11285.86
Ground Coverage (Proposed @ 13.02%)	m ²	-	4898.06
Floor area Ratio			
FAR (Permissible)@1.5	m ²	56429.28	56429.28
FAR (Proposed)@1.4	m ²	56231.52	56231.52
Non FAR utilities			
Permissible@Area utilities i.e. 15% of FAR area	m ²	-	8,464.39

Proposed@Area utilities i.e 12.68% of FAR area	m ²	7,152.7	7,152.7
Built-up Area (FAR + Utilities) -Excluding basement area	m ²	63384.0	63384.0
Basement Area	m ²	24,619.13	24,619.13
Built-up Area (FAR + Total Non FAR)	m ²	88003.35	88003.35
Green Area	Sqm.	-	7523.90 (20%)
Open & Road Area	Sqm.	-	25197.55
Towers	No.		8
Maximum Floors	No.	-	G+22
Max. height of building	m		71.56 (T-7)
No. of Basement	No.	-	1
Dwelling Units + EWS Units	No.	404	356

4. Service Details:

Particulars	Unit	Existing at site/As per completion
Power load	KW	3728
Capacity of DG sets	kVA	Existing- 1 x250 & 1x625 proposed- 2 x 625
Parking Required	ECS	488
Parking Proposed	ECS	568
RWH pits	no.	6

5. Population details:

Particular	Unit	Existing Population	Factor	After completion
Residents	No.	115	356 units @ 5	1780
Servant	No.	-	356 units @ 2.5	890
Total Residents	No.	115		2670
Staff	No.	-		50
Visitors	No.	10		180
Total Population	No.	125		2900

6. Water calculation details:

Particulars	Unit	As per EC 23.04.2007	Existing at site/ After completion
Water Requirement	KLD	334	334 in Non Monsoon and 319 in Monsoon
Fresh Water Requirement	KLD	-	188
Treated Water Reuse	KLD	-	146 in Non Monsoon and 131 in Monsoon
Waste Water Generation	KLD	267	251
STP Capacity	KLD	300	300
Treated Water Generation	KLD	-	226
Excess treated water	KLD	-	80 in Non Monsoon season & 95 in Monsoon season
Solid Waste	Kg/day	800	970
Biodegradable Waste	kg/day	-	584
Non-Biodegradable Waste	Kg/day	-	386

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

The consultant (EIA Coordinator) also submitted an affidavit dated 07/11/2023 mentioning is as follows:

1. I, Akta Chugh, D/o Shri Ramprakash Ahuja is EIA Coordinator of M/s Perfact Enviro Solutions Pvt. Ltd.
2. I have prepared Form-1, Form-1A, Conceptual Plan & EMP report for the EC proposal no. SIA/UP/INFRA2/449650/2023 of proposed Group Housing “Unitech Cascades” at Plot No.- 8, Sector - PI-02, Alistonia Estate, Greater, Noida, U.P., developed by M/s Unitech Ltd. with my team.
3. I have personally visited the site of proposal and certify that no Mining/construction activity has been undertaken on the project site for the present proposal.
4. I am satisfied that all the necessary data/information submitted along with application are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EIA/EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 07

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

Additional Conditions:

1. Project proponent is advised to explore the possibility and getting the cement in a closed container rather through the plastic bag to prevent dust emissions at the time of loading/unloading.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SuP).
3. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The project proponent will ensure that there is no mismatch/deviation between the project proposal submitted to SEIAA for environmental clearance and maps/drawings were approved by concerned development authority. In case of any mismatch/deviation, amended environmental clearance will be obtained by project proponent. In case of failure, the granted environmental clearance shall automatically deem to be cancelled.
5. The proponent should provide electric vehicle charging facility as per the requirements at ground level and allocate the safe and suitable place in the premises for the same.
6. The project proponent should develop green belt in the housing scheme as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms. The project proponent will prepare working plan of plantation/green belt development showing type of plant species and their spacing in consultation with subject expert/ forest department and submit to the forest department and concerned regulatory authority and ensure their survival and sustainability
7. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.
8. Proponent shall provide the dual pipeline network in the project for utilization of treated water of STP for different purposes and also provide the monitoring mechanism for the same. STP treated water not to be discharged outside the premises without the permission of the concerned authority.
9. The project proponent will ensure full exploitation of potential of rain water harvesting for storage and recharging and also treated wastewater in order to reduce the withdrawal of fresh water and accordingly use the three sources of water supply namely stored rain water, treated wastewater and the fresh water. The project proponent shall also provide a flow measuring device along with

