

Minutes of 804th SEAC-2 Meeting Dated 31/10/2023

The 804th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 31/10/2023. Following members participated in the meeting:

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

The Chairman welcomed the members to the 804th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director, Directorate of Environment. Nodal Officer, SEAC-2 placed the agenda items along with the file and documents before the SEAC-2.

1. “Desired Life ‘ZOE’ at Block-2, IT Park-II, Commercial Zone, Sushant Golf City, Sultanpur Road, Lucknow, Shri Sunil Kumar Singh., 8350/SIA/UP/INFRA2/446773/2023

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s ENV Developmental Assistance Systems (India) Pvt. Ltd. As per the presentation it is a case of violation category but in the presentation proponent/consultant has not provided the details as per the SoP for Identification and Handling of violation case under the EIA notification 2006. The Committee Member raises the queries related to the proposed project. PP/Consultant could not reply satisfactorily. PP/consultant has assured that they will submit the documents/information as per committee instructions. The committee directed the project proponent to submit following information:

1. Proponent/consultant to submit the documents/action plan in compliance of MoEF & CC Office Memorandum dated 07th July 2021 which are as follows:
 - I. Project proponent should submit the cost incurred/investment in project as on date of filing application against the total cost of project to be certified by the Govt. authorized valuer.
 - II. Revised assessment of ecological damage, remediation plan and natural and the community resource augmentation plan and it shall be prepared as an independent chapter in the environment impact assessment report by the accredited consultants, and the collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan shall be done by an environmental laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories, or a laboratory of the Council of Scientific and Industrial Research institution working in the field of environment.
 - III. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
2. PP/consultant shall revise Form-1 as per the proposed proposal and also provide the information of the name of consultant/project proponent in point no. 5 of Form-1.
3. Revised Plan for parking along with electric vehicle charging facility in the premises.

4. Revised layout plan of proposed project which indicate the location of STP,OWC, DG Set and other utilities to be indicated in layout plan with required area of each activity to be submitted
5. The project proponent submit the revised working plan of plantation/green belt development showing type of plant species and their spacing in consultation with subject expert in the light of CPCB/Development Authority Guideline for Green belt development
6. The PP/Consultant shall prepare action plan to ensure full exploitation of potential of rain water harvesting for storage and recharging and also treated wastewater in order to reduce the withdrawal of fresh water and accordingly use the three sources of water supply namely stored rain water, treated wastewater and the fresh water and submit a revised water balance flow diagram in view of the above sources.
7. The project proponent will prepare action plan to ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prepare to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change
8. Revised Proposal for Sewage Treatment Plant (STP) and Municipal solid waste treatment for disposal and treatment specific to the proposed project
9. Provide the details of water requirement with supply source for construction of project. Submit the MoU/NOC of concerned authority for meeting the water requirement.
10. Revised Corporate Environment Responsibility (CER) as per the MoEF & CC, Govt of India guidelines.
11. Provide the Latest photographs of the project site along with date, time and geo coordinates.
12. The project proponent shall plan for stormwater management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time.

The matter will be discussed after submission of above information on prescribed portal.

2. Building Stone/ (Khandas, Boulder, Gitti)” Mining Project Araj No.- 23, Khand No- 06, Village: Dasna, Tehsil: Moth, District: Jhansi, State: Uttar Pradesh, Area: 2.00 Ha, 8352/7494/SIA/UP/MIN/448390/2023

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

1. The environmental clearance is sought for Building Stone (Khanda, Boulder, Ballast) Mining Project at Araj No.- 23, Khand No.- 06, Village-Dasna, Tehsil-Moth, District-Jhansi, State: Uttar Pradesh (Leased Area 2.0 Ha).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 394/Parya/ SEIAA/7494/2022, Dated 24/03/2023.
3. The Public Hearing was organized on 18/08/2023. Final EIA report submitted by the project proponent on 11/10/2023.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/448390/2023
2.	File no. allotted by SEIAA,UP	8352-7494
3.	Name of Proponent	Shri. Mahendra Pratap Singh S/o Shri Lalaram
4.	Full correspondence address of proponent and mobile no.	R/o- Village- Barthari, Kumhrar, Tehsil- Moth, District: Jhansi, U. P.
5.	Name of Project	Building Stone (Khanda, Boulder, Ballast) Mine
6.	Project location (Plot/Khasra/Gata No.)	Araj No. 23, Khand No. 06
7.	Name of Village	Dasna
8.	Tehsil	Moth
9.	District	Jhansi , U.P.
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Ballast)

11.	Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.0 ha		
12.	Max. & Min mRL within lease area	Highest Point :220 mRL Lowest Point :184 mRL		
13.	Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate		
		Pillars	Pillars	Pillars
		A	25°43'11.52"N	78°46'35.68"E
		B	25°43'19.02"N	78°46'35.22"E
		C	25°43'19.02"N	78°46'38.30"E
		D	25°43'11.71"N	78°46'38.84" E
14.	Total Geological Reserves	7,35,570 m ³		
15.	Total Mineable Reserves	5,11,523 m ³		
16.	Total Proposed Production (in five years)	2,50,000 m ³		
17.	Proposed Production/year	50,000 m ³ per annum		
18.	Sanctioned Period of Mine lease	20 years		
19.	No. Of Workers	38		
20.	Type of Land	State Government Land		
21.	Ultimate Depth of Mining	36m (220 -184mRL) (Source: Approved Mining Plan)		
22.	Nearest metalled road from site	1540 m		
23.	Water Requirement	Purpose	Requirement (KLD)	
		Drinking	0.190	
		Suppression of Dust	10.780	
		Plantation	4.0	
		Total	14.970	
24.	Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/2124/RA0245, Validity Till August 24/2024		
25.	Any litigation pending against the project or hand in any court	No		
26.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi Letter No. 994/ 30एम. एम. सी/ 2022-23 dated 29.09.2022.		
27.	Details of Lease Area in approved DSR	Amendment DSR Letter No- 713/30M.M.C./D.S.R./2020-21, dated- 31/07/2020, Sr. No. 55		
28.	Proposed EMP Cost	Rs. 26.63Lakhs		
29.	Length and width of Haul Road	Haul Road Length 1540 m & Width 7 m		
30.	No. of Trees to be Planted	2000 Trees		
31.	Monitoring Period	March 2023 to May 2023		

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

The consultant (EIA Coordinator) also submitted an affidavit dated 30/10/2023 mentioning is as follows:

- I Mr. Akhilesh Gupta S/o Sri. Omkar Gupta is EIA Coordinator of M/s Globus Environment Engineering Services.
- I have prepared the EIA/EMP report for the Proposal (SIA/UP/MIN/448390/2023) in Name of “Building Stone (Khand, Boulder, Ballast) Mining Project at Araji No. 23, Khand No. 06, Area: 2.0 Ha, Village-Dasna, Tehsil-Moth, District-Jhansi, State: Uttar Pradesh with my team.
- I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.

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

RESOLUTION AGAINST AGENDA NO. 02

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

1. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.
2. The project proponent shall install solar light in their site office.
3. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
6. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3 years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.

10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
13. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
14. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
15. As per the proposed plan, plantation with area specific plant species, number of plants to be Planted and report of green belt development to be submitted to the Forest Department, UPPCB and Directorate of Environment, UP.

3. “Building Stone Khanda, Boulders, Ballast (Gitti) Mining Project” at Gata No. 339 (Khand-18 Naya), Mining Village- Daharra, Tehsil- Sadar, District-Mahoba, Shri Mujeeb Uddin Siddiqui, Area- 1.214 ha., 8354/SIA/UP/MIN/448494/2023

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

1. The terms of reference is sought for “Building Stone Khanda, Boulders, Ballast (Gitti) Mining Project” at Gata No.- 339 (Khand-18 Naya), Mining Village- Daharra, Tehsil- Sadar, District- Mahoba, 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/448494/2023		
2.	File no. allotted by SEIAA, UP	8354		
3.	Name of proponent	Proponent- Shri Mujeeb Uddin Siddiqui S/O Shri Zamir Uddin Siddiqui		
4.	Full correspondence address of proponent.	R/O-493 Khairpar, Thana- Kotwali, District- Banda (U.P.)- 210001		
5.	Name of Project	Building Stone Granite (Khanda, Boulder,Ballast (Gitty) Mine		
6.	Project location (Plot / Khasra / Gata No.)	Gata No. 339 (Khand-18 Naya)		
7.	Name of Village	Daharra		
8.	Tehsil	Mahoba		
9.	District.	Mahoba (U.P)		
10.	Name of Minor Mineral	Building Stone Granite (Khanda, Boulder,Ballast (Gitty) Mine		
11.	Sanction Lease Area (in Ha.)	1.214 Ha.		
12.	Max. & Min mRL within lease area	Maximum Elevation: 232 mRL, Minimum Elevation: 195 mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
		A	25°20'18.58"N	79°57'48.55"E
		B	25°20'19.17"N	79°57'49.55"E
		C	25°20'8.89"N	79°58'2.00"E
		D	25°20'8.95"N	79°58'0.93"E
14.	Total Geological Reserves	255175 m ³		
15.	Total Mineable Reserves	101221 for 5 years		
16.	Total Proposed Production (in Five year)	100000 m ³ in 5 years		
17.	Proposed production / year	20000 m ³ per year		

