

Minutes of 669th SEAC-2 Meeting Dated 28/06/2022

The 669th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 28/06/2022. Following members participated in the meeting:

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

The Chairman welcomed the members to the 669th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Stone (Sandstone)” Mining at Arazi No.-428, Village– Dhuria, Tehsil-Chunar, District–Mirzapur, Shri Chhatrabali Singh, Area 1.01 ha., File No. 7138/Proposal No. SIA/UP/MIN/77810/2022**

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

1. The terms of reference are sought for Building Stone (Sandstone) Mining at Araji/Gata no.- 428, Village-Dhuria, Tehsil-Chunar, District-Mirzapur, U.P., developed by Shri Chhatrabali Singh, (Leased Area-1.01 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/77810/2022
2.	File No. allotted by SEIAA, UP	7138
3.	Name of Proponent	Shri Chhatrabali Singh
4.	Full correspondence address of proponent and mobile no.	Shri Chhatrabali Singh
		R/o Ben Tiyyari, Chakia, Chandauli.
		Mobile no.-
5.	Name of Project	E-mail Id- chhatrabalisingh5418@gmail.com
		Building Stone (Sandstone) Mining
		Village –Dhuria, Tehsil- Chunar, District–Mirzapur, Uttar Pradesh
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 428, Village –Dhuria, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh
7.	Name of River	NA
8.	Name of Village	Dhuria
9.	Tehsil	Chunar
10.	District	Mirzapur
11.	Name of Minor Mineral	Building Stone (Sandstone) Mining

12.	Sanctioned Lease Area (in Ha.)	1.01 ha.																	
13.	Max. & Min mRL within lease area	Highest mRL is 130.0 & Lowest is 125.5mRL																	
14.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Pillars</th><th>N</th><th>E</th></tr><tr><td>A</td><td>25° 02'16.40"N</td><td>83°03'14.80"E</td></tr><tr><td>B</td><td>25° 02'19.20"N</td><td>83°03'15.30"E</td></tr><tr><td>C</td><td>25° 02'19.90"N</td><td>83°03'10.60"E</td></tr><tr><td>D</td><td>25° 02'16.70"N</td><td>83°03'11.09"E</td></tr></table>			Pillars	N	E	A	25° 02'16.40"N	83°03'14.80"E	B	25° 02'19.20"N	83°03'15.30"E	C	25° 02'19.90"N	83°03'10.60"E	D	25° 02'16.70"N	83°03'11.09"E
Pillars	N	E																	
A	25° 02'16.40"N	83°03'14.80"E																	
B	25° 02'19.20"N	83°03'15.30"E																	
C	25° 02'19.90"N	83°03'10.60"E																	
D	25° 02'16.70"N	83°03'11.09"E																	
15.	Total Geological Reserves	569955 m ³																	
16.	Total Mineable Reserve (as per Approved Mine Plan)	196741 m ³																	
17.	Total Proposed Production (In 5 Years)	151500 m ³ (In 5 Years)																	
18.	Proposed Production/year	30300 m ³ /year																	
19.	Sanctioned Period of Mine lease	20 years																	
20.	Method of Mining	Opencast, Semi-Mechanized																	
21.	No. of working days	300																	
22.	Working hours/day	8																	
23.	No. of worker	21																	
24.	No. of vehicles movement/day	06																	
25.	Type of Land	Revenue land																	
26.	Ultimate of Depth of Mining	98mRL																	
27.	Nearest metalled road from site	370m																	
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)															
		Drinking		0.21 KLD															
		Suppression of dust		1.48 KLD															
		Plantation		2.0 KLD															
		Others (if any)		-															
		Total		3.69 KLD															
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024																	
30.	Any litigation pending against the project or land in any court	No																	
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 8114/khanij/ 2022 dated 19.05.2022																	
32.	Details of Lease Area in approved DSR	1.01 ha.																	
33.	Proposed CER cost	Rs.4.0 Lakhs																	
34.	Proposed EMP cost	Total project cost- Rs. 2.0 Crore																	
35.	Length and breadth of Haul Road	370m & 6m																	
36.	No. of Trees to be Planted	300																	

- 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 an eco-fragile zone such as the habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 23/06/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared TOR application report for the (Proposal No. SIA/UP/MIN/77810/2022, Building Stone (sand stone) mine by Shri Chhatrabali Singh with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for TOR application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 01

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

Additional TOR:

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

2. Morrum Mining, at Gata No.-557, Village- Ramgarha, Tehsil- Madawara & District Lalitpur., Smt. Pankunvar Raja Bundela, M/s Rajmani Bundela Construction, Area 2.023 ha., File No. 7141/Proposal No. SIA/UP/MIN/276950/2022

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

1. The environmental clearance is sought for Red Morrum Mining at Araj/Gata no.- 557, Village-Ramgarha, Tehsil-Madawara, District-Lalitpur, U.P., M/s Rajmani Bundela Construction, (Leased Area-2.023 ha.).