- flow integrator for monitoring the various sources of water supply namely fresh water, treated waste water and stored harvested rain water.
10. The project proponent will ensure the quality of construction water as per standards and specifications of relevant codes in order to prevent possible corrosion in concrete, reinforcements and other structural components in order to avoid adverse social and environmental impacts.
 11. The project proponent will ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prefer to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change.
 12. The project proponent will make necessary arrangement to get Structural auditing conducted by an expert institution once in 5 years during life span of the building to ensure safe life of the residents and prevent environmental and social hazards.
 13. The project proponent shall plan for storm water management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

1. Statutory compliance:
 1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
 2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
 3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
 7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
 9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
 1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height).Plastic/tarpaulin sheet

- covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 6. Wet jet shall be provided for grinding and stone cutting.
 7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
 9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
 10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
 11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
 4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
 6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
 8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge

- is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13. All recharge should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
 18. No sewage or untreated effluent water would be discharged through storm water drains.
 19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
 20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
 21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
 1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
 2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
 5. Energy Conservation measures:
 1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
 2. Outdoor and common area lighting shall be LED.
 3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.

5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
 1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
 2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
 3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
 4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
 5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
 6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
 7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
 8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
 9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
 10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
 1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
 2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
 3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
 4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
 1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be

designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- e. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - f. Traffic calming measures.
 - g. Proper design of entry and exit points.
 - h. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
 1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
 2. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
 1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
 1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days

- indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
 4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
 5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
 6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
 7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
 9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
 10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
 12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
 13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
 15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

8. "Ordinary Sand Mine" from Riverbed of Rapti River at Village- Laxmanpur Lohsorwa, Gata No.- 633, Tehsil- Nanpara, District- Bahraich, Shri Chotelal, Area-1.215 ha., 8380/SIA/UP/MIN/449798/2023

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 AWS Envirotech (OPC) 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 “Ordinary Sand Mining” at Araj/Gata no.- 633, Village- Laxmanpur Lohsorwa, Tehsil- Nanpara, District- Bahraich, U.P., Project Proponent- Shri Chotelal, (Leased Area- 1.215ha.)

2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/449798/2023		
2.	File No. allotted by SEIAA, UP	8380		
3.	Name of Proponent	Shri Chotelal		
4.	Full correspondence address of proponent	Shri Chotelal S/o Shri Tikaram R/o Mohalla- Wazeerbagh, Thana- Kotwali Nagar, Tehsil & District- Bahraich, Uttar Pradesh E-mail Id: chotelal541818@gmail.com		
5.	Name of Project	“Ordinary Sand Mining” at Village- Laxmanpur Lohsorwa, Tehsil- Nanpara, District- Bahraich, Uttar Pradesh		
6.	Project Location (Plot/Khasra/Gata No.)	Gata no.- 633, Village- Laxmanpur Lohsorwa, Tehsil- Nanpara, District- Bahraich, Uttar Pradesh		
7.	Name of Village	Laxmanpur Lohsorwa		
8.	Tehsil	Nanpara		
9.	District	Bahraich		
10.	Name of Minor Mineral	Ordinary Sand		
11.	Sanctioned Lease Area (in Ha.)	1.215 ha.		
12.	Max. & Min mRL within lease area	Highest-153.0 mRL & Lowest-155.0 mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar No	Latitude	Longitude
		A	27°56'48.83" N	81°43'56.79" E
		B	27°56'47.48" N	81°43'59.85" E
		C	27°56'43.82" N	81°43'56.78" E
		D	27°56'45.27" N	81°43'53.73" E
14.	Total Geological Reserves	27,106 m ³		
15.	Total Mineable Reserve (as per Approved Mine Plan)	20,000 m ³		
16.	Total Proposed Production (in five years)	20,000 m ³ in 6 Months		
17.	Proposed Production / year	20,000 m ³ in 6 Months		
18.	Sanctioned Period of Mine lease	06 Months		
19.	No. of workers	35		
20.	Type of Land	Private land		
21.	Ultimate Depth of Mining	2.80 m		
22.	Nearest metalled road from site	300 m		
23.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.35 KLD	
		Suppression of dust	3.00 KLD	
		Plantation	0.50 KLD	
		Total	3.85 KLD	
24.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s AWS Envirotech (OPC) Pvt. Ltd 2 nd floor Devpuri plaza, Neelgiri crossing, Faizabad road, Indranagar, Lucknow-226016, U.P. Certificate no. NABET/EIA/2225/IA 0097 (Rev.01) Valid Till July 14,2025		
25.	Any litigation pending against the project or land in any court	No		
26.	Details of 500 m Cluster Certificate verified by Mining Officer	Vide Letter No.- 993/Tees-Khanan/2023 Dated- 20.06.2022		
27.	Details of Lease Area in approved DSR	Approved DSR Letter no. 379/M.-228/2017 (khanan neeti)- D.S.R. Dated-02/06/2022		
28.	Proposed EMP cost	EMP cost is Rs. 8.75 Lakhs		
29.	Length & breadth of Haul Road	500 m		

