

Minutes of 657th SEAC-2 Meeting Dated 23/05/2022

The 657th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 23/05/2022. Following members participated in the meeting:

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

The Chairman welcomed the members to the 657th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. **Stone, Khanda, Boulder, Ballast (Gitti), Mining at Araj No. /Plot No. 712, Khand No.-05, at Village – Chhikahra, Tehsil-Sadar, Mahoba., Shri Raj Kumar Sharma, M/s S.S. Infratech. Area 2.024 ha. File No. 6429/Proposal No. SIA/UP/MIN/64372/2021**

RESOLUTION AGAINST AGENDA NO-01

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 request on prescribed online portal.

2. **Stone (Sandstone) Mining at Arazi No.-36/6/5, Vill-Sonbarsa, Tehsil-Lalganj, Mirzapur Shri Sandeep Tiwari, Area- 0.809 ha. File No. 7063/Proposal No. SIA/UP/MIN/76386/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment 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 terms of reference are sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 36/6/5, Village-Sonbarsa, Tehsil-Lalganj, District-Mirzapur, U.P., (Leased Area-0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/76386/2022
2.	File No. allotted by SEIAA, UP	7063
3.	Name of Proponent	Shri Sandeep Tiwari
4.	Full correspondence address of proponent and mobile no.	Shri Sandeep Tiwari R/o Post- Pakhwaiyan, Anuruddhpur, Purab Patti, Mirzapur.

		Mobile no.-																
		E-mail Id- sandeeptiwari5418@gmail.com																
5.	Name of Project	Building Stone (Sandstone) Mining Village –Sonbarsa, Tehsil- Lalganj, District–Mirzapur, Uttar Pradesh																
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 36/6/5, Village –Sonbarsa, Tehsil-Lalganj, District–Mirzapur, Uttar Pradesh																
7.	Name of River	NA																
8.	Name of Village	Sonbarsa																
9.	Tehsil	Lalganj																
10.	District	Mirzapur																
11.	Name of Minor Mineral	Building Stone (Sandstone) Mining																
12.	Sanctioned Lease Area (in Ha.)	0.809 ha.																
13.	Max. & Min mRL within lease area	Highest mRL is 115.6 & Lowest is 108.8mRL																
14.	Pillar Coordinates (Verified by DMO)	<table><tr><td>Pillars</td><td>N</td><td>E</td></tr><tr><td>A</td><td>25° 05'28.90"N</td><td>82°24'19.45"E</td></tr><tr><td>B</td><td>25° 05'27.60"N</td><td>82°24'22.00"E</td></tr><tr><td>C</td><td>25° 05'24.45"N</td><td>82°24'20.32"E</td></tr><tr><td>D</td><td>25° 05'25.49"N</td><td>82°24'18.05"E</td></tr></table>		Pillars	N	E	A	25° 05'28.90"N	82°24'19.45"E	B	25° 05'27.60"N	82°24'22.00"E	C	25° 05'24.45"N	82°24'20.32"E	D	25° 05'25.49"N	82°24'18.05"E
Pillars	N	E																
A	25° 05'28.90"N	82°24'19.45"E																
B	25° 05'27.60"N	82°24'22.00"E																
C	25° 05'24.45"N	82°24'20.32"E																
D	25° 05'25.49"N	82°24'18.05"E																
15.	Total Geological Reserves	389797 m ³																
16.	Total Mineable Reserve (as per Approved Mine Plan)	99630 m ³																
17.	Total Proposed Production (In 5 Years)	80,900 m ³ (In 5 Years)																
18.	Proposed Production/year	16180 m ³ /year																
19.	Sanctioned Period of Mine lease	10 years																
20.	Method of Mining	Opencast, Semi-Mechanized																
21.	No. of working days	275																
22.	Working hours/day	8																
23.	No. of worker	52																
24.	No. of vehicles movement/day	15																
25.	Type of Land	Revenue land																
26.	Ultimate of Depth of Mining	Upto 85mRL																
27.	Nearest metalled road from site	220m																
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)															
		Drinking	0.52 KLD															
		Suppression of dust	0.88 KLD															
		Plantation	0.80 KLD															
		Others (if any)	-															
		Total	2.2 KLD															
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	PARAMARSH (Servicing Environment and Development) Lucknow UP Certificate no. NABET/EIA/2124/RA 0224 Valid Till May 01,2024																
30.	Any litigation pending against the project or land in any court	No																
31.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 3675/khanij/ 2022																
32.	Details of Lease Area in approved DSR	0.809 ha.																
33.	Proposed CER cost	Rs.2.2 Lakhs																
34.	Proposed EMP cost	Total project cost- Rs. 1.10 Crore																
35.	Length and breadth of Haul Road	220m & 6m																
36.	No. of Trees to be Planted	800																