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

1.	On-line proposal No.	SIA/UP/MIN/276950/2022																								
2.	File No. allotted by SEIAA, UP	7141																								
3.	Name of Proponent	M/s Rajmani Bundela Construction Smt. Pankunvar Raja Bundela																								
4.	Full correspondence address of proponent and mobile no.	R/o 85, Village-Ramgarha, Tehsil Madwara, District- Lalitpur, U.P. Mobile no.- E-mail Id- Rajmanibundela5418@gmail.com																								
5.	Name of Project	Red Morrum Mining Village –Ramgarha, Tehsil- Lalitpur, District– Lalitpur, Uttar Pradesh																								
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 557, Village –Ramgarha, Tehsil- Lalitpur, District–Lalitpur, Uttar Pradesh																								
7.	Name of River	NA																								
8.	Name of Village	Ramgarha																								
9.	Tehsil	Madawara																								
10.	District	Lalitpur																								
11.	Name of Minor Mineral	Red Morrum Mining																								
12.	Sanctioned Lease Area (in Ha.)	2.023 ha.																								
13.	Max. & Min mRL within lease area	Highest mRL is 372.4 & Lowest is 370.8mRL																								
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>24° 24'11.00"N</td><td>78°57'31.64"E</td></tr> <tr> <td>B</td><td>24° 24'10.84"N</td><td>78°57'33.31"E</td></tr> <tr> <td>C</td><td>24° 24'09.70"N</td><td>78°57'35.37"E</td></tr> <tr> <td>D</td><td>24° 24'07.25"N</td><td>78°57'37.57"E</td></tr> <tr> <td>E</td><td>24° 24'04.62"N</td><td>78°57'35.51"E</td></tr> <tr> <td>F</td><td>24° 24'05.49"N</td><td>78°57'33.80"E</td></tr> <tr> <td>G</td><td>24° 24'08.95"N</td><td>78°57'30.93"E</td></tr> </tbody> </table>	Pillar	N	E	A	24° 24'11.00"N	78°57'31.64"E	B	24° 24'10.84"N	78°57'33.31"E	C	24° 24'09.70"N	78°57'35.37"E	D	24° 24'07.25"N	78°57'37.57"E	E	24° 24'04.62"N	78°57'35.51"E	F	24° 24'05.49"N	78°57'33.80"E	G	24° 24'08.95"N	78°57'30.93"E
Pillar	N	E																								
A	24° 24'11.00"N	78°57'31.64"E																								
B	24° 24'10.84"N	78°57'33.31"E																								
C	24° 24'09.70"N	78°57'35.37"E																								
D	24° 24'07.25"N	78°57'37.57"E																								
E	24° 24'04.62"N	78°57'35.51"E																								
F	24° 24'05.49"N	78°57'33.80"E																								
G	24° 24'08.95"N	78°57'30.93"E																								
15.	Total Geological Reserves	868246 m ³																								
16.	Total Mineable Reserve (as per Approved Mine Plan)	397417 m ³																								
17.	Total Proposed Production (In 5 Years)	151725 m ³ (In 5 Years)																								
18.	Proposed Production/year	30345 m ³ /year																								
19.	Sanctioned Period of Mine lease	20 years																								
20.	Method of Mining	Opencast, Semi-Mechanized																								
21.	No. of working days	300																								
22.	Working hours/day	8																								
23.	No. of worker	52																								
24.	No. of vehicles movement/day	11																								
25.	Type of Land	Revenue land																								
26.	Ultimate of Depth of Mining	upto 330mRL																								

27.	Nearest metalled road from site	100m	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.52KLD
		Suppression of dust	0.4 KLD
		Plantation	0.6 KLD
		Others (if any)	-
		Total	1.52 KLD
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 193/30-Mines/2022-23 dated 02/06/2022	
32.	Details of Lease Area in approved DSR	2.023 ha.	
33.	Proposed CER cost	Rs. 2.2 Lakhs	
34.	Proposed EMP cost	Total project cost- Rs. 1.1 Crore	
35.	Length and breadth of Haul Road	100m & 6m	
36.	No. of Trees to be Planted	300	