30.	No. of Trees to be Planted	250
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3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 21/10/2023 mentioning is as follows:

1. I Sandeep Kumar S/o Shri R.K. Verma is EIA Coordinator of M/s AWS Envirotech (OPC) Pvt. Ltd., Accreditation Certificate No- NABET/EIA/2225/IA 0097 (Rev.01) Valid Till July 14, 2025.
2. I have prepared EIA/EMP report for the Proposal No./SIA/UP/MIN/449798/2023 (File No. - 8380) Project Proponent- Shri Chotelal S/o Shri Tikaram R/o Mohalla- Wazeerbagh, Thana- Kotwali Nagar, Tehsil & District- Bahraich, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 08

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

1. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders. The quantity mentioned in LoI or quantity mentioned in replenishment study, whichever is less, would be maximum quantity which project proponent may extract. It will be ensured by District Administration and Geology and Mining Department.
2. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
3. Project proponent has committed to plant 1000 number of trees/hectare. The project proponent/consultant if desires may approach to concerned District Forest Authority to plant 1000 trees/ha on a land available to the Forest Department. The project proponent will deposit the required amount for this entire plantation work (including its maintenance and security) to the Forest Department.
4. The project proponent shall install solar light in their site office.
5. 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.

6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
7. 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.
8. 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.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

9. Sand/Morrum Mining at Ken River Bed, Gata no.-04, Village- Sandikhadar, Tehsil - Pailani District – Banda, Raj Kumar Sharma, M/s S.S. Infratech, 8124/7322/SIA/UP/MIN/440029/2023

The Secretariat informed the committee that the matter was earlier discussed in 766th SEIAA meeting dated 25/10/2023 wherein:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and found that KML of the area cannot be opened online.. Hence SEIAA opined that the matter shall be referred back to SEAC.”

As per the decision of SEIAA, the matter was listed in 807th SEAC meeting dated 08/11/2023. The project proponent has submitted the reply of queries raised by SEIAA in its letter dated 08/11/2023 and mentioned as:

“...It has been observed that due to technical issues portal kml file could not be access on online portal. We are submitting a soft copy of kml file in pen drive to honorable SEIAA/SEAC for consideration.”

The committee discussed the matter and opined that the reply submitted by the project proponent seems to be satisfactory and recommended to grant the environmental clearance for the project proposals along with general and specific conditions as earlier prescribed in 785th SEAC meeting dated 13/09/2023.

10. “Ordinary Soil Excavation Project” at Gata No.- 336Mi, Village- Musawali, Tehsil- Etawah, District- Etawah, Shri Shailendra Singh, Area: 3.0351 Ha., 8044/SIA/UP/MIN/439316/2023

The Secretariat informed the committee that the matter was earlier discussed in 762nd SEIAA meeting dated 03/10/2023 wherein:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and found that KML has been masked. Hence SEIAA opined that the matter shall be referred back to SEAC.

As per the decision of SEIAA, the matter was listed in 807th SEAC meeting dated 08/11/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 08/11/2023 and mentioned is as:

“...It has been observed that due to technical issues portal kml file could not be access on online portal. We are submitting a soft copy kml file in pen drive to honorable SEIAA/SEAC for consideration.”