18.	Sanction Period of Mine lease	10 Years as per LOI	
19.	No. of workers	Approximately 35 workers	
20.	Type of Land	Government Land	
21.	Ultimate depth of mining	18.0 m for Five years as per approved mining plan	
22.	Nearest metalled road from Site	Kulpahar-Mahoba-Rath NH- 76 is about 1.12 km towards South direction..	
23.	Water requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking water	0.45 KLD
		Dust suppression	2.7 KLD
		Plantation	2.0 KLD
		Others (if any)	-
		Total	5.15 KLD approx.
24.	Name of QCI Accredited Consultant with QCI No. and period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/ EIA/ 1922/RA 0200 (REV-01) Valid up to 21/01/2024.	
25.	Any litigation pending against the project or land in any court.	No	
26.	Detail of 500 m Cluster certificate verified by mining officer	Cluster Certificate vide letter No. 968/एम०एम०सी०-30/2023-24 dated 26.08.2023	
27.	Detail of Lease Area in approved DSR	In DSR lease details are given in Page no 85 Sl.No.54	
28.	Proposed EMP cost	Rs 14,94,210-	
29.	Length and width of Haul Road	300m length and 6m width	
30.	No. of Trees to be planted.	2000	
31.	Monitoring Period.	01/03/2021 to 31/05/2021	

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 29/10/2023 mentioning is as follows:

1. I Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No- NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared TOR report for the Proposal No. SIA/UP/MIN/448494/2023, File No. 8354, Building Stone Granite (Khanda, Boulder,Ballast (Gitty) Mine Gata No. 339, Khand No. -18 Naya Village- Daharra, Tehsil & District- Mahoba, Uttar Pradesh Total lease Area- 1.2140 Ha Project Proponent- Shri Mujeeb Uddin Siddiqui S/O Shri Zamir Uddin Siddiqui R/O-493 Khairpar, Thana- Kotwali, District- Banda (U.P.)-210001 with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for TOR presentations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.

7. The TOR report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 03

The committee discussed the matter and recommended 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 form of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc. Proprietor/proprietor representative should be present at the time of monitoring and monitoring should be conducted as per CPCB SOP/NABET/QCI guidelines. Lab responsible person should be present at the time of EIA presentation.
2. EIA coordinator & FAE should give a notarized affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. The project proponent will have to inform the schedule of monitoring/data collection programme to the SEIAA/SEAC, UP before start of data collection. In case of failure, the collected baseline monitoring data will be treated as null and void.
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. Original lab analysis report of the project proposal along with EIA report should be uploaded on Parivesh Portal.
6. Combined KML of all mines in a cluster should be submitted at the time of EIA.
7. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.
14. Proponent to submit latest status of project site along with the site photographs and also provide mined minerals record of the respective project site at the time of EIA presentation.

4. Ordinary Sand Mining at Yamuna Riverbed Gata No.- 21, Village-Aadampur (Madaripur) to Sadiyapur, Tehsil- Sadar, District- Prayagraj, Shri Ratan Kumar Nishad, Area: 5.00 Ha., 8356/SIA/UP/MIN/448572/2023

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

1. The environmental clearance is sought for Ordinary Sand Mining at Yamuna Riverbed Gata No.- 21, Village-Aadampur (Madaripur) to Sadiyapur, Tehsil- Sadar, District- Prayagraj, U.P., (Leased Area: 5.00 Ha.).

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

1.	On Line Proposal No.	SIA/UP/MIN/448572/2023		
2.	File No. Allotted By SEIAA, UP	8356		
3.	Name Of Proponent	“M/S Ram Ratan Construction” Shri Ratan Kumar Nishad S/o Late Lallu Lal		
4.	Full Correspondence Address Of Proponent	R/o: 6/41 New Jhushi Bajar, Thana- Jhushi, Tehsil- Phulpur, Prayagraj, U.P.		
5.	Name Of Project	Ordinary Sand Mining at Yamuna River Bed		
6.	Project Location(Plot/Khasra/Gata No.)	Ordinary Sand Mining at Yamuna River Bed over and area of 5.0 Ha at Gata No- 21, Village-Aadampur (Madaripur) to Sadiyapur, Tehsil-Sadar, District-Prayagraj, U.P.		
7.	Name of River	Yamuna River		
8.	Name of Village	Aadampur (Madaripur) to Sadiyapur		
9.	Tehsil	Sadar		
10.	District	Prayagraj, U.P.		
11.	Name Of Minor Mineral	Ordinary Sand		
12.	Sanctioned Lease Area	5.0Ha.		
13.	Mineable Area	5.0 Ha.		
14.	Max. & Min mRL Within Lease Area	75 mRL-71.0mRL		
15.	Pillar Coordinates (Verified By DMO)	Boundary Point	Latitude (N)	Longitude (E)
		A	25°20.053’	81°48.468’
		B	25°20.026’	81°48.523’
		C	25°20.176’	81°48.603’
		D	25°20.204’	81°48.550’
16.	Total Geological Reserve	25,000 Cu.m		
17.	Mineable Reserve	15,000 Cu.m		
18.	Total Proposed Production as per LOI	15,000 Cu.m per year		
19.	Annual Proposed Production	15,000 Cu.m per year		
20.	Proposed Production	15,000 Cu.m per year		
21.	Sanctioned Period Of Mine Lease	05 Years		
22.	Method of Mining	Open cast- Semi Mechanized Method		
23.	No. of Workers	12		
24.	Type of Land	Government land River Bed		
25.	Ultimate Depth of Mining	3.0 m or above the ground water table whichever comes first		
26.	Nearest Metalled Road From Site	NH-35		
27.	Water Requirement	4.46 KLD		
28.	Name of The QCI Accredited Consultant With QCI No. And PeriodOf Validity	GEOGREEN ENVIRO HOUSE PVT LTD NABET/EIA/2124/RA0215 Valid till 24 Feb, 2024		
29.	Any Litigation Pending Against The Project Or Land In Any Court.	No		
30.	Details Of 500m Cluster Map &	1627/Khanij/2023-2024 Dated- 20/09/2023		

	Certificate Verified By Mining Officer	
31.	Details Of LOI	2073/Khanij/2020-2021 Dated 24/12/2020
32.	Details Of Lease Area In Approved	Gata no. -21

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 30/10/2023 mentioning is as follows:

1. I, Vijay Kumar Mishra, S/o Shri Akhila Nand Mishra is EIA Coordinator of M/s Geogreen Enviro House Pvt. Ltd.
2. I have prepared EIA/EMP report for the Proposal No. SIA/UP/MIN/448572/2023 (File No. - 8356) Project name Ordinary Sand Mining at Yamuna Riverbed Gata No.- 21, Village-Aadampur (Madaripur) to Sadiyapur, Tehsil- Sadar, District- Prayagraj, U.P., (Leased Area: 5.00 Ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 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-3 to these minutes. The committee also stipulated the following additional conditions:

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

the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.

4. The project proponent shall install solar light in their site office.
5. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
7. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
8. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

5. Group Housing Project “Sobti Sapphire” at Gata No.- 47, 66Mi, 67Mi, 106Mi, 110Mi, 113Mi, 140Mi, 142Mi, 143Mi, Village- Dibdiba, Tehsil – Bilaspur, District – Rampur, Shri Charan Pal Singh Sobti, M/s Sobti Buildwell Limited., 8358/SIA/UP/INFRA2/448644/2023

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

1. The environmental clearance is sought for Group Housing Project “Sobti Sapphire” at Gata No. 47, 66Mi, 67Mi, 106Mi, 110Mi, 113Mi, 140Mi, 142Mi, 143Mi, Village- Dibdiba, Tehsil – Bilaspur, District – Rampur, U.P., M/s Sobti Buildwell Limited.