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

The consultant (EIA Coordinator) also submitted an affidavit dated 18/05/2022 mentioning is as follows:

1. I Surendra Vikram Ghavri S/o Shri Pratap Kumar is EIA Coordinator of M/s PARAMARSH (Servicing Environment and Development, Lucknow).
2. I have prepared TOR application report for the (Proposal No. SIA/UP/MIN/76386/2022, Building Stone (sand stone) mine by Shri Sandeep Tiwari with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for TOR application preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal. In case the project has been uploaded again due to any reason, the withdrawals of previous project have been accepted by SEIAA, UP on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 02

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

Additional TOR:

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source

- points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
 9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
 10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
 11. Revised Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

3. Stone Gitti/Boulder (Dolostone) Mining at Araj No. 5006ka, Vill – Billi Markundi, Tehsil – Obra, Dist – Sonbhadra Smt. Shri Ram Asrey Agrahari M/s Radhe Radhe Enterprises., Area – 3.40 Ha. File No. 7064/Proposal No. SIA/UP/MIN/76396/2022

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

1. The terms of reference are sought for Stone Gitti/Boulder (Dolostone) Mining at Araj No. 5006 ka, Vill – Billi Markundi, Tehsil – Obra, Dist – Sonbhadra, U.P., (Leased Area – 3.40 Ha.), M/s Radhe Radhe Enterprises.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/76396/2022		
2. File No. allotted by SEIAA, UP	7064		
3. Name of Applicant	M/s Radhe Radhe Enterprises Shri Ram Asre Agrahari S/o Late Hariram Agrahari		
4. Full correspondence address of proponent and mobile no.	R/o: 79, Chudi Gali, Ward-3, Parshoi, Tehsil- Obra, District- Sonbhadra, U.P. (231219)		
5. Name of Project	Billi Markundi Dolostone Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Village – Billi Markundi, Araj No. 5006 KA, Tehsil- Obra, District- Sonbhadra, State- Uttar Pradesh.		
7. Name of Minor Mineral	Minor Mineral - Khanda Boulder (Dolostone)		
8. Sanctioned Lease Area (in Ha.)	3.40 Ha.		
9. Mineable Area (in Ha.)	3.40 Ha.		
10. Capacity of the project	1,12,000 cum / year		
11. Max. & Min mRL within lease area	204-162 mRL.		
12. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	Total Lease Area Coordinate (3.40 ha)		
	A	24°28'50.91"N	83° 0'53.34"E
	B	24°28'47.06"N	83° 0'55.08"E
	C	24°28'43.78"N	83° 0'53.35"E
	D	24°28'44.70"N	83° 0'47.65"E
	E	24°28'46.01"N	83° 0'47.75"E
	F	24°28'46.61"N	83° 0'48.30"E
	G	24°28'48.94"N	83° 0'48.62"E
	H	24°28'50.51"N	83° 0'49.22"E
	I	24°28'50.46"N	83° 0'50.24"E
	J	24°28'51.26"N	83° 0'51.42"E
13. Total Geological Reserves	18,27,118 m ³		
14. Total Mineable Reserves	6,95,898 m ³		
15. Proposed Production/year (as per LoI)	1,12,000 m ³		