The committee discussed the matter and opined that the reply submitted by the project proponent seems to be satisfactory and recommended to grant the environmental clearance for the project proposals along with general and specific conditions as earlier prescribed in 781st SEAC meeting dated 05/09/2023.

11. “Building Stone (Khanda / Gitti / Boulder / Pahadi Lal Morrum) Mine” located at Gata No.- 1078 /36, Village- Gonda, Tehsil- Karwi & District- Chitrakoot, Shri Lakhan Singh, Area- 2.024 Ha., 8126/SIA/UP/MIN/440815/2023

The Secretariat informed the committee that the matter was earlier discussed in 766th SEIAA meeting dated 25/10/2023 wherein:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and found that Lol has been issued on 19.09.2022 and based line data has been taken for March 2022- May 2022 which seems erroneous and is not acceptable. Hence SEIAA opined to refer back the project to SEAC”

As per the decision of SEIAA, the matter was listed in 807th SEAC meeting dated 08/11/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 08/11/2023 and mentioned is as:

“...In the above query here I would like to state that in this project the lab data is shared of the File No. -6945, falls under 500 meter cluster certificate as mentioned below and the same will be mentioned in the SEAC presentation PPT at the slide no. 27 & MOU for sharing lab reports between both project proponents will be provided in hard copy.”

The committee discussed the matter and opined that the reply submitted by the project proponent seems to be satisfactory and recommended to issue the terms of reference for the preparation of EIA report as earlier prescribed in 785th SEAC meeting dated 13/09/2023.

12. Sand/Morrum Mine from Riverbed of Betwa River at Khand No. 26/8, ha, Village- Chandwari Ghurauli , Tehsil- Sarila & District- Hamirpur, M/s S.S.K. Devcon Pvt. Ltd., Shri Satyendra Singh Kushwah, Area- 32.437 Ha., 7942/SIA/UP/MIN/431159/2023

The Secretariat informed the committee that the matter was earlier discussed in 747th SEIAA meeting dated 05/08/2023 wherein:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and opined to refer back the project to SEAC to re-examine the KML file.”

As per the decision of SEIAA, the matter was listed in 807th SEAC meeting dated 08/11/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 08/11/2023 and mentioned is as follows:

“...A letter for clarification of submergence for lease area and availability of sand quantity with in the proposed mineable lease area has issued by district mining officer, Hamirpur vide letter no.1086/Khanij-MMC-Tees-Vividh (2023-24) dated 28/10/2023.”

The committee discussed the matter and opined that the reply submitted by the project proponent seems to be satisfactory and recommended to issue the Terms of Reference for the preparation of EIA as earlier prescribed in prescribed in 764th SEAC meeting dated 14/06/2023.

13. Riverbed Ordinary Sand/Morrum Mining from Riverbed of Yamuna River Khand No. /Gata No.- 4, 5 & 6, Village - Chandi Khadar Tehsil- Rajapur, District- Chitrakoot, Area – 41.072 Ha., 8248/7675/SIA/UP/MIN/444017/2023

The Secretariat informed the committee that the matter was earlier discussed in 797th SEAC meeting dated 12/10/2023 and the project proponent/consultant did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online requests on prescribed online portal. Subsequently, SEIAA take up the matter in its 733rd meeting dated 04/01/2023 wherein:

“SEIAA agreed with the recommendations of SEAC to close/delist the file as the project proponent did not appear and open only after submission of online request on prescribed online portal.”

The project proponent submitted their replies through online Parivesh Portal and the matter was listed in 807th SEAC meeting dated 08/11/2023. 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 AWS Envirotech (OPC) 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 Sand/ Morrum Mine from Gata No.- 4, 5 & 6, Village- Chandi Khadar, Tehsil- Rajapur, District- Chitrakoot, Uttar Pradesh, Sanctioned Lease Area- 41.072 ha., Project Proponent- M/s Tripathi Construction.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 98/Parya/SEIAA/7675/2023, dated: 09/06/2023.
3. The Public Hearing was organized on 04/09/2023. Final EIA report submitted by the project proponent on 13/09/2023.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/444017/2023
2.	File No. allotted by SEIAA, UP	8248/7675
3.	Name of Proponent	M/s Tripathi Construction (Prop. Shiv Chandra Tripathi)
4.	Full correspondence address of proponent and E-mail Id	R/o- Allahabad Road, Gandhiganj, Tehsil- Karwi, District- Chitrakoot, Uttar Pradesh
		E-mail Id- tripathiconstruction5418@gmail.com
5.	Name of Project	Sand/Morrum Mine, Village- Chandi Khadar (Gata No.- 4, 5 & 6, lease Area- 41.072 ha.) Tehsil- Rajapur, District- Chitrakoot, Uttar Pradesh, Project Proponent- M/s Tripathi Construction (Prop. Shiv