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 23/06/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared TOR application report for the (Proposal No. SIA/UP/MIN/276950/2022, Red Morrum mine by M/s Rajmani Bundela Construction, Smt. Punkunvar Raja Bundela with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

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-3 to these minutes. The committee also stipulated the following specific conditions:

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. Link Road from the quarry site to the main road shall be metallized as an all-weather road with blacktopping and maintained by the project proponent.
5. 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.
6. The project proponent should explore the possibilities of rainwater harvesting.
7. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
8. 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.
9. As per the proposed plan, plantation with area specific plant species, number of plants to be planted.
10. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.

3. Stone (Khanda-Boulder/Gitti-Ballast) Mining at Arazi No.-287/5, Village-Ramgarha, Tehsil-Madawara, District-Lalitpur., Shri Pancham Singh Tomar, Area 1.214 Ha., File No. 7142/Proposal No. SIA/UP/MIN/276930/2022

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

1. The Environmental Clearance is sought for Building Stone (Khanda-Boulder/Gitti-Ballast) Mining at Araji/Gata no.- 287/5, Village-Ramgarha, Tehsil-Madawara, District-Lalitpur, U.P., (Leased Area-1.214 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/276930/2022			
2.	File No. allotted by SEIAA, UP	7142			
3.	Name of Proponent	Shri Pancham Singh Tomar			
4.	Full correspondence address of proponent and mobile no.	Shri Pancham Singh Tomar S/o Shri Lakhan Singh Tomar R/o Main Road 39 Chauka, Madawara, Lalitpur. Mobile no.- E-mail Id- panchamtomar5418@gmail.com			
5.	Name of Project	Building Stone (Khanda-Boulder/Gitti-Ballast) Mining Village –Ramgarha, Tehsil- Lalitpur, District–Lalitpur, Uttar Pradesh			
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 287/5, Village –Ramgarha, Tehsil-Lalitpur, District–Lalitpur, Uttar Pradesh			
7.	Name of River	NA			
8.	Name of Village	Ramgarha			
9.	Tehsil	Lalitpur			
10.	District	Lalitpur			
11.	Name of Minor Mineral	Building Stone (Khanda-Boulder/Gitti-Ballast) Mining			
12.	Sanctioned Lease Area (in Ha.)	1.214 ha.			
13.	Max. & Min mRL within lease area	Highest mRL is 362.8 & Lowest is 360.4mRL			
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <tr> <td>Pillar</td><td>N</td><td>E</td></tr> </table>	Pillar	N	E
Pillar	N	E			

		A	24° 24'28.23"N	78°58'00.84"E
		B	24° 24'26.89"N	78°58'05.06"E
		C	24° 24'25.55"N	78°58'05.24"E
		D	24° 24'23.30"N	78°58'04.43"E
		E	24° 24'24.82"N	78°58'01.23"E
15.	Total Geological Reserves	773364 m ³		
16.	Total Mineable Reserve (as per Approved Mine Plan)	294552 m ³		
17.	Total Proposed Production (In 5 Years)	91050 m ³ (In 5 Years)		
18.	Proposed Production/year	18210 m ³ /year		
19.	Sanctioned Period of Mine lease	20 years		
20.	Method of Mining	Opencast, Semi-Mechanized		
21.	No. of working days	300		
22.	Working hours/day	8		
23.	No. of worker	52		
24.	No. of vehicles movement/day	09		
25.	Type of Land	Revenue land		
26.	Ultimate of Depth of Mining	upto 320mRL		
27.	Nearest metalled road from site	190m		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.52KLD	
		Suppression of dust	0.76 KLD	
		Plantation	0.6 KLD	
		Others (if any)	-	
		Total	1.88 KLD	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 194/30-mines/2022-23 dated 02/06/2022		
32.	Details of Lease Area in approved DSR	1.214 ha.		
33.	Proposed CER cost	Rs. 2.16 Lakhs		
34.	Proposed EMP cost	Total project cost- Rs. 1.08 Crore		
35.	Length and breadth of Haul Road	190m & 6m		
36.	No. of Trees to be Planted	300		

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 23/06/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared EC application report for the (Proposal No. SIA/UP/MIN/276930/2022, Building Stone (Khanda-Boulder/Gitti Ballast) mine by Shri Pancham Singh Tomar with my team.