2. Project brief:

Nature of project	Group Housing Project
Size of project	Total Plot Area: 49106.874 sqm Built-up Area: 73330.270 sqm Proposed Ground Coverage: 14061.880 sqm Achieved F.A.R.: 52716.981 sqm
Location of project	Gata No. 47, 66Mi, 67Mi, 106Mi, 110Mi, 113Mi, 140Mi, 142Mi, 143Mi, village- Dibdiba, Tehsil – Bilaspur, District – Rampur, Uttar Pradesh
Geographical Extent	Latitude: 28°58'25.49"N Longitude: 79°21'59.01"E Maximum elevation above MSL - 238 m
Land Use	The total plot area for the development of proposed group housing project is 49106.874 sqm. The proposed project site is under the jurisdiction of Zila Panchayat Rampur and is land use has been duly converted to residential land use.
Land Acquisition details	The total project area is 49106.874 sqm and it is already owned by the Company.
Approval by Town Planning Authority	The layout and building plans has been approved by Zila Panchayat Rampur
Structural Design certificate	Structural drawing and Design Certificate Vetted by IIT, Roorkee, Uttarakhand

Total Cost of the project		87.0 crores
3. Salient features of the project:		
S.No.	Description	Area/Unit
1.	Total Plot Area	49106.874 sqm
2.	Permissible Ground Coverage [@ 35% of Plot Area]	17187.406 sqm
3.	Proposed Ground Coverage [@ 29% of Plot Area]	14061.880 sqm
4.	Permissible F.A.R. @1.5	73660.311 sqm
5.	Proposed F.A.R. @ 1.074	52716.981 sqm
6.	Total No of units in Tower A	56
7.	Total No of units in Tower B	56
8.	Total No of units in Tower C	53
9.	Total No. of units in Villa type A	12
10.	Total No. of units in Villa type B	24
11.	Total No. of units in Villa type C	15
12.	Total Built-up Area	73330.270 sqm
WATER REQUIREMENT		
13.	Total Water Demand	123 KLD
14.	Fresh water requirement	72 KLD
15.	Flushing/Recycled water requirement	50 KLD
16.	Waste water generated	78 KLD
17.	Sewage Treatment Plant	100 KLD
RAIN WATER HARVESTING		
18.	No. of RWH Pits Proposed	4 No.
PARKING		
19.	Required Parking	324 ECS
20.	Proposed Parking	378 ECS
GREEN AREA		
21.	Permissible green area (15% site area)	7366.0311 sqm
22.	Proposed green area	7368.062 sqm
23.	Required no of trees @ 50nos/Hectare	245
WASTE GENERATION		
24.	Total Solid Waste Generation	615 kg/day
	Residential Waste (@0.5 kg/day)	533 kg/day
	Visitors (@0.15 kg/day)	8 kg/day
	Staff (@0.15 kg/day)	16 kg/day
	Green Area Waste (@0.0036/sqm/day)	27 kg/day
	STP Sludge	31 kg/day
	E-waste (0.15 kg/C/Yr.)	<1
POWER		
25.	Total Power Requirement	800 KW from UPPCL
26.	DG Set Backup	1250 KVA * 1 No 750 KVA * 1 No

4. Area details of the project:

S. No	Description	No./ (%)	unit
1	Plot Area		49106.874 sqm
2	Permissible Ground Coverage [@ 35% of Plot Area]	35%	17187.406 sqm
3	Permissible basic FAR (1.5 of Plot Area)	1.5	73660.311 sqm
4	Permissible Shopping @0.5 % of permissible FAR	0.5%	368.302 sqm
5	Permissible density @330 units/hac.	1617	Units
6	Required no of trees @ 50 nos/hac.	245	Trees
7	Required no of car parking as per norms (ECS)	324	Cars
ACHIEVED AREAS			
8	Achieved Ground Coverage	29%	14061.880sqm
9	Achieved FAR	1.074	52716.981 sqm
10	No of Units provided	162	810 persons
11	No of plots provided	51	255 persons
12	Shopping Area Provided	0.4%	314.757 sqm
13	Green Area Provided	15%	7368.062

14	Provided no of car parking (ECS) (Basement)	378	cars
15	Basement Area		12800.147 sqm

5. Population details:

Particulars	Total No of dwelling units	No of occupants (5 Per DU)
Tower A	56	280
Tower B	53	265
Tower C	53	265
Villa Type A	12	60
Villa Type B	24	120
Villa Type C	15	75
Total	213	1065

6. Water calculation details:

S. no	Description	Unit/Area (in m ²)	Total Occupancy	Rate of water demand (lpcd)	Total Fresh water (KLD)	Total Flushing/ Recycled water (KLD)	Total Water requirement	Total Waste Water
1.	Residential (Villas & Towers)	213	1065	Fresh Water @ 65 LPCD Flushing Water @ 21 LPCD	69.225	22.365	91.59	73.27
2.	Staff	5% of residential	53.25	Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD	2	1	3	3
3.	Visitors	10 % of residential	106.5	Fresh Water @ 5 LPCD Flushing Water @ 10 LPCD	1	1.06	2.06	2
	Total Domestic Water				72	24	97	78
4	Horticulture and landscape	7368.062 sqm		2l/sqm		15	15	
5	DG Set cooling	2000 KVA		0.9L/KVA/Hr for 6 hr		11	11	
	Total Water Requirement				72	50	123	

7. Total water demand for proposed group housing is estimated to be 123 KLD, out of which fresh water requirement is 72 KLD to meet the domestic needs. 50 KLD of recycled water will be used for flushing, Irrigation and D.G. sets cooling. 78 KLD waste water will be generated which will be treated into 100 KLD State of Art design STP. Spare treated water, around 20KLD (in non-monsoon) and 35KLD (in monsoon) will be discharged into municipal sewer line.

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

The consultant (EIA Coordinator) also submitted an affidavit dated 27/10/2023 mentioning is as follows:

1. I, Pramod Kumar Vishwakarma, S/o Shri R.P. vishwakarma is is EIA Coordinator of M/s Paramarsh Servicing Environment and Development.
2. I have prepared Form-1, Form-1A, Conceptual Plan & EMP report for the EC proposal no. SIA/UP/INFRA2/448644/2023 of proposed Group Housing Project "Sobti Sapphire" at Gata No. 47, 66Mi, 67Mi, 106Mi, 110Mi, 113Mi, 140Mi, 142Mi, 143Mi, Village- Dibdiba, Tehsil – Bilaspur, District – Rampur, U.P., M/s Sobti Buildwell Limited with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site for the present proposal.

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

RESOLUTION AGAINST AGENDA NO. 05

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

Additional Conditions:

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

12. The project proponent will make necessary arrangement to get Structural auditing conducted by an expert institution once in 5 years during life span of the building to ensure safe life of the residents and prevent environmental and social hazards.
13. The project proponent shall plan for storm water management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

1. Statutory compliance:
 1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
 2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
 3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
 7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
 8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
 9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
 10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
 1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
 2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
 3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
 4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
 5. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 6. Wet jet shall be provided for grinding and stone cutting.
 7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction

waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
 1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
 4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
 6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
 8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 13. All recharge should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.
 15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.

16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
 1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
 2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
 1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
 2. Outdoor and common area lighting shall be LED.
 3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
 5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
 6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management :

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
 1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
 2. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
 1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
 1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
 2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
 3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

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

6. “Ordinary Soil Mining Project” at Gata No.- 68, 805Ka, 807, 808, 809, 552, 527, 866, 865, Village-Mohammadpur Garhi, Tehsil-Bakshi Ka Talab, District-Lucknow, Shri Ashish Kumar, Area: 0.7370Ha., 8360/SIA/UP/MIN/448772/2023

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

1. The environmental clearance is sought for “Ordinary Soil Mining Project” at Gata No.- 68, 805Ka, 807, 808, 809, 552, 527, 866, 865, Village-Mohammadpur Garhi, Tehsil-Bakshi Ka Talab, District-Lucknow, Uttar Pradesh, (Leased Area –0.7370 Ha).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/448772/2023
2.	File No. allotted by SEIAA, UP	8360
3.	Name of Proponent	Shri Ashish Kumar S/o Shri Vishyanath Yadav
4.	Full correspondence address of proponent	R/o- 259, Nijampur, Malhore, District- Lucknow, Uttar Pradesh
5.	Name of Project	Ordinary Soil Mining Project