		Chandra Tripathi)		
6.	Project Location (Plot/ Khasra/Gata No.)	Gata No.- 4, 5 & 6, Village- Chandi Khadar, Tehsil- Rajapur, District- Chitrakoot, Uttar Pradesh		
7.	Name of Village	Chandi Khadar		
8.	Tehsil	Rajapur		
9.	District	Chitrakoot		
10.	Name of Minor Mineral	Sand/Morrum		
11.	Sanctioned Lease Area (in Ha.)	41.072 ha.		
12.	Max. & Min mRL within lease area	Highest mRL is 81 mRL & Lowest is 79 mRL		
13.	Pillar Coordinates (Verified by DMO)	Coordinates of the sanctioned lease area		
		Pillars	N	E
		A	25°30'29.70"N	81°06'14.40"E
		B	25°30'35.90"N	81°05'57.80"E
		C	25°31'00.50"N	81°06'04.10"E
		D	25°30'51.80"N	81°06'23.10"E
14.	Total Geological Reserves	12,32,160 m ³		
15.	Total Mineable Reserve	3,08,047 m ³		
16.	Total Proposed Production (in five year)	3,08,047 cum in 6 months		
17.	Proposed Production/year	3,08,047 cum in 6 months		
18.	Sanctioned Period of Mine lease	6 months		
19.	No. of workers	175		
20.	Type of Land	Government land		
21.	Ultimate Depth of Mining	0.80 m		
22.	Nearest metalled road from site	1.8 km		
23.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	1.75 KLD	
		Suppression of dust	3.00 KLD	
		Plantation	0.50 KLD	
		Others (if any)	-	
		Total	5.25 KLD	
24.	Name of QCI Accredited Consultant with QCI No and period of validity.	AWS Envirotech (OPC) Pvt. Ltd. Certificate no. NABET/EIA/2225/IA 0097(Rev.01) Valid Till July 14, 2025		
25.	Any litigation pending against the project or land in any court	No		
26.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1161/khanij/2022-23 Dated on- 24.01.2023		
27.	Details of Lease Area in approved DSR	In approved DSR at page no. 55, Sl. No. 11		
28.	Proposed EMP cost	EMP Cost is Rs. 8.50 Lakhs		
29.	Length and breadth of Haul Road	500 m		
30.	No. of Trees to be Planted	250		
31.	Monitoring Period	March-May, 2023		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 13/09/2023 mentioning is as follows:

1. I Sandeep Kumar S/o Shri R.K. Verma is EIA Coordinator of M/s AWS Envirotech (OPC) Pvt. Ltd., Accreditation Certificate No- NABET/EIA/2225/IA 0097 (Rev.01) Valid Till July 14, 2025.
2. I have prepared EIA/EMP report for the Proposal No SIA/UP/MIN/444017/2023 (File No. – 8248/7675 Project Proponent- Shiv Chandra Tripathi, R/o- Allahabad Road, Gandhiganj, Tehsil-Karwi, District- Chitrakoot, Uttar Pradesh, M/s Tripathi Construction with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 13

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

1. Project proponent should submit drone videography of the project site mentioning the date, time and geo coordinates before starting the sand mining.
2. The quantity mentioned in LoI or quantity mentioned in replenishment study, whichever is less, would be maximum quantity which project proponent may extract. It will be ensured by District Administration and Geology and Mining Department. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders.
3. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
4. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
5. The project proponent shall install solar light in their site office.
6. 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.
7. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
8. 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.
9. 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.
10. The project proponent should explore the possibilities of rainwater harvesting.
11. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.

12. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
13. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
14. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
15. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

14. Sand/Morrum Mine from Riverbed of Betwa River, Village- Tikapur, (Khand No. 19/6, Tehsil- Maudaha, District- Hamirpur, Shri Pramod Kumar Singh, Area- 36.437 Ha., 8038/SIA/UP/MIN/434150/2023

The Secretariat informed the committee that the matter was earlier listed in 778th SEAC meeting dated 28/08/2023 and directed the project proponent is as follows:

“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 authorized representative of project proponent along with their consultant M/s AWS Envirotech (OPC) Pvt. Ltd. During the presentation the committee observed that some portion of the total mining area of the mining lease is submerged in water. The committee directed the project proponent/consultant to clarify the availability of sanctioned mineable quantity of minerals in a workable lease area. In this regard, they have also obtained a letter of clarification in view of an approved mining plan of DGM mining. The District Mining Officer clarifies that the sanctioned/approved mineral quantity will be available from the workable area to the allotted leaseholder.”

The project proponent submitted their replies through online Parivesh Portal on 30/10/2023 and the matter was listed for reply presentation in 807th SEAC meeting dated 08/11/2023. 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 authorized representative of project proponent along with their consultant M/s AWS Envirotech (OPC) Pvt. Ltd. The project proponent submitted the following reply of the queries raised by SEAC:

- Sanctioned lease area as per LOI-36.437 Ha.(90 Acres)
- Submerged lease area-17.7677 Ha.
- Workable area as per approved mine plan-18.6693 Ha.
- Quantity as mentioned in approved DSR-582912 m³/per year
- Quantity as per sanctioned LOI & approved mine plan-111425 m³/per year (for 6 months period only)

A letter regarding the clarification of submergence of lease area and availability of sand quantity has been issued by District Mining Officer, Hamirpur vide letter no. 1048/Khanij-MMC-Tees- Vividh (2023-24) dated 28/10/2023 wherein mining officer mentioned that:-

“उक्त के सम्बन्ध में अवगत कराना है कि आपके पक्ष में तहसील मौदहा ग्राम टीकापुर खण्ड संख्या-19/6 रकबा-90 एकड़ का उपखनिज पट्टा मात्रा-1,11,425 घन मीटर रु0-379/- प्रति घन मीटर की दर से स्वीकृत कर कार्यालय पत्र संख्या-1873/खनिज-एम0एम0सी0-तीस-विविध (2022-23) दिनांक 16-03-2023 द्वारा लेटर ऑफ इन्टेन्ट (एल0ओ0आई0) निर्गत किया गया है। ग्राम टीकापुर के खण्ड संख्या-19/6 में स्थित बेतवा नदी में मानसून सत्र (जुलाई, अगस्त व सितम्बर) में नदी में जलभराव रहता है। मानसून सत्र पश्चात माह अक्टूबर से नदी अपने वास्तविक स्वरूप में आ जाती है। नदी की जलधारा में स्वाभाविक रूप से समय-समय पर परिवर्तन होता रहता है, जिसके कारण माइनिंग प्लान बनाने के समय हो सकता है खनन क्षेत्र में पानी भरा हो,

परन्तु प्रस्तावित खनन क्षेत्र में लेटर आफ इन्टेंट दिनांक 16-03-2023 में उल्लिखित उपखनिज बालू/मौरम की मात्रा 1,11,425 घनमीटर उपयुक्त मात्रा में उपलब्ध है।”

The consultant also 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 AWS Envirotech (OPC) Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for “Sand/Morrum Mining” from Riverbed of Betwa River at Khand no.- 19/6, Village- Tikapur, Tehsil- Maudaha, District- Hamirpur, Uttar Pradesh; Sanctioned Area- 36.437 ha.