3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 03

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

4. Stone (Khanda-Boulder/Gitti-Ballast) Mining at Arazi No.-26, Khand-01, Village-Daulatpur, Tehsil-Mahroni, District-Lalitpur., Shri Brijendra Rai, M/s Trishira Material Supplier, Area 2.214 ha., File No. 7143/Proposal No. SIA/UP/MIN/276176/2022

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

1. The Environmental Clearance is sought for Building Stone (Khanda-Boulder/Gitti-Ballast) Mining at Araji/Gata no.- 26, khand-01, Village-Daulatpur, Tehsil-Mahroni, District-Lalitpur, U.P., M/s Trishira Material Supplier, (Leased Area-2.214 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/276176/2022															
2.	File No. allotted by SEIAA, UP	7143															
3.	Name of Proponent	M/s Trishira Material Supplier Shri Brijendra Rai S/o Shri K D Rai															
4.	Full correspondence address of proponent and mobile no.	Shri Brijendra Rai S/o Shri K D Rai R/o Vinod Kunj, Tigela, Jhansi Road, Tikamgarh, M.P. Permanent Address- Village- Chhilla, Thana- Banpur, Tehsil- Mahroni, District- Lalitpur, U.P. Mobile no.- E-mail Id- Trishiramaterialsupplier5418@gmail.com															
5.	Name of Project	Building Stone (Khanda-Boulder/Gitti-Ballast) Mining Village –Daulatpur, Tehsil- Lalitpur, District–Lalitpur, Uttar Pradesh															
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 26, khand-01, Village –Daulatpur, Tehsil-Lalitpur, District–Lalitpur, Uttar Pradesh															
7.	Name of River	NA															
8.	Name of Village	Daulatpur															
9.	Tehsil	Lalitpur															
10.	District	Lalitpur															
11.	Name of Minor Mineral	Building Stone (Khanda-Boulder/Gitti-Ballast) Mining															
12.	Sanctioned Lease Area (in Ha.)	2.214 ha.															
13.	Max. & Min mRL within lease area	Highest mRL is 348.8 & Lowest is 343.4mRL															
14.	Pillar Coordinates (Verified by DMO)	<table> <tr> <th>Pillar</th><th>N</th><th>E</th></tr> <tr> <td>A</td><td>24° 46'10.60"N</td><td>78°44'42.06"E</td></tr> <tr> <td>B</td><td>24° 46'12.34"N</td><td>78°44'51.26"E</td></tr> <tr> <td>C</td><td>24° 46'10.40"N</td><td>78°44'51.93"E</td></tr> <tr> <td>D</td><td>24° 46'07.21"N</td><td>78°44'43.84"E</td></tr> </table>	Pillar	N	E	A	24° 46'10.60"N	78°44'42.06"E	B	24° 46'12.34"N	78°44'51.26"E	C	24° 46'10.40"N	78°44'51.93"E	D	24° 46'07.21"N	78°44'43.84"E
Pillar	N	E															
A	24° 46'10.60"N	78°44'42.06"E															
B	24° 46'12.34"N	78°44'51.26"E															
C	24° 46'10.40"N	78°44'51.93"E															
D	24° 46'07.21"N	78°44'43.84"E															
15.	Total Geological Reserves	1171134 m ³															
16.	Total Mineable Reserve (as per Approved Mine Plan)	462888 m ³															
17.	Total Proposed Production (In 5 Years)	166050 m ³ (In 5 Years)															
18.	Proposed Production/year	33210 m ³ /year															
19.	Sanctioned Period of Mine lease	20 years															
20.	Method of Mining	Opencast, Semi-Mechanized															
21.	No. of working days	300															
22.	Working hours/day	8															
23.	No. of worker	52															
24.	No. of vehicles movement/day	15															
25.	Type of Land	Revenue land															
26.	Ultimate of Depth of Mining	upto 310mRL															

27.	Nearest metalled road from site	750m	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.52KLD
		Suppression of dust	3.0 KLD
		Plantation	0.6 KLD
		Others (if any)	-
		Total	4.12 KLD
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 190/30-mines/2022-23 dated 02/06/2022	
32.	Details of Lease Area in approved DSR	2.214 ha.	
33.	Proposed CER cost	Rs. 2.8 Lakhs	
34.	Proposed EMP cost	Total project cost- Rs. 1.4 Crore	
35.	Length and breadth of Haul Road	750m & 6m	
36.	No. of Trees to be Planted	300	