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6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 68, 805Ka, 807, 808, 809, 552, 527, 866, 865			
7.	Name of Village	Mohmmadpur Garhi			
8.	Tehsil	Bakshi Ka Talab			
9.	District	Lucknow, Uttar Pradesh.			
10.	Name of Minor Mineral	Ordinary Soil			
11.	Sanctioned Lease Area (in Ha.)	0.7370Ha.			
12.	Max. & Min mRL within lease area	The highest level is 145.0mRL The lowest level is 143.0 mRL			
13.	Pillar Coordinates (Verified by DMO)	Gata No.	Pillar	Latitude	Longitude
		68	A	27° 4'53.61"N	81° 2'23.20"E
			B	27° 4'54.21"N	81° 2'21.47"E
			C	27° 4'55.04"N	81° 2'21.81"E
			D	27° 4'54.48"N	81° 2'23.52"E
		805Ka	A	27° 4'42.77"N	81° 2'21.56"E
			B	27° 4'43.17"N	81° 2'20.96"E
			C	27° 4'44.55"N	81° 2'21.47"E
			D	27° 4'44.35"N	81° 2'22.23"E
		807	A	27° 4'43.68"N	81° 2'25.60"E
			B	27° 4'44.17"N	81° 2'24.67"E
			C	27° 4'45.54"N	81° 2'25.25"E
			D	27° 4'45.17"N	81° 2'26.31"E
		808	A	27° 4'42.88"N	81° 2'25.23"E
			B	27° 4'43.24"N	81° 2'24.38"E
			C	27° 4'44.04"N	81° 2'24.63"E
			D	27° 4'43.57"N	81° 2'25.54"E
		809	A	27° 4'42.00"N	81° 2'24.77"E
			B	27° 4'42.36"N	81° 2'23.96"E
			C	27° 4'43.12"N	81° 2'24.31"E
			D	27° 4'42.78"N	81° 2'25.21"E
		527	A	27° 4'49.13"N	81° 2'25.97"E
			B	27° 4'49.66"N	81° 2'24.50"E
			C	27° 4'50.45"N	81° 2'24.83"E
			D	27° 4'49.93"N	81° 2'26.44"E
		552	A	27° 4'51.51"N	81° 2'31.70"E
			B	27° 4'51.85"N	81° 2'30.56"E
			C	27° 4'53.50"N	81° 2'31.27"E
			D	27° 4'53.12"N	81° 2'32.58"E
		865	A	27° 4'47.36"N	81° 2'31.96"E
			B	27° 4'47.73"N	81° 2'31.13"E
			C	27° 4'48.68"N	81° 2'31.42"E
			D	27° 4'48.37"N	81° 2'32.37"E
		866	A	27° 4'44.71"N	81° 2'33.04"E
			B	27° 4'45.39"N	81° 2'31.64"E
			C	27° 4'47.12"N	81° 2'32.37"E
			D	27° 4'46.42"N	81° 2'33.99"E
14.	Total Geological Reserves	18425.00 m ³			
15.	Total Mineable Reserves	15,255.90m ³			
16.	Total Proposed Production (For 3 Month)	15,255.90m ³			
17.	Proposed Production	15,255.90m ³			
18.	Sanctioned Period of Mine lease	3 Months			
19.	No. of workers	10			
20.	Type of Land	Private Land			
21.	Ultimate depth of mining	2.50 m			
22.	Nearest metalled road from site	Lucknow-Kurshi-Mahamudabad Marg Approx. 1.23KM (East)			
23.	Water Requirement	S. No.	Purpose	Water Requirement (KLD)	

		1	Dust Suppression	1.40
		2	Plantation	0.50
		3	Domestic (Drinking)	0.15
		Total		2.05 KLD
24.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Earthvision India Associate Consultants, QCI NABET/EIA/2124/IA 0077 Valid till 24.02.2024		
25.	Any litigation pending against the project or land in any court	No		
26.	Details of 500 m Cluster certificate Verified by Mining Officer	Letter No. 26 Dated 12-10-2023		
27.	Details of Lease Area in approved DSR	NA		
28.	Proposed EMP cost	90,000		
29.	Length and breadth of Haul Road.	Length 10mt & Breadth 6mt		
30.	No. of Trees to be Planted	100		
31.	Monitoring Period	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 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 30/10/2023 mentioning is as follows:

1. I, Brij Mohan Singh Negi, S/o K.S. Negi is EIA Coordinator of M/s M/s Earthvision India Associate Consultants.
2. I have prepared EIA/EMP report for the Proposal EC in name of Shri Ashish Kumar, S/o Shri Vishyanath Yadav with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 06

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-4 to these minutes.

7. **“Morrum Mining Project” on the riverbed of River Betwa at Khand No. 25/3, Village- Ichchaura Jhitkari, Tehsil- Sarila & District- Hamirpur, Shri Rasmeet Singh Malhotra, Area- 18.610 ha., 8362/7915/SIA/UP/MIN/448778/2023**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Environmental 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 “Morrum Mining Project” on the riverbed of River Betwa at Khand No. 25/3, Village-Ichchaura Jhitkari, Tehsil- Sarila & District- Hamirpur, U.P., (Leased Area- 18.610 ha.).
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 154/Parya/SEIAA/7915/2023, dated 07/07/2023.
3. The Public Hearing was organized on 03/10/2023. Final EIA report submitted by the project proponent on 14/10/2023.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/448778/2023		
2.	File no. allotted by SEIAA, UP	8362-7915		
3.	Name of proponent	M/s R.S.H.S.M. Commerce Pvt. Ltd. Proponent- Rasmeet Singh Malhotra		
4.	Full correspondence address of proponent.	R/o – Near Alka Talkies, Nehru Ward, Pipariya, Hoshangabad, M.P		
5.	Name of Project	Morrum Mining Project		
6.	Project location (Plot / Khasra / Gata No.)	Khand No.- 25/3		
7.	Name of Village	Ichchaura Jhitkari		
8.	Tehsil	Sarila		
9.	District.	Hamirpur (U.P.)		
10.	Name of Minor Mineral	Morrum Mining Project		
11.	Sanction Lease Area (in Ha.)	18.610 Ha.		
12.	Max. & Min mRL within lease area	Maximum & Minimum mRL 131 mRL & 128 mRL respectively		
13.	Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
		A	25°51'53.00"N	79°32'21.85"E
		B	25°51'53.66"N	79°32'13.68"E
		C	25°51'56.20"N	79°32'4.27"E
		D	25°51'44.00"N	79°31'59.48"E
		E	25°51'41.75"N	79°32'17.77"E
14.	Total Geological Reserves	5,31,288 m3		
15.	Total Mineable Reserves	354814 m3 per Year		
16.	Total Proposed Production (in Five year)	1488615 m3 in 5 years		
17.	Proposed production / year	297723 m3 per year		
18.	Sanction Period of Mine lese	5 Years		
19.	No. of workers	Approximately 78 workers		
20.	Type of Land	Government Land		
21.	Ultimate depth of mining	3.0 m as per approved mining plan		
22.	Nearest metalled road from Site	Bundelkhand Expressway at 5.5 km towards SW direction.		
23.	Water requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking water		0.88 KLD
		Dust suppression		6.12 KLD
		Plantation		0.09 KLD
		Others (if any)		-
		Total		7.09 KLD approx.
24.	Name of QCI Accredited Consultant with QCI No. and period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 (REV-01) Valid up to 21/01/2024.		
25.	Any litigation pending against the project or land in any court.	No		
26.	Detail of 500 m Cluster certificate verified by mining officer	Letter No. 144/ Khanij- M.M.C-30- Vividh (2022-23) Date- 08/05/2023		
27.	Detail of Lease Area in approved DSR	In DSR details are given in page no 66 & Sl.No.32		

28.	Proposed EMP cost	Rs 17,17,180 /-(more than 2% of total project cost)
29.	Length and breath of Haul Road	680 m length and 6 m width
30.	No. of Trees to be planted.	95
31.	Monitoring Period.	01/03/2023 to 31/05/2023 (Pre Monsoon Season)

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-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 27/10/2023 mentioning is as follows:

1. I, Vishnu Kumar Awasthi S/o Lt. R G Awasthi is EIA Coordinator of M/s Environmental Research and Analysis, Lucknow (U.P.), Accreditation Certificate No. NABET/ EIA/ 1922/RA 0200 (Rev 01), valid till- 21/01/2024.
2. I have prepared EIA (B-1) report for the Proposal No. SIA/UP/MIN/448778/2023, (FILE No. 8362-7915) M/s R.S.H.S.M. Commerce Pvt. Ltd. Proponent- Rasmeet Singh Malhotra, R/o – Near Alka Talkies, Nehru Ward, Pipariya, Hoshangabad, M.P Proposed Project of riverbed “Morrum Mining Project” on the riverbed of River Betwa at Khand No. - 25/3 Lease Area 18.610 hectares situated in Village-Ichchaura Jhitkari, Tehsil- Sarila & District- Hamirpur, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report. (if and as required).
8. The EIA/EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 07

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 additional conditions:

1. The quantity mentioned in LoI or quantity mentioned in replenishment study, whichever is less, would be maximum quantity which project proponent may extract. It will be ensured by District Administration and Geology and Mining Department. Directorate of Geology and Mining will ensure conduct of replenishment study from reputed institution for subsequent years in compliance of Hon'ble NGT orders.
2. NOC from Irrigation Department/ Concerning Authority regarding river bed mining to be obtained before start of mining activity.
3. Project Proponent should submit action plan for carrying out plantation at least @1,000 plants / ha of lease area. In this case, PP should prepare a plan, duly approved either by Forest Department or

District plantation committee, for planting at least (as per the project) plants, either on government land or community land, within a periphery of 5 km from the boundary of the lease area along with provisions for maintenance for 5 years. Survival of plants should not be less than the survival rate notified by Uttar Pradesh Forest Department otherwise it will be treated as violation of EC condition.