2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/434150/2023																																																									
2.	File No. allotted by SEIAA, UP	8038																																																									
3.	Name of Proponent	Shri Pramod Kumar Singh S/o Shri Malkhan Singh																																																									
4.	Full correspondence address of proponent and E-mail Id	R/o- Hamirpur Road Pathanpura Kasba, Thana- Raath, District- Hamirpur, Uttar Pradesh E-mail Id- pramod11837@gmail.com																																																									
5.	Name of Project	“Sand/Morrum Mining” from Riverbed of Betwa River, Village- Tikapur, (Khand No. 19/6, Area-36.437 Ha.) Tehsil- Maudaha, District- Hamirpur, Uttar Pradesh, Proposed by Shri Pramod Kumar Singh																																																									
6.	Project Location (Plot.Khasra/Gata No.)	Khand no.- 19/6, Village -Tikapur, Tehsil - Maudaha, District – Hamirpur, Uttar Pradesh																																																									
7.	Name of River	Betwa River																																																									
8.	Name of Village	Tikapur																																																									
9.	Tehsil	Maudaha																																																									
10.	District	Hamirpur																																																									
11.	Name of Minor Mineral	Sand/Morrum Mine																																																									
12.	Sanctioned Lease Area (in Ha.)	36.437 ha.																																																									
13.	Max. & Min mRL within lease area	Highest mRL is 120.0 mRL & Lowest mRL is 115.0 mRL																																																									
14.	Pillar Coordinates (Verified by DMO)	Coordinates of the sanctioned lease area- <table border="1"> <thead> <tr> <th>PILLAR NO.</th><th>LATITUDE</th><th>LONGITUDE</th></tr> </thead> <tbody> <tr> <td>A</td><td>25°53'38.07"N</td><td>79°58'53.15"E</td></tr> <tr> <td>B</td><td>25°53'44.58"N</td><td>79°59'8.83"E</td></tr> <tr> <td>C</td><td>25°53'19.20"N</td><td>79°59'16.50"E</td></tr> <tr> <td>D</td><td>25°53'15.74"N</td><td>79°59'0.55"E</td></tr> <tr> <td>E</td><td>25°53'27.00"N</td><td>79°58'57.92"E</td></tr> </tbody> </table> Workable Area Co-ordinates <table border="1"> <tbody> <tr> <td>B</td><td>25°53'44.58"N</td><td>79°59'8.83"E</td></tr> <tr> <td>C</td><td>25°53'19.20"N</td><td>79°59'16.50"E</td></tr> <tr> <td>I</td><td>25°53'17.73"N</td><td>79°59'8.96"E</td></tr> <tr> <td>H</td><td>25°53'24.08"N</td><td>79°59'4.76"E</td></tr> <tr> <td>G</td><td>25°53'29.58"N</td><td>79°59'2.80"E</td></tr> <tr> <td>F</td><td>25°53'41.88"N</td><td>79°59'2.47"E</td></tr> </tbody> </table> Non-workable Area Co-ordinates <table border="1"> <tbody> <tr> <td>A</td><td>25°53'38.07"N</td><td>79°58'53.15"E</td></tr> <tr> <td>E</td><td>25°53'27.00"N</td><td>79°58'57.92"E</td></tr> <tr> <td>D</td><td>25°53'15.74"N</td><td>79°59'0.55"E</td></tr> <tr> <td>I</td><td>25°53'17.73"N</td><td>79°59'8.96"E</td></tr> <tr> <td>H</td><td>25°53'24.08"N</td><td>79°59'4.76"E</td></tr> <tr> <td>G</td><td>25°53'29.58"N</td><td>79°59'2.80"E</td></tr> <tr> <td>F</td><td>25°53'41.88"N</td><td>79°59'2.47"E</td></tr> </tbody> </table>	PILLAR NO.	LATITUDE	LONGITUDE	A	25°53'38.07"N	79°58'53.15"E	B	25°53'44.58"N	79°59'8.83"E	C	25°53'19.20"N	79°59'16.50"E	D	25°53'15.74"N	79°59'0.55"E	E	25°53'27.00"N	79°58'57.92"E	B	25°53'44.58"N	79°59'8.83"E	C	25°53'19.20"N	79°59'16.50"E	I	25°53'17.73"N	79°59'8.96"E	H	25°53'24.08"N	79°59'4.76"E	G	25°53'29.58"N	79°59'2.80"E	F	25°53'41.88"N	79°59'2.47"E	A	25°53'38.07"N	79°58'53.15"E	E	25°53'27.00"N	79°58'57.92"E	D	25°53'15.74"N	79°59'0.55"E	I	25°53'17.73"N	79°59'8.96"E	H	25°53'24.08"N	79°59'4.76"E	G	25°53'29.58"N	79°59'2.80"E	F	25°53'41.88"N	79°59'2.47"E
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15.	Total Geological Reserves	2,66,805 m ³																																																									
16.	Total Mineable Reserve (as per Approved)	1,11,425 m ³																																																									