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 23/06/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared EC application report for the (Proposal No. SIA/UP/MIN/276176/2022, Building Stone (Khanda-Boulder/Gitti Ballast) mine by M/s Trishira Material Supplier, Shri Brijendra Rai with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EC application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

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-1 to these minutes. The committee also stipulated the following specific conditions:

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

5. Dolo Stone Mining at Arazi No. 5516Mi, 5517Mi, 5518, 5519Mi, 5521Mi, 5521Kha, 5522Mi, 5529Kha Mi, 5530, 5523, 5534, 5535, 5536, 5537Kha, 5537Ga, 5538, Village- Billi Markundi, Tehsil - Obra, District- Sonebhadra, Shri Shiv Charan Tripathi, Area-2.8787 Ha., File No. 7147/Proposal No. SIA/UP/MIN/78184/2022

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

1. The terms of reference are sought for Dolo Stone Mining at Arazi No.- 5516Mi, 5517Mi, 5518, 5519Mi, 5521Mi, 5521Kha, 5522Mi, 5529Kha Mi, 5530, 5523, 5534, 5535, 5536, 5537Kha, 5537Ga, 5538, Village- Billi Markundi, Tehsil - Obra, District- Sonebhadra, U.P., (Leased Area- 2.8787 Ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/78184/2022
2.	File No. allotted by SEIAA, UP	7147
3.	Name of Proponent	M/s A.S.L. Infracon Pvt. Ltd. Director- Shri Shiv Charan Tripathi
4.	Registered Address	R/O- Ward No.-05, Ramnath, District- Deoria, (U.P).

5.	Full correspondence address of proponent and mobile no.	R/O- Ward No.-05, Ramnath, District- Deoria, (U.P).			
		Mobile No.- 7800313156			
		E-mail ID- aslinfracon@gmail.com			
6.	Name of Project	Khanda Boulder (Dolo Stone) mining			
7.	Project location Khasra No	Araji No.– 5516Mi, 5517Mi, 5518, 5519Mi, 5521Mi, 5521Kha, 5522Mi, 5529Kha Mi, 5530, 5523, 5534, 5535, 5536, 5537Kha, 5537Ga, 5538			
8.	Name of Village	Billi Markundi			
9.	Tehsil	Obra			
10.	District	Sonebhadra			
11.	State	Uttar Pradesh			
12.	Name of Minor Mineral	Khanda Boulder (Dolo Stone)			
13.	Total Area (in Ha.)	2.8787 Hectares			
14.	Pillar Coordinates (Verified by DMO)		Pillar No.	N	E
			A	24°28'58.73"N	83° 0'5.87"E
			B	24°28'58.37"N	83° 0'6.65"E
			C	24°28'58.77"N	83° 0'8.20"E
			D	24°28'58.72"N	83° 0'9.04"E
			E	24°28'59.38"N	83° 0'8.86"E
			F	24°29'0.06"N	83° 0'9.29"E
			G	24°28'59.83"N	83° 0'9.99"E
			H	24°28'56.27"N	83° 0'8.65"E
			I	24°28'55.69"N	83° 0'10.42"E
			J	24°28'53.88"N	83° 0'9.42"E
			K	24°28'53.66"N	83° 0'10.21"E
			L	24°28'54.37"N	83° 0'10.55"E
			M	24°28'54.03"N	83° 0'11.37"E
			N	24°28'54.89"N	83° 0'11.86"E
			O	24°28'54.19"N	83° 0'13.18"E
			P	24°28'53.23"N	83° 0'14.87"E
			Q	24°28'53.43"N	83° 0'15.81"E
			R	24°28'54.54"N	83° 0'16.19"E
			S	24°28'54.27"N	83° 0'16.76"E
			T	24°28'53.40"N	83° 0'16.55"E
	U	24°28'53.12"N	83° 0'14.81"E		
	V	24°28'51.63"N	83° 0'13.55"E		
	W	24°28'52.40"N	83° 0'11.96"E		
	X	24°28'51.97"N	83° 0'11.68"E		
	Y	24°28'52.55"N	83° 0'10.03"E		
	Z	24°28'56.01"N	83° 0'4.46"E		
15.	Mine Plan approval details	Letter No.- 2022/5/25/126004 Dated- 02/06/2022			
16.	Validity of Mine Plan	5 Years			
17.	Total Proposed Production/Year	86361 Cum/Year (according to as per LOI).			
18.	Total mineable reserves	739971 Cum			
19.	Total geological reserves	1451565 Cum			
20.	Method of Mining	Opencast, Semi mechanized Method			
21.	No. of workers	42 Workers			
22.	Type of Land	Private land			
23.	Ultimate Depth of Mining	12.0 m			
24.	Water Requirement		Purpose	Detail	Avg. Demand/Day
		Portable Tanker	Drinking@15 lpcd/worker	42 workers x 15 lpcd = 630 lpcd	0.630 KLD
			Mine operation/others	-	2.0 KLD