4. The project proponent shall install solar light in their site office.
5. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
6. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
7. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
8. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
9. The project proponent should explore the possibilities of rainwater harvesting.
10. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
11. Latest technology (water sprinklers/ tankers) to be adopted for mitigating dust at source points in lease area and haulage road during operational activity/vehicular movement.
12. As per the proposed plan, plantation with area specific plant species, number of plants to be planted and report of green belt development to be submitted to the concerning department
13. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
14. Submit the Hydrological study report of lease area that the quantity given in LoI will be mined without affecting the geo-hydrology of the River.

8. Group Housing Project at Plot No. GH- 02, Sector- 45, Noida, District-Gautam Budh Nagar, Shri Mansoor Azam, M/s Experion Developers Pvt. Ltd., 8364/SIA/UP/INFRA2/448943/2023

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

1. The environmental clearance is sought for Group Housing Project at Plot No. GH- 02, Sector- 45, Noida, District-Gautam Budh Nagar, U.P., M/s Experion Developers Pvt. Ltd.
2. Area details of the project:

S.No.	Particulars	Area (m ²)
1.	Total Plot Area	19289.810
2.	Permissible FAR@3.5	67514.335
3.	Green FAR @5% of Permissible FAR	3375.717
4.	Total Permissible FAR (S. No. 2 + S. No. 3)	70890.052
5.	Total FAR Proposed	70859.581
6.	Permissible Ground coverage @35%	6751.434
7.	Proposed Ground coverage @20.85	4023.053
8.	Open Area (Total Plot Area – Proposed Ground Coverage)	15266.757
9.	Non-FAR Area	15494.035
	A. Basement-1	15496.094
	B. Basement-2	3607.23
	C. Other Area	
	Total NON-FAR AREA	34594.359
10.	Permissible (Service Area) 15% of Total Permissible FAR	10127.150
11.	Proposed (Service Area)	9763.955

12.	Total Built-up Area (S. No. 5 +9+ 11)	115217.895
13.	Proposed Greenbelt Area (@40% of total Area)	7726.40
14.	Proposed Building Height	137.85 m

3. Water requirement Details:

- The water supply required for the project is estimated to be around 232 KLD. The breakup is as follows:
- Domestic: 105 KLD
- Flushing: 62 KLD
- Water body and swimming pool: 20 KLD
- Filter and Softener Backwash: 20 KLD
- Landscaping Water: 25 KLD
- Water requirement during the construction will be met through tankers. It is estimated that water demand during the construction phase may vary from approx. 40 KLD which will be used in domestic as well as construction purpose.
- Details of 40 KLD water used During Construction:
- Supervisory & Construction Labour = 200 persons @45 LPCD =9 KLD
- (Curing & Mixing of Mortar & Cement = Approx. 21 KLD
- Dust control = Approx. 10 KLD

4. Calculation of Wastewater Generation:

Details	Water (KLD)
Water requirement for domestic purpose	105
Wastewater to be generated from domestic use (@ 80% of domestic water requirement)=84 KLD	84
Water requirement for Flushing Purpose	62
Wastewater to be generated from Flushing (@ 100% of flushing requirement)	62
Total Wastewater to be generated (84KLD+ 62KLD) = KLD	146
Total Treated Water available after STP Treatment (@ 90% of waste water) =131.4 KLD or say 131 KLD	131
STP Proposed (27% higher than waste water generated)	200

5. Solid Waste Calculation details:

S.No.	Category of Solid Waste	Waste Generated Rate	Formula	Total Population	Waste Generated
1	Residential population	0.3 to 0.6 kg/cap/day	Total Population*0.45	1476	664.2
2	Visitor + other population	0.1 to 0.3 kg/cap/day	Total Population*0.15	2261	339.15
Total					1003.35

6. Power requirement details:

- During Construction phase, Total electrical load demand has been estimated to be 100 KW. The source of power will be supplied through State Electricity Board Substation.
- During Operation phase, Total electrical load demand has been estimated to be 2290 KW. 100% Load back up being considered for project through DG Sets.
- Total 4X650 KVA of Dual Fuels based Gensets are proposed.

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

The consultant (EIA Coordinator) also submitted an affidavit dated 27/10/2023 mentioning is as follows:

- I, Purushottam Kumar Sharma, S/o Shri Rajendra Prashad Sharma is EIA Coordinator of M/s Ascenso Enviro Pvt. Ltd.
- I have prepared Form-1, Form-1A, Conceptual Plan & EMP report for the EC proposal no. SIA/UP/INFRA2/448943/2023 of proposed Group Housing Project at Plot No. GH- 02, Sector- 45, Noida, District-Gautam Budh Nagar, U.P., M/s Experion Developers Pvt. Ltd. with my team.

3. I have personally visited the site of proposal and certify that construction activity has been started after obtaining CTE for approved sanction area with built-up area less than 20,000 sqm. But later on, during the planning project was revised and total built up area become > 20,000 sqm. Construction at the site has been started after taking CTE for the previous sanctioned plan.
4. I am satisfied with that all the necessary data/information required for EIA/EMP presentations are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there will be no mismatch between information/data provided on the online application submitted on Parivesh Portal and the hard copy/presentation which will be submitted after acceptance of application.
7. The Form-1, Form-1A, Conceptual Plan & EMP report for the Proposal is prepared by my team as per guidelines laid down by QCI/NABET.

RESOLUTION AGAINST AGENDA NO. 08

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

Additional Conditions:

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

11. The project proponent will ensure exploitation of maximum possible potential of solar energy generation in the proposed project area and prefer to use it instead of conventional electricity in order to reduce the Green House Gas Emission causing climate change.
12. The project proponent will make necessary arrangement to get Structural auditing conducted by an expert institution once in 5 years during life span of the building to ensure safe life of the residents and prevent environmental and social hazards.
13. The project proponent shall plan for storm water management drained with appropriate slope and length so that the flood water could get a passage to release in a short span of time.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

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

8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
 1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
 2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
 4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
 5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
 6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
 8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 13. All recharge should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.

15. Any ground water dewatering should be properly managed and shall conform to the a approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
 1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
 2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
 1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
 2. Outdoor and common area lighting shall be LED.
 3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
 4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
 5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
 6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or

as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management :

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points.
 - d. Parking norms as per local regulation.

2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
 3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
 2. For indoor air quality the ventilation provisions as per National Building Code of India.
 3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis.
 6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
 3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
 2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

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

9. Group Housing Project "Celeste Towers" at Plot No.-A-60, Sector- 33,, Noida, District- Gautam Buddha Nagar, Shri Sanjeev Srivastva, M/s Assotech Ltd., 7814/SIA/UP/INFRA2/427247/2023

RESOLUTION AGAINST AGENDA NO. 09

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

10. Expansion [65 KLD Grain Based Ethanol] of Existing Distillery Unit at 9 th Km, Modinagar-Hapur Road, Village Bhojpur, Tehsil Modinagar, Dist. Ghaziabad, Uttar Pradesh By M/s Ghaziabad Organics Limited., 7810/SIA/UP/IND2/427013/2023

The project proponent informed the committee that M/s Ghaziabad Organics Limited is operating its existing distillery unit at Village Bhojpur, Tehsil Modinagar, Dist. Ghaziabad, Uttar Pradesh. The unit has applied to the UP SEIAA for grant of Environmental Clearance for their proposed expansion within the existing premises. The proposal involves expansion of existing Distillery Unit with Ethanol Production Capacity from 50 KLD [molasses or grain based] to 115 KLD [50 KLD existing based on molasses or grain + 65 KLD expansion under EBP grain based only]. The project proponent submit the following chronological details of the project:

- The project was taken in 775th SEAC-2 meeting dated 18th August, 2023 wherein:
“The committee has discussed the matter and is of the opinion that the SEIAA may sent a letter to MoEF&CC, Govt. of India for clarification whether the proposed project to be appraised at centre level as category “B” projects or appraised at state level as category “B2” projects.”

- Subsequently, the project was considered in 757th SEIAA meeting dated 14/09/2023 and decided is as follows:

“SEIAA opined that the project proponent should apply at MoEF&CC as per Notification No. SO 2339 {E} dated 16/06/2021.”