	Mine Plan)		
17.	Total Proposed Production	1,11,425 m ³ in 6 Months	
18.	Proposed Production	1,11,425 m ³ in 6 Months	
19.	Sanctioned Period of Mine lease	6 Months	
20.	Method of Mining	Opencast, Semi-Mechanized	
21.	Working hours/day	8	
22.	No. of worker	41	
23.	Type of Land	Govt. land	
24.	Ultimate of Depth of Mining	Upto 0.65 m	
25.	Nearest metalled road from site	500 m	
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.41 KLD
		Suppression of dust	3.00 KLD
		Plantation	0.50 KLD
		Others (if any)	-
		Total	3.91 KLD
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	AWS Envirotech (OPC) Pvt. Ltd. Certificate no. NABET/EIA/2225/IA 0097(Rev.01) Valid Till July 14, 2025	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 51/khanij-M.M.C.-tees-vividh (2023-24) Dated on 19.04.2023	
30.	Details of Lease Area in approved DSR	Lease Area- 36.437 ha. Mentioned in Approved DSR at page no. 63, Sl no. 91	
31.	Proposed CER cost	Rs. 2.8 lakhs	
32.	Proposed EMP cost	EMP cost- 7.75 lakhs	
33.	Distance of Haul Road	500 m	
34.	No. of Trees to be Planted	250	

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

The consultant (EIA Coordinator) also submitted an affidavit dated 18/10/2023 mentioning is as follows:

- I Sandeep Kumar S/o Shri R.K. Verma is EIA Coordinator of M/s AWS Envirotech (OPC) Pvt. Ltd., Accreditation Certificate No- NABET/EIA/2225/IA 0097 (Rev.01) Valid Till July 14, 2025.
- I have prepared EIA/EMP report for the Proposal No SIA/UP/MIN/434150/2023 (File No.- 8038) Project Proponent- Shri Pramod Kumar Singh S/o Shri Malkhan Singh, R/o Hamirpur Road Pathanpura Kasba, Thana- Raath, District- Hamirpur, Uttar Pradesh with my team.
- I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
- I have satisfied with that all the necessary data/information required for TOR presentations are true and correct.
- I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
- I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
- I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.

8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 14

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-3 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. Project proponent should present latest drone videography (not older than 07 days) of the project site mentioning the date, time and geo coordinates at the time of EIA presentation.
2. Since no intimation letter has been submitted regarding collection of baseline monitoring data, hence monitoring data will be collected after issuance of ToR.
3. To ensure proper monitoring, the project proponent/consultant should provide evidence in form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
4. EIA coordinator & FAE should give a notarized affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
5. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
6. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
7. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
8. Combined KML of all mines in a cluster should be submitted at the time of EIA.
9. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
11. Proponent/Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
12. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
14. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
15. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

16. Proponent to submit latest status of project site along with the site photographs and also provide mined minerals record of the respective project site at the time of EIA presentation.

15. “Khandas-Boulder /Gitti-Ballast Mining Project” at Gata No - 643 (Khand No - 19), Village: Goramachiya, Tehsil: Sadar, District: Jhansi, Mr. Mayur Agarwal, Area: 2.023 Ha., 8028/6045/SIA/UP/MIN/435270/2023

RESOLUTION AGAINST AGENDA NO. 15

The committee noted that as per presentation and KML provided by the project proponent/consultant, some part of the mining lease area is accumulated with water. Hence, the committee recommended that the SEIAA may seek a factual report from District Magistrate, Jhansi regarding the feasibility of project along with the geo coordinates of accumulated water & latest site photographs.

**(Prof. Jaswant Singh)
Member**

**(Dr. Amrit Lal Haldar)
Member**

**(Dr. Dineshwar Prasad Singh)
Member**

**(Tanzar Ullah Khan)
Member**

**(Ashish Tiwari)
Member-Secretary**

**(Dr. Harikesh Bahadur Singh)
Chairman**

Nodal, SEAC-2

MoM prepared by Secretariat in consultation with
Chairman & Members on the basis of decisions
taken by SEAC-2 during the meeting.

Annexure-1

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 whichever is less. 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.

Annexure-2

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/mining plan whichever is earlier.
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 orders). 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., gutkha pouchs, 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.

Annexure-3

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.