		Land reclamation / plantation @5 Lit/Tree	100Trees x 5 lpcd = 500 lpcd	0.50KLD
		Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area = (190 m Length x 6m Width = 1140 m ²) x2lpcd/Sq.m = 2280 lpcd	2.28 KLD
		Total		5.41 KLD
25.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024		
26.	Any litigation pending against the project or land in any court	No		
27.	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None		
28.	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	There are numbers of areas occupied by sensitive man made land uses within 15 km of radius Only schools, small hospital and temples are present.		
29.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 389/Khanij/2022, Dated 11-05-2022		
30.	Proposed CER cost	Rs. 3.845 Lakhs		
31.	Proposed EMP cost	Rs. 7.525 Lakhs		
32.	No. of Trees to be Planted.	500		
33.	Detail of CTE/CTO issued by UPPCB	NA		

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 an eco-fragile zone such as the 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 27/06/2022 mentioning is as follows:

1. I Brij Mohan Singh S/o Shri K.S. Negi is EIA Coordinator of Earthvision India Associate Consultants, Lucknow.
2. I have prepared TOR report for the (Proposal No. SIA/UP/MIN/78184/2022 of M/s A.S.L. Infracon Pvt. Ltd. with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for TOR application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.

6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 05

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
 2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
 3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
 4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
 5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
 6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
 7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
 8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
 9. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road. Link Road from the quarry site to the main road shall be metallized as an all-weather road with blacktopping and maintained by the project proponent.
 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
 11. The project proponent should explore the possibilities of rainwater harvesting.
 12. The project proponent should do a joint agreement for Haulage road maintenance along with the other units in the cluster area and provide a copy of the same to the Directorate.
6. **Stone (Sand stone) Mining at Gata No.-519, Village– Ghasipur, Tehsil-Chunar, District–Mirzapur, Shri Manish Kumar, Area:2.02 ha., File No. 7150/6222/Proposal No. SIA/UP/MIN/78282/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 519, Village-Ghasipur, Tehsil-Chunar, District-Mirzapur, U.P., M/s Divyansh Enterprises, (Leased Area-2.02 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 462/Parya/SEIAA/6222/2021, dated 21/02/2022.
3. The public hearing was organized on 28/04/2022. Final EIA report submitted by the project proponent on 13/06/2022.
4. Salient features of the project as submitted by the project proponent:

1.	File No. allotted by SEIAA, UP	SIA/UP/MIN/78282/2021		
2.	Name of Proponent	M/s Divyansh Enterprises Proponent- Shri Manish Kumar		
3.	Full correspondence address of proponent and mobile no.	M/s Divyansh Enterprises R/o Ward no. 23, Near Main Market, Ahraura, Tehsil- Chunar, Mirzapur.		
		Mobile no.-		
		E-mail Id- manish541818@gmail.com		
4.	Name of Project	Building Stone (Sandstone) Mining Village –Ghasipur, Tehsil- Chunar, District–Mirzapur, Uttar Pradesh		
5.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 519, Village –Ghasipur, Tehsil-Chunar, District– Mirzapur, Uttar Pradesh		
6.	Name of River	NA		
7.	Name of Village	Ghasipur		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	Building Stone(Sandstone) Mining		
11.	Sanctioned Lease Area (in Ha.)	2.02 ha.		
12.	Max. & Min mRL within lease area	Highest mRL is 112.6 SE & Lowest Is 105mRL NW		
13.	Pillar Coordinates (Verified by DMO)	Pillar	N	E
		A	25° 04'05.9"N	82°59'45.4"E
		B	25° 04'05.7"N	82°59'48.5"E
		C	25° 03'59.5"N	82°59'49.7"E
		D	25° 03'59.7"N	82°59'45.5"E
14.	Total Geological Reserves	1512375 m ³		
15.	Total Mineable Reserve (as per Approved Mine Plan)	582210 m ³		
16.	Total Proposed Production	60600 m ³ /year		
17.	Proposed Production /year	60600 m ³ /year		
18.	Sanctioned Period of Mine lease	2.02 ha.		
19.	Method of Mining	Opencast, Semi-Mechanized		
20.	No. of working days	275		
21.	Working hours/day	8		
22.	No. of worker	21		
23.	No. of vehicles movement/day	17		
24.	Type of Land	Revenue land		
25.	Ultimate of Depth of Mining	70mRL		
26.	Nearest metalled road from site	610m		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.63 KLD	
		Suppression of dust	2.44 KLD	
		Plantation	0.4 KLD	
		Others (if any)	-	