- In view of above decision, the project was applied to the EAC, MoEF&CC for grant of EC vide proposal No. IA/UP/IND2/447580/2023 dated 10/10/2023. EDS has been generated by the EAC as below:

“The instant proposal involves expansion of existing Distillery Unit with Ethanol Production Capacity from 50 KLD [molasses or grain based] to 115 KLD [50 KLD existing based on molasses or grain + 65 KLD expansion under EBP grain based only].

As per Ministry’s S.O. 1960(E) dated 13.06.2019 (enclosed) powers have been delegated to state for dealing project activities pertaining to molasses based distilleries up to 100 KLD & grain based distilleries up to 200 KLPD. Further, as per SO 345 (E) dated 17th January, 2019 all the expansion projects of sugar and distilleries for which prior EC has been obtained and adhering to ZLD which intend to produce Ethanol under EBP programme shall be appraised at concerned sectoral EAC or state EAC and whereas S.O. 2339(E), dated 16th June, 2021 same special dispensation has been given for establishment of green field grain based distilleries which shall appraised at central level.

In the view of the above it is noted that threshold capacity of the proposed expansion is either [50 KLPD molasses based and 65 KLPD grain based] or 115 KLPD grain based is below the limits of 100 KLPD molasses based or 200 KLPD grain based to be appraised at centre. Therefore, you are kindly requested to submit your application at state.”

- The PP has requested the UPSEAC for reconsideration and disposal of their case.
- The committee has discussed about the recent notifications related to distillery projects and found the followings -
- As per S.O. 1960(E) dated 13/06/2019, molasses based distillery projects > 100 KLD or Non-Molasses based distillery projects >200 KLD shall be appraised at the Centre level as Category A.

- As referred by the EAC, MoEF&CC, SO 345 (E) dated 17th January, 2019 makes special provision as under –

“(1) All expansion projects of sugar manufacturing or distilleries, having environmental clearances for their present industrial operations and intended to produce Ethanol for blending with petrol under the Ethanol Blended with Petrol (EBP) Programme, shall make an application in Form-I given in Appendix-I of the EIA Notification, 2006 along with the Environmental Management Plan, certificate from the Government of India, the Ministry of Petroleum and Natural Gas stating that the proposal is for the purpose of blending the bio-ethanol with the petrol, for grant of environmental clearance under the provisions of the EIA Notification, 2006, and all such applications shall be considered by the concerned sectoral Expert Appraisal Committee or State Expert Appraisal Committee, who shall appraise the proposal as per the procedure applicable to category B2 projects specified in the EIA Notification, 2006 based on certificate from the Central Ground Water Board regarding adequate availability of water and adherence to standard conditions related to distilleries (appendix).

- S.O. 2339(E), dated 16/06/2021 makes special dispensation for establishment of green field grain based distilleries coming under EBP Program and shall be appraised at central level. The notification makes further clarification as under –

“Expansion of sugar manufacturing units or distilleries for production of ethanol, having Prior Environment Clearance (EC) for existing unit, to be used completely for Ethanol Blended Petrol (EBP) Programme only, as per self-certification in form of an affidavit by the Project Proponent, shall be appraised as category ‘B2’ projects.”

- In this regard, some of the recent MoM of the EAC, MoEF&CC for distillery projects were also presented by PP:

- 1) **Expansion of Molasses or Sugarcane syrup based distillery from 150 KLPD to 550 KLPD located at Rajarnanagar, Village: Sakharale, Tal. Walwa, Dist. Sangli. State Maharashtra by M/s Rajarnabapu Patil Sahakari Sakhar Karkhana Limited (RBPSSKL) - Consideration of Environmental Clearance. [IA/MH/IND2/426585/2023, IA-J-11011/50/96-IA-II(I)]**

[Meeting ID: IA/IND2/13555/04/10/2023 Minutes of Meeting of the Expert Appraisal Committee (Industry-2 Sector Projects) held on 04th October, 2023] –

This is a project for expansion of existing molasses based distillery unit from 150 KLPD to 550 KLPD, PP has submitted self- certification in the form of notarized affidavit declaring that the proposed expansion capacity of 400 KLPD will be used for manufacturing fuel ethanol only. EAC, MoEF&CC considered the project under category B2.

- 2) **Brownfield Grain Based Ethanol Plant from 200 KLPD to 325 KLPD along with Co-generation Power Plant from 5 MW to 10 MW under Ethanol Blending Programme at Vill. Rajapatti Kothi, Block Baikunthpur, Dist- Gopalganj of Bihar State by M/s Westwell Biorefineries Pvt. Ltd. (Previously Sona Sati Organics Pvt. Ltd.) - Consideration of Environmental Clearance. [IA/BR/IND2/421820/2023, IA- J-11011/25/2007-IA-II(I)]**

[Meeting ID: IA/IND2/13534/26/07/2023 MINUTES OF MEETING OF THE EXPERT APPRAISAL COMMITTEE (INDUSTRY-2 SECTOR PROJECTS) HELD ON 26th July, 2023]

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This is a project for expansion of existing distillery unit from 200 KLPD to 325 KLPD. Ministry has issued Environmental Clearance to the existing Industry for a capacity of 200 KLD Ethanol (75 KLPD Molasses and 125 KLPD Grain) and 5 MW Cogeneration Plant vide File No. J-11011/25/2007-IA II(I) dated 18.01.2019. Bihar State Pollution Control Board has granted CTE based on “No Increase in Pollution Load Certification” for change of raw material mix from molasses to grain for existing 75 KLPD molasses based distillery. PP has submitted self-certification in the form of notarized affidavit declaring that the proposed expansion capacity of 125 KLPD will be used for manufacturing fuel ethanol only. EAC, MoEF&CC considered the project under category B2.

In view of all the above mentioned notifications and MoM of the EAC, MoEF&CC, the expansion project of M/s Ghaziabad Organics Limited is to be appraised at the State level as Category B-2 project.

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Expansion [65 KLD Grain Based Ethanol] of Existing Distillery Unit at 9th Km, Modinagar-Hapur Road, Village Bhojpur, Tehsil Modinagar, Dist. Ghaziabad, Uttar Pradesh, M/s Ghaziabad Organics Limited.

2. Details of statutory approvals of the project:

SN	Particulars	Details
1.	Details of Earlier ECs with Past Productions Details	Previous EC was granted by MoEF&CC vide letter no. J.11011/143/2003-IA II (I) on 23/12/2005. Approved production – 50 KLPD Ethanol
2.	Certificate for No Increase in Pollution Load due to change of raw material from Molasses to Grain	Obtained from UPPCB vide letter no. 82/UPHOC1/EIA/Ghaziabad/2022 dated 01/01/2022
3.	Details of Existing CTO	Existing CTO is valid upto 27/01/2027 for operation of Molasses/non molasses based distillery with ZLD system. [Ref. letter no. 147438/ UPPCB/Ghaziabad (UPPCBRO)/ CTO/air/GHAZAIBAD/2022 on 28/01/2022
4.	Details of Certified Compliance of Earlier EC	Obtained from RO MoEF&CC Lucknow, IV/ENV/UP/IND-80//198//2006/196 dated 24/07/2023.

3. Comparative product details of existing and expansion proposal;

S. No.	Unit	Product Details	Existing Production	Proposed Production	Post Expansion [Total]
1	Distillery	Ethanol	50 KLD (RS/ ENA)	65 KLD (Ethanol under EBP)	115 KLPD
2	Co gen Power	Co-Gen Power	400 KW	Nil	400 KW
3	Fermentation Unit Byproduct	CO2 DDGS	34 TPD 21 TPD	44 TPD 28 TPD	78 TPD 49 TPD

4. Comparative salient features details:

S. No	Particulars	As per Previous EC	Existing Status	Additional due to Expansion	Post Expansion	Unit	Remarks
1	Plot Area	38.5	15.16	Nil	15.16	acre	Due to change in raw material from molasses to grain, the bio-composting area has been reduced which was earlier on lease basis.
2	Product Ethanol	50	50	65 [under EBP Program]	115	KLD	The expansion project [grain based distillery 65 KLD] is proposed under EBP Program.