16. Total Production (5 Years)	5,60,000 m ³	
17. Sanctioned Period of Mine lease	5 Years	
18. Method of Mining	Open cast Semi-mechanized mining	
19. No. of working days	250 days/ Year	
20. Working hours/day	12 Hours	
21. No. Of workers	55	
22. No. Of vehicles movement/day	50	
23. Type of Land	Govt. Waste Land	
24. Depth of Mining as per approved Mine Plan	42.00 m	
25. Nearest metaled road from site	200 m	
26. Water Requirement	Purposes	Requirement (KLD)
	Drinking	0.55
	Suppression of dust	0.84
	Plantation	6.05
	Others (if any)	0.00
	Total	7.44
27. Name of QCI Accredited Consultant with QCI No and period of validity.	GreencIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2022	
28. Any litigation pending against the project or land in any court	No	
29. Details of 500 m Cluster Map & certificate verified by Mining Officer	6090/Khanij /2022 dated 10 th Feb, 2022	
30. Length and breadth of Haul Road	Length 200 m, Width 6.0 m	
31. 31. Proposed CER Cost	Rs. 2,18,000/-	
32. 32. Proposed Project Cost	Rs. 1,09,15,525/-	
33. No. of Trees to be planted	1512 Saplings	

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

The consultant (EIA Coordinator) also submitted an affidavit dated 11/05/2022 mentioning is as follows:

1. I, Brij Mohan Singh Negi, S/o K.S. Negi is EIA Coordinator of Greencindia consulting Pvt. Ltd.
2. I have prepared TOR report for the Proposal No.- SIA/UP/MIN/76396/2022, Project Name: Stone Gitti/Boulder (Dolostone) Mining at Arajai No. 5006 ka, Vill – Billi Markundi, Tehsil – Obra, Dist – Sonbhadra, U.P., (Leased Area – 3.40 Ha.), M/s Radhe Radhe Enterprises with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for TOR preparations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.

7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO. 03

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

Additional TOR:

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

4. Stone Khanda, Gitti, Boulder & Red Morrum Mining at Gata No. 384, Vill.-Tooka, Tehsil-Rath, Hamirpur, Shri Jagdish Singh, Area: 0.701 Ha. File No. 7068/6177/Proposal No. SIA/UP/MIN/74920/2021

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

1. The environmental clearance is sought for Stone “Khanda, Gitti, Boulder & Red Morrum Mining at Gata No. 384, Vill.-Tooka, Tehsil-Rath, Hamirpur, U.P., (Leased Area: 0.701 Ha.).