		Total	3.47 KLD
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024	
29.	Any litigation pending against the project or land in any court	No	
30.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1398/khanij/sl no./2020	
31.	Details of Lease Area in approved DSR	2.02 ha.	
32.	Proposed CER cost	Rs 2.2 Lakhs	
33.	Proposed EMP cost	Total project cost-1.1 Cr	
34.	Length and breadth of Haul Road	610m & 6m	
35.	No. of Trees to be Planted	200	

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

The consultant (EIA Coordinator) also submitted an affidavit dated 25/06/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared report for EIA/EMP report for the (Proposal No. SIA/UP/MIN/78282/2021, Building Stone (sand stone) mine by M/s Divyansh Enterprises, Shri Manish Kumar with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 06

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. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.

3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
 4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
 5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
 6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
 7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
 8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
 9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
 11. The project proponent should explore the possibilities of rainwater harvesting.
7. **Establishment of New B-heavy Molasses / Sugar Syrup or C-heavy Molasses based distillery having capacity: 100 KLD along with 2.5 MW co gen power at khasra no 1237, 1244, 1238, 1240, 1241, 1243, Village: Mugalpur Urf Agwanpur Mustahk, Tehsil & Distt: Moradabad.,Shri Atul Goyal., M/s Dewan Sugar Ltd., File No. 6348/Proposal No. SIA/UP/IND2/63004/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental & 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 environmental clearance is sought for Establishment of New B-heavy Molasses / Sugar Syrup or C-heavy Molasses based distillery having capacity: 100 KLD along with 2.5 MW co gen power at khasra no 1237, 1244, 1238, 1240, 1241, 1243, Village: Mugalpur Urf Agwanpur Mustahk, Tehsil & Distt: Moradabad, U.P., M/s Dewan Sugar Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 188/Parya/SEIAA/6348/2021 dated 14/09/2021.
3. The public hearing was organized on 05/05/2022. Final EIA report submitted by the project proponent on 18/06/2022.
4. Salient features of the project as submitted by the project proponent:

S. N.	Attributes	Proposed Distillery Unit
1	Proposed capacity of Plant	Molasses based Distillery plant of capacity : 100 KLD

2	Co gen Power	2.5 MW		
3	Total project area	4.682 Hectare		
4	Total project cost	12500.00 Lakhs		
5	No of working days	365 Days /Annum		
7	Power Requirement	2200 KWH Source – Co Generation Power Plant 2.5 MW		
6	Raw material and its Quantity	(Mode – 1) B- heavy Molasses based	(Mode – 2) Sugar Syrup based	(Mode – 3) C- heavy Molasses based
		317 MT/Day	302 MT/Day	326 MT/Day
8	Steam Requirement	25.0 TPH	22.5 TPH	27.3 TPH
9	Fuel Requirement	Slop: 131 TPD. Bagasse / Other Biomass: 160 TPD.	Slop: 54 TPD. Bagasse/Other Biomass: 175 TPD.	Slop: 257 TPD. Bagasse/Other Biomass: 77 TPD.
10	Boiler Detail	Proposed : 01 no of 32 TPH		
11	Man Power Requirement	150 Number out of which 100 contract labour.		
12	Fresh /Water Requirement	(Mode – 1) B- heavy Molasses based	(Mode – 2) Sugar Syrup based	(Mode – 3) C- heavy Molasses based
		560 KLD (@ 5.6 KL / KL of Products)	500 KLD (@ 5 KL / KL of Products)	800 KLD (@ 8 KL / KL of products)
		Domestic Use:	20 KLD	
		Source: Ground Water		
13	Waste Water Generation	Max. Spent wash : 800 KLD (@ 8.0 KL/KL of Product) Treatment : Concentration and Incineration (Zero Liquid Discharge)		
14	Treatment Technology	To ensure Zero Discharge effluent industry, Industry has decided to treat Spent wash through Multi effect evaporator then concentrate from MEE will be incinerated in SLOP fired Boiler of capacity 32 TPH (01 No).		
15	Air Pollution Control Equipment	ESP will be installed with 32 TPH boiler .		