3	By Product – CO2	-	34	44	78	TPD	Carbon dioxide emission from the fermentation process will be collected, purified, liquefied and sold to vendors
	DDGS	-	21	28	49	TPD	Sold as cattle feed.
4	Major Raw Material	Molasses	Grain or Molasses [Presently grain is used]	Grain	50 KLD on dual mode [Grain or Molasses] and 65 KLD on grain based	-	Certificate for 'No Increase in Pollution Load' from UPPCB has been obtained on 04/01/2022 regarding change of raw material from molasses to grain.
5	Boiler	-	10	10	20	TPH	Rice husk is used as fuel in existing boiler. Proposed boiler will be based on biomass fuel like bagasse, briquettes, kutti, wood, wood chips.
6	Co Gen Power Plant	-	400	Nil	400	KW	Low pressure boiler will be installed in the proposed expansion.
7	Power Demand	-	1200	900	2100	KW	Own generation - approx. 400KW Remaining demand will be met through UPPCL supply.
8	DG Sets [No. & capacity]	-	3 nos. @ 500 KVA each	1 no. @ 750 KVA	2250	KVA	-
9	Green Area	8.5	5 [33%]	Nil	5 [33%]	acre	-
10	Fresh Water Requirement [Industrial]	770	175	291	466 [4.7 KL/KL Of Ethanol production]	KLD	Existing water demand is less than the mentioned quantity in earlier approved EC as grain is used [raw material] at present instead of molasses.
11	Fresh water demand - domestic & green	-	23	2	25	KLD	Additional increase in domestic water demand is due to increase in 45 nos. additional manpower.
12	Total Industrial Water Demand including recycle		476	673	1149	KLD	Approx. 59% of total industrial water demand is fulfilled through recovery and recycling of effluent.
13	Total Water Requirement [Industrial + domestic]	-	499 [476 + 23]	675 [673 + 2]	1174 [1149 + 25]	KLD	Fresh water is sourced through onsite tube-well. Existing approval regarding tube-well will be updated.
14	Industrial waste water	-	335	442	777	KLD	ZLD will be adopted and entire treated waste water will be recycled in the process and for cooling tower makeup. Existing project already adopted ZLD.
15	CPU & ETP Capacity	-	400	400	800	KLD	-
16	Industrial	-	1	1.5	2.5	TPD	Used as manure.

	Solid Waste – ETP Sludge						
	Boiler Ash	-	8.4	3.6	12	TPD	Boiler ash will be used in infrastructure base fill material / brick mfg. unit set up by the PP in collaboration with local brick manufacturing unit.
17	Municipal Solid waste [@200 g/ person/day]	-	13	9	22	TPD	Disposed through authorized agency as per local norms.
18	Used Oil [Hazardous Waste]	-	1	0.5	1.5	KL/yr	Sold to CPCB/SPCB authorized recyclers.
19	Manpower	-	65	45	110 [direct -80 + Contract -30]	Nos.	-
20	Project Cost [INR]	5.14	58	43.45	101.45	Cr	-

5. Salient feature of the project:

Sr. No.	Particulars	Details
1.	Name of the Proponent	M/s Ghaziabad Organics Limited
2.	Project	Expansion
3.	Location of the project	Khasra No. 1579-1580, Village –Bhojpur, Modinagar, Ghaziabad Uttar Pradesh
4.	Plot Area	Total area in possession: 15.16 Acre (6.14 Ha) Area reserved for green belt 5 Acres [33% of project area]
5.	Product	Ethanol, By product -DDGS, CO2
6.	Operation Days	360 days
7.	Main Raw materials	Grains – Approx. 138 TPD for proposed expansion
8.	Fresh Water Demand	Existing – 198 KLD [Industrial – 175 + domestic – 3 KLD + Green area – 20 KLD] Expansion - 293 KLD [industrial – 291 KLD + domestic 2 KLD] Post Expansion - 491 KLD [Industrial -466KLD _ Domestic & green 25 KLD]. Source of Water : Onsite Ground Water abstraction
9.	Power requirement	Post Expansion -2100 KW [Existing 1200 KW + Expansion - 900 KW] Source: Existing cogeneration power [400 KW] and UPPCL supply.
10.	Boiler Capacity	Existing 10 TPH boiler [Rice husk based] Proposed new boiler 10 TPH [Fuel – Bagasse/briquette/kutti/wood/wood chips]
11.	Environment Officer qualifications with	Proposed with qualification like B.E./B.Tech. in Environment.
12.	Air emission	CO2 from fermenter [Existing - 34 TPD + Expansion -44 TPD] – Same will be liquefied and sold Boiler Stack emission DG emission (Existing 3 DG sets@ 500 KVA each and expansion- 1 DG set @750 KVA) as emergency backup
13.	Man Power	110 persons [direct- 80 + contractual 30] during post expansion period.
14.	Total Project Cost	Existing: 58 Crore INR Proposed Expansion: 43.45 Crore INR
15.	Cost for Environment management	Capital Cost – 5.88 Crore INR
16.	CER Cost	Proposed CER Fund Allocation – INR 0.435 crore (1 % of additional investment for expansion)

17.	Total Effluent Generation	Post Expansion – 777 KLD [Existing – 335 KLD + Expansion – 442 KLD]
18.	Waste Water Treatment	Existing unit has already adopted ZLD system. The same system will be continued in post expansion phase. Same is achieved by installation of: Decantation. MEE followed by Dryer CPU/ETP to treat condensate [Existing - 400 KLD + New – 400 KLD]

6. Solid and hazardous waste details:

Sr. No	Type of Waste	Post Expansion Quantity Approx.	Source of Generation	Disposal
1.	MSW	22 kg/day	workers	Will be collected, segregated using twin bin collection system and disposed through agency authorized by the local authority.
2.	DDGS	49 TPD [Existing -21 TPD + Expansion - 28 TPD]	Process	Sold as Cattle /Poultry Feed
3.	Boiler Ash	12 TPD [Existing -8.4 TPD + Expansion 3.6 TPD]	Boiler	Will be used in infrastructure base fill material/brick manufacturing unit set up by the project proponent in collaboration with local brick manufacturing unit.
4.	Used Oil	1.5 KL/annum	Machineries & utility equipment	Sale to Authorized recycler
5	ETP sludge	2.5 TPD [Existing 1 TPD + Expansion -1.5 TPD]	From ETP	Dried and uses as manure.

7. Area details of the project:

Details	Area [sq m]
Existing manufacturing process area including, raw material /products storage, utility area	14926.48
Proposed Expansion Area	
Fermentation area	718.52
CO2 Plant	1140
Proposed Distillation and MEE Plant	180
Proposed CPU and ETP	144
Proposed new boiler	375
Office Area, security room, canteen etc.	432
Area occupied by the bottling unit within the premises	1998
Existing Green Area [5 acre]	20234.3
Internal roads	5000
Parking Area [Existing]	13750
Open area	2452
Total Area [15.16 acre]	61350.3

8. Raw material details:

SN	Type of Raw Material	Existing	Proposed	Total [Post Expansion]
1	Grain TPD	106	138	244
2	Yeast [Kg/day]	24	32	56
3	Alpha Amylase -kg/day	35	45	80
4	Glucosyl Amylase - kg/day	58	75	133
5	DAP- Kg/day	48	62	110
6	Caustic Kg/day	52	68	120
7	Antifoam Kg/day	50	60	110
8	Sulphuric acid Kg/day	25	25	50

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

RESOLUTION AGAINST AGENDA NO-10

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

Additional Conditions:

1. Three tier green belt shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation).
2. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF and CC.
3. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
4. Properly covered vehicles shall be used while transporting material and product.
5. Allergy test should also be included in health checkup of works.
6. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).
8. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
9. The project proponent is directed to comply with the public hearing queries/questions and TOR conditions in a time bound manner as per action plan submitted by the proponent and submit compliance report regularly as per EIA notification.
10. The project proponent shall comply with the CPCB charter/guidelines and time to time direction for the distillery unit.

Standard environmental clearance conditions:

I. Statutory compliance:

1. 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.
2. 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 purposes involved in the project.
3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
4. 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).
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

7. 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 as to comply prescribed 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 through stack 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 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 drier). 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 / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report 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.

11. Sand Mine from Riverbed of Betwa River, at Khand No. 25/9, Village- Ichora Jitkari Tehsil- Sarila & District- Hamirpur, M/s A.N. Builders Shri Anar Singh Yadav, Area-20.030 ha., 8074/SIA/UP/MIN/439911/2023

The Secretariat informed the committee that the matter was earlier discussed in 759th SEIAA meeting dated 22/09/2023 wherein:

"SEIAA noted that SEAC has recommended to issue additional ToR. SEIAA gone through file and document and found that geo-coordinates mentioned in khasra map and MoM are different. Hence, SEIAA opined to refer back the project to SEAC for review."

As per the decision of SEIAA, the matter was listed in 804th SEAC meeting dated 31/10/2023. The committee has gone through reply dated 31/10/2023 submitted by the project proponent and observed that the project proponent mentioned that khasra map enclosed with TOR application was another lease and it was by mistake enclosed by us with this project and we highly apologize for the mistake committed and corrected khasra map was enclosed with hard copy.