2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 175/Parya/SEIAA/6177/2021, dated 02/09/2021.
3. The public hearing was organized on 29/11/2021 at Tehsil Auditorium Tehsil – Rath, District: Hamirpur. Final EIA report submitted by the project proponent on 09/04/2022.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/74920/2021	
2. File No. allotted by SEIAA,UP	7068	
3. Name of Proponent	Mr. Jagdish Singh, S/o Shri Jasiram	
4. Full correspondence address of proponent and mobile no.	R/o- Muhal Jugiyana, Thana - Rath Tehsil- Rath, District- Hamirpur, U.P.	
5. Name of Project	Khanda, Gitti, Boulder & Red Morrum Mining Project	
6. Project location (Plot/Khasra/Gata No.)	Gata No.384	
7. Name of River	-	
8. Name of Village	Tooka	
9. Tehsil	Rath	
10. District	Hamirpur, U.P.	
11. Name of Minor Mineral	Khanda, Gitti, Boulder & Red Morrum Mining Project	
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 0.701 Ha	
13. Mineable Area (in Ha.)	0.701 Ha	
14. Zero Level mRL	-	
15. Max. & Min mRL within lease area	Highest Point :162mRL Lowest Point :156mRL	
16. Pillar Coordinates (Verified by DMO)	Sanction Lease Area Co-ordinate	
	Pillars	Latitude (N) Longitude (E)
	A	25°36'4.29"N 79°30'09.01"E
	B	25°36'3.16"N 79°30'11.86"E
	C	25°36'00.74"N 79°30'12.23"E
	D	25°35'59.99"N 79°30'11.31"E
	E	25°36'02.38"N 79°30'09.17"E
	F	25°36'03.27"N 79°30'08.81"E
17. Total Geological Reserves (Source: Approved Mining Plan)	3,84,465m ³	
18. Total Mineable Reserves (Source: Approved Mining Plan)	53,490 m ³	
19. Total Proposed Production (in five years)	35,050 m ³	
20. Proposed Production/year	7,010 m ³ per annum	
21. Sanctioned Period of Mine lease	5 years	
22. Method of Mining	Opencast, semi-mechanized	
23. No. of Working days	260 Days	
24. Working hours/day	8 -10 hours/day	
25. No. Of Workers	27	
26. No. of vehicles movement/day	2 Units (Assumed Loading Capacity: 40 T/Unit)	
27. Type of Land	State Government Land	
28. Ultimate Depth of Mining	12 m (162 mRL – 150 mRL) (Source: Approved Mining Plan)	
29. Nearest metalled road from site	180 m	
30. Water Requirement	Purpose	Requirement (KLD)
	Drinking	0.135
	Suppression of Dust	2.52
	Plantation	1.4
	Total	4.05
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Valid Till June 23/2022.	
32. Any litigation pending against the project or hand in any court	No	

33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), letter No. 1950/ खनिज-M.M.C30-Vividhi (2020-2021), Hamirpur, Dated 24/12/2020,
34. Details of Lease Area in approved DSR	Approved DSR, Hamirpur Page No 25, Table., Sr No. 7
35. Proposed CER Cost	Rs. 4.25 Lakhs (5% of the total Project Cost)
36. Proposed EMP Cost	Rs. 16.40 Lakhs
37. Length and width of Approach Road	Approach Road Length 180 m & Width 7 m
38. No. of Trees to be Planted	700 Trees

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 20/05/2022 mentioning is as follows:

1. I, Mr. Akhilesh Gupta S/o Sri. Omkar Gupta is EIA Coordinator of M/s Globus Environment Engineering Services.
2. I have prepared EIA/ EMP report for the Proposal number (SIA/UP/MIN/74920/2021 & Building Stone “Khanda, Gitti, Boulder & Red Morrum Mining Project” at Gata No. 384, Area: 0.701 Ha, Village: Tooka, Tehsil: Rath, District: Hamirpur, State: Uttar Pradesh.) with my team.
3. I have personally visited the site of proposal.
4. I have satisfied with that all the necessary data/information required for EIA/ EMP preparations are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for the first time on Parivesh Portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/ presentation submitted.
8. 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.

RESOLUTION AGAINST AGENDA NO. 04

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

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P

5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
 6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 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.
 7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
 8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
 9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
 10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
 11. The project proponent should explore the possibilities of rainwater harvesting.
 12. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road.
 13. 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.
 14. As per the proposed plan, plantation with area specific plant species, number of plants to be planted.
 15. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ water supplying agencies to be submitted.
5. **Stand-alone Grinding Unit with Cement Production Capacity of 5.0 MTPA (Line I - 2.5 MTPA and Line II - 2.5 MTPA) and D.G. Set of 2000 KVA (Line I - 2 x 500 KVA and Line II - 2 x 500 KVA) at Village: Nevada, Tehsil-Lalganj, Mirzapur, M/s. Dalmia Bharat Green Vision Ltd. File No. 6710/Proposal No. SIA/UP/IND/69198/2021**

The committee noted that the matter was earlier discussed in 558th SEIAA meeting dated 02/02/2022 and directed as follows:

“SEIAA noted that the SEAC has recommended to issue standard terms of reference for the preparation of Environment Impact Assessment (EIA) report regarding the aforesaid project. SEIAA gone through file and documents and found that it has not been clarified whether the project is in CPA or not, in the minutes. Hence SEIAA opined to refer back the project to SEAC-2 to ascertain that whether the project is in CPA or not.”