5. Land use details:

Sr No	Land use	Area (sqm)	Area in %
1	Roof Top	3745.60	8
2	Green Belt	15450.60	33
3	Road and Paved	4682.00	10
4	Open area	22941.80	49
Grand Total		46820.00	100

6. Raw material details:

Sr. No.	Particular	Quantity, MT/Day	Storage	Source of raw material & Mode of Transportation
Mode – 1, B - heavy molasses based				
1.	Molasses (B heavy)	317 MT/Day	30 Days	Adjacent sugar mill. Through Pipelines.
Or				
Mode – 2, Sugar Syrup based				
	Sugar Syrup	302 MT/Day	24 hour	Adjacent sugar mill. Through Pipelines.
Or				
Mode – 3, C - heavy molasses based				
1.	Molasses (C heavy)	326 MT/Day	30 Days	Nearby market and truck will be used for transportation.
2.	Other Chemicals			
	Sulphuric Acid	150 kg/Day	15 Days	Nearby Market by Truck. 15 Days storage will be provided.
	Sodium Hydroxide (Caustic)	240 Kg/Day	15 Days	
	Enzymes	80 kg/Day	15 Days	
	NH ₂ -CO- NH ₃	300 kg/Day	15 Days	

	(Nutrient: 46% N ₂)			
	Antifoam Agent	25 kg/Day	15 Days	

7. Water requirement details;

Particular	Quantity	Remarks
Total Water Requirement	3251.0 KLD	Maximum fresh water requirement of water in day will be 800 KLD.
Total treated and process water for recycling	2451.0 KLD	
Fresh Water Requirement	800.0 KLD	
Domestic water requirement	20.0 KLD	
Source of Water	Ground Water through tube well	Application is under process.
Industrial Waste Water Generation (Spent wash)	800.0 KLD	Spent wash will be concentrated in MEE and concentrated Slop will be used as fuel along with bagasse in 32 TPH boiler.
Domestic Waste Water Generation	12.0 KLD	Domestic waste water will be disposed through sewage treatment plant.
Other Effluent Generation	890 KLD	Other effluent includes MEE Condensate, Spent Lees, Floor Washing , Blowdowns from CT and Boiler etc. will be treated in Condensate Polishing unit (CPU) .

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

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with following standard environmental clearance conditions:

I. Statutory compliance:

- 45 days 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 60 days for a record.
- 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.
- The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- 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).
- 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.
- The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989

as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

II. Air quality monitoring and preservation:

1. 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 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.
2. 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 PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. 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.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

III. Water quality monitoring and preservation:

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge (ZLD) shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned

regulatory authority/CGWA in this regard.

6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film dryer). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

IV. Noise monitoring and prevention:

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. 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:

1. The energy sources for lighting purposes shall preferably be LED based.

VI. Waste management:

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
 - iii. Metering and control of quantities of active ingredients to minimize waste .
 - iv. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - v. Use of automated filling to minimize spillage.
 - vi. Use of Close Feed system into batch reactors.
 - vii. Venting equipment through vapour recovery system.
 - viii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

VII. Green Belt:

1. 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.

VIII. Safety, Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
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, creche 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 and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of

vehicles for raw materials and finished products, and no parking to be allowed outside on public places

IX. 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 I 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 a 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.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

1. 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.
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 monitor the criteria pollutants level namely; PM10, SO2, NOx (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.
5. 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.
6. 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.
7. 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.

8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. 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.
10. 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).
11. 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.
12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary.
14. The Company in a time bound manner shall implement these conditions.
15. 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.
16. 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.
17. 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.

(Prof. Jaswant Singh)
Member, SEAC-2

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

(Ashish Tiwari)
Member-Secretary, SEAC-2

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

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 (AprilMay), 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

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

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including

deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 22) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

- 25) Description of water conservation measures proposed to be adopted in the Project should be given.
- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 30) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 31) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 32) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 33) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 36) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 37) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 38) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 39) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 40) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

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

Annexure-3

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 Parishad/ 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 less.
2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakkamotorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.

13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 05 ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 05 ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.

33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkha pouches, plastic bags, glasses etc. to be generated during project activity will be separately stored 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.