The committee discussed the matter and opined that the reply submitted by the project proponent seems to be satisfactory and recommended to grant the terms of reference for the project proposals as earlier prescribed in 778th SEAC meeting dated 25/08/2023 with amended geo-coordinates.

12. Building Stone, Khanda, Boulder, Ballast Mining Project at Araj No. 23, Khand No- 08, Village: Dasna, Tehsil: Moth, District: Jhansi, Shri Shyam Gupta, Area: 2.00 Ha., 8076/SIA/UP/MIN/439488/2023

The Secretariat informed the committee that the matter was earlier discussed in 759th SEIAA meeting dated 22/09/2023 wherein:

“SEIAA noted that SEAC has recommended to issue additional ToR. SEIAA gone through file and document and found that in MoM it is mentioned that Proposed Production/year is 50,000 m³, Sanctioned Period of Mine lease is 20 years and total Geological Reserves is 8,94,288 m³ which is not acceptable hence SEIAA opined to refer back the project to SEAC for review.”

As per the decision of SEIAA, the matter was listed in 804th SEAC meeting dated 31/10/2023. The committee discussed the matter and opined that the project proponent/consultant should present before SEAC and make presentation regarding the queries raised by SEIAA.

13. Khanda-Boulder/ Gitti-Ballast Mine at Gata No.- 239 (Khand 02), Village- Nunar, Tehsil- Garautha, District- Jhansi, Shri Rahul Gupta, Area- 0.809 ha., 8092/SIA/UP/MIN/440152/2023

The Secretariat informed the committee that the matter was earlier discussed in 759th SEIAA meeting dated 22/09/2023 wherein:

“SEIAA noted that SEAC has recommended to issue additional ToR. SEIAA gone through file and document and found that in MoM it is mentioned that Proposed Production/year is 24,270 Cum, Sanctioned Period of Mine lease is 20 years and total Geological Reserves is 2,33,722.5 Cum which is not acceptable hence SEIAA opined to refer back the project to SEAC for review.”

As per the decision of SEIAA, the matter was listed in 804th SEAC meeting dated 31/10/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 30/10/2023 and mentioned is as follows:

“As per the Mining plan, reserve estimation is done only for 5 years due to the sanctioned capacity can't be reached out with the annual extraction volume of 24,270 for the 20 years it may increase or decrease with the depth and other considering factors. So the geological reserve 2,33,722.5 cum is 05 years. After completion of 05 years new application of EC will be filled along with new mining plan & production for remaining period of lease.”

The committee has gone through the reply submitted by the project proponent and observed that the project proponent proposed the geological and mineable reserve for the period of 05 years and after the completion of 05 years fresh environmental clearance will be taken for remaining quantity and remaining lease period. Hence, the committee recommended to grant the terms of reference for the project proposals as earlier prescribed in 778th SEAC meeting dated 25/08/2023 with following additional condition:

1. In future the environmental clearance will be issued only for the period of 05 years as proposed and fresh environmental clearance will be taken for remaining lease period.

14. Construction of Sanfran Sarovar Heights Multistoried Residential Building at Arazi No.- 134, 135, 136, 137, 98 & 97/2 Lahargird, District-Jhansi, Shri Rajan Mishra., 7468/SIA/UP/INFRA2/410947/2022

The Secretariat informed the committee that the matter was earlier discussed in 760th SEIAA meeting dated 29/09/2023 wherein:

"SEIAA noted that the above project was taken in its 732th meeting in which SEIAA noted that relevant and updated information has not been submitted. The project proponent has submitted his reply vide letter dated 10.08.2023. Since reply submitted is not satisfactory SEIAA opined that the project must be referred to SEAC for site inspection along with the district administration to inspect the site in light of distance of river and safety of the building."

As per the decision of SEIAA, the matter was listed in 804th SEAC meeting dated 31/10/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 31/10/2023 and mentioned is as follows:

"...SEIAA referred the case to the SEAC for inspection along with district administration to inspect the site in light of distance of river and safety of the building. However the inspection regarding demarcation of encroachment area and Doob area in Pahuj River between the two bridges situated on NH-27 Seepri and Seepri bazaar & Shivpuri road, a joint inspection was done on 11/07/2018 under the supervision of Secretary Jhansi Development Authority along with Assistant Engineer and Junior Engineer of Irrigation Department. This team carried out the work of installation of pillars showing the demarcation of Doob area in Pahuj River. It is already mentioned in the letter dated 19/12/2017 that the construction work for the project can be done outside the flood line area as per the report."

The committee has gone through the reply submitted by the project proponent and observed that a joint inspection has already been done on 11/07/2018 by Secretary, Jhansi Development Authority along with Assistant Engineer and Junior Engineer of Irrigation Department and the joint team carried out the work of installation of pillars showing the demarcation of Doob area in Pahuj river. The committee discussed the matter and is of the opinion that the environmental clearance for the project may be granted on the basis of joint inspection report and irrigation department letter dated 19/12/2017. In case the SEIAA feels that the site inspection is necessary in the matter then SEIAA may constitute a joint committee for site inspection of the project.

15. Building stone Sand Stone Mining project at Arazi No.- 157 (Sl. No. 11) Village- Sonpur, Tehsil- Chunar, District: Mirzapur, Shri Suresh Pratap Singh, M/s Sri Bajrang Road Lines, Area: 2.02 ha., 8040/ 7308/SIA/UP/MIN/437835/2023

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

"SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through file and documents and found that KML has been masked. Hence SEIAA opined that the matter shall be referred back to SEAC and a show cause notice be sent to consultant for submitting false and in complete information."

As per the decision of SEIAA, the matter was listed in 804th SEAC meeting dated 31/10/2023. The project proponent submit the reply of queries raised by SEIAA in its letter dated 30/10/2023 and mentioned is as follows:

“...We clarify that the mask is temporary & can be removed by going in the setting of Google Earth in Untitled Polygon Part. We also inform that Parivesh CPC Green User Manual has also shown Marking of location information of main KML on page no.14 in the same way.”

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

**(Prof. Jaswant Singh)
Member**

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

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

**(Tanzar Ullah Khan)
Member**

**(Ashish Tiwari)
Member-Secretary**

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

Nodal, SEAC-2

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

Annexure-1

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

A. General Conditions:

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

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

B. Specific Conditions:

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

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

25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be

- covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
 39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
 40. Project Proponent shall explore the possibility of using solar energy where ever possible.
 41. Commitment towards CER has to be followed strictly.
 42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
 43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
 44. The blasting will be done only after getting permission from the Mining Department.

General and Specific Conditions for Sand/Morum Mining Proposals

General Conditions:

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

23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).

42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Integrated Regional Office, MoEF&CC, GoI, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the mining lease period/mining plan whichever is 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 orders). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Integrated Regional Office, MoEF&CC, GoI, Lucknow, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, CPCB, State PCB.
48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

Annexure-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-4

General and Specific Conditions for Soil/Earth Mining Projects:-

General condition:

1. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. 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.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the agreement/mining plan whichever is less.
2. Environment management should be in accordance with the present environment status of the project.
3. Approach kaccha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be leveled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.
15. The project boundary shall be properly covered to restrict dust dispersion.
16. Precautionary measures during soil excavation for conservation and protection of rare and endangered flora and fauna found in the study area.
17. Noise level shall be maintained as per standards for both day and night.
18. The route map for soil transportation from excavation plots to work site should be firmed up and necessary permissions shall be sought from District Administration.
19. Vehicles hired for the transportation should be in good condition and should have Pollution Check Certificate and should conform to applicable air and noise emission standards.

20. Personnel exposure monitoring for respirable mineral dust shall be carried out for the workers and records maintained including health records of the workers. Awareness program for workers on impact of mining on their health and precautionary measures like use of personal protective equipments etc. shall be carried out periodically. First aid facilities and adequate sanitary facility in the form of temporary toilets/septic tanks.
21. Solid waste material viz gutkha rappers, plastic bags, glasses etc. to be generated during project activity will be separately stored in bins and managed as per Solid Waste Management Rules.
22. Project proponent should maintain daily register for information of (a) collection of soil/clay, (b) manpower & (c) transportation purpose.
23. Soil mining shall strictly be undertaken as per rules and regulations/permissions obtained from District Administration/Mining Department
24. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority along with list of beneficiaries with their mobile nos./address.
25. The borrowing/excavation activity shall be restricted to a maximum depth of 2 m. below general ground level at the site.
26. The borrowing/excavation activity shall be restricted to 2 m. above the ground water table at the site.
27. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
28. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
29. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
30. Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
31. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
32. Workers/labourers shall be provided with facilities for drinking water and sanitation.
33. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
34. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.