As per the direction of SEIAA, the matter was listed in the 657th SEAC meeting dated 23/05/2022. The committee went through the file and documents and observed that the project proponent has already submitted an affidavit dated 25/12/2021 mentioning as follows:

“As per the directions of CPCB dated 26th April, 2016, Office Memorandum of MoEFCC, New Delhi dated 31st Oct., 2019, in compliance of Hon’ble NGT order dated 19th Aug., 2019, the project site does not fall in Critically Polluted Areas/Severely Polluted Areas.”

In view of above, the committee again recommended to issue terms of reference for the preparation of EIA report as earlier prescribed in 614th SEAC meeting dated 29/12/2021.

6. Proposed of Addition & Expansion of API Drugs & Intermediates at Khasra No.- C-24 to c-28, Plot No. C-24 To 28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Khatauli, Muzaffarnagar, Uttar Pradesh, M/s Magma Industries Limited. File No. 6810/Proposal No. SIA/UP/IND3/ 247678/2021

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

1. The environmental clearance are sought for Proposed of Addition & Expansion of API Drugs & Intermediates at Khasra No. C-24 to c-28, Plot No. C-24 To 28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Khatauli, Muzaffarnagar, Uttar Pradesh, M/s Magma Industries Limited.
2. Environmental Clearance for the production capacity of 500 MT/Month was issued by SEIAA, U.P. vide letter no. 257/Parya/SEIAA/5679/2019, Dated 24 August 2020.
3. Certified Compliance report for the earlier environmental clearance was issued by IRO, MoEFCC, Lucknow vide letter dated 09/05/2022.
4. Comparative details of existing and expansion project:

S. No.	Components	Existing	Proposed
1	Products and quantity	Active Pharmaceutical Ingredients Production capacity – 500 MT/month	Active Pharmaceutical Ingredients & Intermediates Proposed Production capacity - 3500 MT/month
2	Total Plot Area	12,964 sq. m	17475 sqm (total 30,439 sqm)
3	Fresh water consumption	81 KLD	410 KLD
4	Fresh water Source	Onsite tube-wells	Onsite tube-wells
5	Power Load	2000 KVA	Proposed 1000 KVA (Total 3000KVA)
6	DG Capacity [power back up]	1@1000 KVA, 1@500 KVA and 1@380 KVA 1@125 KVA DG set as emergency fire-fighting services.	1250 KVA DG to be installed.
7	Boiler	2 nos. of capacities 5 MT/hr and 3 MT/hr	1 nos. 5MT/Hr (to be installed)
8	ETP	120 KLD sufficient till date.	ETP 200 KLD shall be enhanced with an investment of 2.00 Crores to increase the capacity to cater for any additional load.

5. Geo coordinates of the project site:

Pillar	Latitude	Longitude
A	29°22'20.99"N	77°42'12.00"E
B	29°22'18.32"N	77°42'11.80"E
C	29°22'16.69"N	77°42'11.86"E
D	29°22'17.67"N	77°42'10.12"E

E	29°22'16.64"N	77°42'9.38"E
F	29°22'18.15"N	77°42'7.41"E
G	29°22'14.86"N	77°42'4.77"E
H	29°22'15.89"N	77°42'3.27"E
I	29°22'19.08"N	77°42'5.96"E
J	29°22'21.71"N	77°42'6.33"E

6. Salient features of the project:

S. No	Components	Detail
1	Products and quantity	API/Bulk Drugs/ Pharmaceutical Products
2	Project Activity and Category as per EIA notification 2006	5 (f) Synthetic Organic Chemicals As per EIA Notification 2006, and Amendments thereof. As per the MoEF&CC's amendment of EIA Notification, 2006 [vide S.O. 2859 (E), dated 16/07/2021 and subsequent amendments,
3	Total Plot Area	30,439 sqm. (existing 12,964 sqm & additional 17475 sqm)
4	No. of Workers	260
5	Fresh Water Consumption	410 KLD
6	Fresh Water Source	Onsite tube-well
7	Power Load	3000 KVA (Existing 2000 KVA & additional 1000 KVA)
8	DG Capacity [power back up]	DG sets - Total capacity 1880 KVA. Low sulphur diesel is used as fuel in DG sets. 1@1000KVA, 1@500 KVA, 1@380 KVA One additional DG set of capacity 1250 KVA, shall be installed
9	ETP	Existing 120 KLD Proposed 200 KLD
10	Project Cost	66.92 Crore
11	Green area	10349.26 sqm (700 nos of tree proposed to be planted)

7. Proposed intermediates products:

S.No	Product Name	Proposed Quantity/ TPM
1	Para- Aminophenol (PAP)	400
2	Para- Nitrochlorobenzene (PNCB)	1000
3	Meta- Nitrochlorobenzene (MNCB)	70
4	Ortho- Nitrochlorobenzene (ONCB)	350
5	Ortho Chloro aniline (OCA)	150
6	Meta Chloro aniline (MCA)	200
7	Para Chloro aniline (PCA)	200
8	Ortho Anisidine	150
9	Para Anisidine	150
10	Ortho Nitroanisole	150
11	Para Nitroanisole	150
12	10-Methoxyiminostilbene	30.0

8. Water calculation details:

Sr. No.	Uses	Existing Water Requirement KLD				Proposed Water Requirement KLD			
		Fresh Water	Recycled	Total	Effluent Generation	Fresh Water	Recycled	Total	Effluent Generation
1	RO ED Plant Feed for Process, Reactor Cleaning, Boiler etc.	75	0	75	25	400	0	400	150
2	Floor Cleaning	0	3	3	3	0	9	9	9

3	Boiler	Included in RO Feed	12	12	10 (Blow Down)	Included in RO Feed	20	20	15
4	Cooling Tower Make-up	0	2	2	0.28	0	10	10	2
5	Domestic Uses (Drinking, Sanitation)	6	5	11	10	10	6	16	12
6	Gardening	0	10	10	0	0	20	20	0
7	Total	81	32	113	48.28	410	65	475	188

9. Energy requirement details:

• **Existing –**

Present power load of the existing unit is 2000 KVA which is sourced through Muzaffarnagar Power Corporation. The unit is having four (4) nos. of diesel generator (DG) sets of total capacity 1385 KVA [1@500 KVA, 2@380 KVA, 1@125 KVA] as backup supply during power failure. Low sulphur diesel is used as fuel in DG sets.

• **Proposed –**

The unit has applied for additional 1000 KVA power and has also proposed to install one steam turbine of 250 KW capacities.

10. The project proposal falls under category–5(f) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 20/05/2022 mentioning as follows:-

1. I, Akash Kumar S/o Late R.P. Verma, am EIA Coordinator of Paramarsh Servicing Environment and Development.
2. I have prepared report for the File No. 6810, Proposal No.- SIA/UP/IND3/247678/2021, of the client M/s Magma Industries Ltd. Addition & Expansion of API Drugs & Intermediates at Khasra No. C-24 to c-28, Plot No. C-24 To 28, UPSIDC Industrial Area, Meerut Road, Begrajpur, Khatauli, Muzaffarnagar, Uttar Pradesh, M/s Magma Industries Limited with my team.
3. I have personally visited the site of project proposal and certify that no construction activity has been undertaken in the expansion area.
4. I have satisfied with that all the necessary data/information required for EIA/EMP preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith specific conditions and following standard environmental clearance conditions:

Specific conditions:

1. Explore the possibilities of use of various by-products.
2. Development of spectrophotometric method for detection of formaldehyde in air and HPLC method for detection of formaldehyde in water.

3. On-site Disaster management plan approved by the Director of factories to be submitted.

Standard environmental clearance conditions:

1. Statutory compliance:
 - i. The project proponent should obtain necessary permission from Drug Controller, Govt. of India, within time frame.
 - ii. 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.
 - iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iv. 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 species in the study area).
 - v. 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.
 - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
 - vii. 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.
2. Air quality monitoring and preservation:
 - i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
 - iii. 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 PM_{2.5} 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.
 - iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. 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.
 - v. Storage of raw materials, coal etc, shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
 - vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
 - vii. 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.
3. Water quality monitoring and preservation:
 - i. The project proponent shall provide 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)
 - ii. The project proponent, 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). The project proponent shall ensure the Zero Liquid Discharge and no waste/treated water shall be discharge outside the premises
 - iii. 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.
- iv. 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.
 - v. 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.
 - vi. 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.
 - vii. 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.
 - viii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
 - ix. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
 - x. 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.
 - xi. 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.
 - xii. 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.
 - xiii. 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.
 - xiv. 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.
 - xv. 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.
 - xvi. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 - xvii. 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.
 - xviii. 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.
 - xix. All recharge should be limited to shallow aquifer.
 - xx. No ground water shall be used during construction phase of the project.
 - xxi. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
 - xxii. 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.
 - xxiii. 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. Dual pipelines plan

- for reuse of treated water on campus should be implemented.
- xxiv. No sewage or untreated effluent water would be discharged through storm water drains.
 - xxv. 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.
 - xxvi. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
 - xxvii. 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:
- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
 - ii. 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.
 - iii. 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.
5. Energy Conservation measures:
- i. The energy sources for lighting purposes shall preferably be LED based.
6. Waste management:
- i. 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.
 - ii. 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.
 - iii. The company shall undertake waste minimization measures as below:-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation
7. Green Belt:
- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
8. Safety, Public hearing and Human health issues:
- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 - ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
 - iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
 - iv. 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.
 - v. 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.
 - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vii. 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.
9. Corporate Environment Responsibility:

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
 - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation /violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / 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.
 - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
 - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.
 - v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
10. Miscellaneous:
- i. Environment Clearance subjected to condition of necessary permission from Drug Controller and Department of Industry.
 - ii. Monitoring of dioxin and furon from biomass fueled boiler should be done.
 - iii. Agreement with TSDF vendors shall be submitted.
 - iv. 100% waste water is to be treated in ETP conforming to prescribed standards of receiving body for designated use.
 - v. 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.
 - vi. 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.
 - vii. 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.
 - viii. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
 - ix. 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.
 - x. 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.
 - xi. 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.
 - xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
 - xiii. 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.
 - xiv. 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).
 - xv. 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.

- xvi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xviii. 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.
- xix. 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.
- xx. 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.

7. Proposed Development of Medical Device Park at Village- Rabpura & Muradgadi, Sector-28, Greater Noida, Uttar Pradesh, M/s Yamuna Expressway Industrial Development Authority. File No. 7076/Proposal No. SIA/UP/MIS/ 76666/2022

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro Pvt. Ltd. The project proponent informed that as per the Environmental Impact Assessment (EIA) Notification, September 14, 2006 and its amendments the proposed Medical Device Park Project is categorized under Category "B" and falls under Item 8(b) (Township & Area Development Projects) as total Development area is more than 50 Ha. It is a Industrial Estate Project but as per EIA Notification 2006, the area is less than 500 ha. but development area more than 50 ha it will be treated as activity listed at serial no. 8(b) in the Schedule.

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

1. The terms of reference are sought for Proposed Development of Medical Device Park at Village- Rabpura & Muradgadi, Sector-28, Greater Noida, Uttar Pradesh, M/s Yamuna Expressway Industrial Development Authority.
2. Total land area of the park is 350 Acres (141.64 Ha.) while the estimated available area for allotment to Medical Device Units is 193 Acres.
3. Salient features of the project:

DESCRIPTION	DETAILS
Type of Project	The Development of Medical Device Park at Village- Rabpura & Muradgadi, Sector-28, Greater Noida, District-Gautam Budh Nagar, Uttar Pradesh.
Project Proponent	M/s Yamuna Expressway Industrial Development Authority
Location	Village- Rabpura & Muradgadi, Sector-28, Greater Noida, District-Gautam Budh Nagar, Uttar Pradesh.
Total Plot Area	350 Acre (141.64 ha.)
Development Area	225 Acre (100 ha.)
Proposed Green Area	17.85 Acres
Estimated Population	55000 persons (Including Floating Population)
Total Water Requirement	10 MLD Source :- upper Ganga Canal and ground water
Electric Load	45 MV
STP Capacity	5 MLD
ETP Capacity	3MLD
Project Cost	Rs.439.49 Crores

4. Geo coordinates of the project site:

Pillars	Latitude (N)	Longitude (E)
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1	28° 13'34.22"N	77°34'52.77"E
2	28° 13'34.42"N	77°35'17.31"E
3	28° 13'32.67"N	77°35'29.32"E
4	28° 14'10.94"N	77°35'29.78"E
5	28° 14'10.68"N	77°34'30.71"E
6	28° 13'54.72"N	77°34'30.93"E
7	28° 13'44.70"N	77°34'53.06"E

5. Land use details:

Land Use Category	Area	Area	Area
	%	in Acres	in Sq. mtr
Industrial plots	55%	192.85	7,80,437
Common Facility	8%	28	1,13,312
Commercial	1%	3.5	14,164
Institutional	3%	10.5	42,492
Public and Semi-Public (Govt, Medical, Religious Place, etc)	3%	10.5	42,492
Open and Green Areas	5%	17.85	72,236
Roads & Parking + green areas	22%	78.4	3,17,274
Warehousing & logistics	2%	8.4	33,994
Total	100%	350	1416401

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

The consultant (EIA Coordinator) also submitted an affidavit dated 23/05/2022 mentioning as follows:-

1. I, Purushottam Kumar Sharma S/o Rajendra Prashad Sharma is EIA Coordinator of Ascenso Enviro Pvt. Ltd.
2. I have prepared TOR application report, category 8(b) for the proposal (SIA/UP/MIS/76666/2022 & Proposed Development of Medical Device Park at Village-Rabpura & Muradgadi, Sector-28, Greater Noida, Uttar Pradesh, M/s Yamuna Expressway Industrial Development Authority with my team.
3. I have personally visited the site of project proposal and certify that no construction activity has been started on the project site for the present proposal.
4. I have satisfied with that all the necessary data/information required for TOR application report preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal. In case the project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, UP on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

RESOLUTION AGAINST AGENDA NO-07

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

Additional Terms of Reference:

1. Requirement of water, power with source of supply, status of approval, water balance diagram at the time of EIA preparation.
2. The revised details of expected solid waste and hazardous waste generation to be prepared and also mention the base of the calculation. Plan/proposal for the treatment and disposal of municipal solid waste (MSW) and hazardous waste to be prepared and facility to be proposed

in the industrial area. The layout plan of the industrial area indicates location for the same within the industrial area.

3. The expected quantity of effluent to be calculated, base of calculation and characteristics of effluents. Revised Effluent Treatment Proposal based on modular system to be prepared and present at the time of EIA preparation.
4. Revised Plan/proposal for treatment of domestic/industrial effluents to be prepared along with the recycle, reuse proposal and present at the time of EIA presentation.
5. Drone videography of the project site

Standard terms of reference:

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

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

(Prof. Jaswant Singh)
Member, SEAC-2

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

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

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

(Ashish Tiwari)
Member-Secretary, SEAC-2

Nodal, SEAC-2

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

Annexure-1

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

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

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

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

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

Annexure-2

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board

19. The Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

B. Specific Conditions:

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan 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.