

Minutes of 564th SEAC-1 Meeting Dated 26/08/2021

The 564th meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 26/08/2021. Following members participated in the meeting:

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|----|-----------------------------|------------------|
| 1. | Shri Rajive Kumar, | Chairman, SEAC-1 |
| 2. | Dr. Ajai Mishra, | Member, SEAC-1 |
| 3. | Shri Om Prakash Srivastava, | Member, SEAC-1 |
| 4. | Dr. Brij Bihari Awasthi, | Member, SEAC-1 |
| 5. | Shri Umesh Chandra Sharma, | Member, SEAC-1 |
| 6. | Dr. Ratan Kar, | Member, SEAC-1 |

The Chairman welcomed the members to the 564th SEAC-1 SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

1. **Stone Mining at Gata No.-484, Village-Patti Kalan, The. -Chunar, Mirzapur, Shri Gulab Das, M/s Jai Maa Bhandari Stone, Area -0.948 ha. File No. 5167 Proposal No. SIA/UP/MIN/45561/2019**

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and directed the project proponent to submit the following information:

1. The coordinates given in ToR's & Mining plan are different from that given in the approved lease Map. The Project Proponent / Consultant should get it corrected by the competent authority.
2. KML file should be exhibited,
3. Consultant should improve the presentation quality. Letter in this regard should be sent to QCI, this time for information.

Note:- A letter should be written to DGM about the casual approach in providing the approved Map of the lease area Map mentioning the Geo-coordinates should be duly signed.

4. The presentation should mention that all plantations should be done during the first year and make sure that they survive. Detailed plantation plan with identification of green belt, type and number of plants/trees, and their location in consultation with forest department shall be formulated and implemented.
5. Project Proponent/Consultant should explore the possibilities of Solar light and water Conservation/harvesting around the mining site/area.

The matter shall be discussed after the submission of online information on the prescribed portal.

2. Stone Mining at Gata No./Araji No.-997mi, at Village- Sindhora, Tehsil-Sadar, Mirzapur, AlokDharDubey, Area -1.82 ha File No 6365/ 5119 Proposal No. SIA/UP/MIN/ 63569/2019

A presentation was made by the project proponent along with their consultant M/s Earth Vision India Associate Consultant. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. Environment Clearance is sought for Stone Mining at Gata No./Araji No.-997mi, at Village- Sindhora, Tehsil-Sadar, Mirzapur, AlokDharDubey, Area -1.82 ha
2. The terms of References in the matter were issued by SEIAA, U.P. Ref. No.: 215/Parya/SEAC/5119/2019 Dated 27 July 2020. The public hearing was organized on 17.10.2021.

1.	Name of Proponent	M/s SADGURU SUPPLIERS PROP. -AlokDharDubey S/o Shri Jai Prakash DharDubey		
2.	Registered Address	R/o- Village- Chhapka, Tehsil- Robertsganj, District- Sonebhadra, State- Uttar Pradesh		
3.	Full correspondence address of proponent and mobile no.	R/o- Village- Chhapka, Tehsil- Robertsganj, District- Sonebhadra, State- Uttar Pradesh		
		Mobile No.-		
		E-mail ID-		
4.	Name of Project	Building Stone (Stone) Mining Project		
5.	Project location Khasra No	Gata No.- 997 Mi		
6.	Name of Village	Sindhora		
7.	Tehsil	Sadar		
8.	District	Mirzapur, Uttar Pradesh		
9.	Name of Minor Mineral	Building Stone (Stone)		
10.	Total Area (in Ha.)	1.8200 Ha.		
11.	Mineable Area (in Ha.)	1.8200 Ha.		
12.	Pillar Coordinates (Verified by DMO)	Pillar No	Latitude	Longitude
		A	25°5'33.13"N	82° 48'30.23"E
		B	25° 5'33.11"N	82° 48'34.36"E
		C	25° 5'28.25"N	82° 48'34.45"E
		D	25° 5'28.05"N	82° 48'30.28"E
13.	Period of agreement between Project proponent & Land Owner	NA		
14.	Mine Plan approval details	Letter No.- 2074/MP/2016 Dated- 07/12/2018		
15.	Validity of Mine Plan	5 Years		
16.	Total Proposed Production/Year	18200 M ³		
17.	Proposed Production/Day	60.66M ³		
18.	Method of Mining	Opencast Semi Mechanised		
19.	No. of workers	52 Workers		
20.	Type of Land	Govt. Waste land		
21.	Ultimate Depth of Mining	6.0 m		
22.	Water Requirement	Source	Purpose	Avg. Demand/ Day
		Portable Tanker	Drinking & others @ 30lpcd/ worker	52 workers x 60 lpcd = 3.12 KLD

			3120 Lit/ day	
		Plantation @ 5 Lit/ plant	1820 sapling x 2.5 Lit = 4550 Lit/ day	4.55 KLD
		Dust suppression @ 1 Lit/ Sq.m (Twice in a day)	Haul Road Area = (780m Length x 6m Width	1.56 KLD
		Total		9.23 KLD
23	Name of QCI Accredited Consultant with QCI no. and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024		
24	Any litigation pending against the project or land in any court	No		
25	Areas that are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	None		
26	Areas occupied by sensitive manmade land uses (hospitals, schools, places of worship, community facilities)	Hospital: CHC Chunar Aprox. 7.30 KM NE School: Government Primary School Sindhora- 0.63 km NW Temple: Shiv Ji Temple Approx 3.54KM E		
27	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 594 Dated 29-06-2019		
28	Proposed CER cost	Rs. 2,00,000/-		
29	Proposed EMP cost	Rs. 8,10,900/-		
30	No. of Trees to be Planted.	1820		
31	Detail of CTE/CTO issued by UPPCB	NA		

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

RESOLUTION AGAINST AGENDA NO-02

The SEAC-1 observed that as per the approved Mining Plan by DGM dated 07/12/2018 the geo-coordinates of the lease area are mentioned as below.

Pillar No	N	E
A	25° 5'33.13"N	82° 48'30.23"E
B	25° 5'33.11"N	82° 48'34.36"E
C	25° 5'28.25"N	82° 48'34.45"E
D	25° 5'28.05"N	82° 48'30.28"E

However, the geo-coordinates in the ToR issued by SEIAA, U.P. vide ref. no.: 215/Parya/SEAC/5119/2019, dated 27th July 2020 are:-

<i>Points</i>	<i>Latitude</i>	<i>Longitude</i>
<i>A</i>	<i>25° 5'36.8"</i>	<i>82° 48'27.2"</i>
<i>B</i>	<i>25° 5'36.4"</i>	<i>82° 48'32.9"</i>
<i>C</i>	<i>25° 5'32.0"</i>	<i>82° 48'32.4"</i>
<i>D</i>	<i>25° 5'40.17"</i>	<i>82° 48'27.4"</i>

The committee noted that the coordinates given in ToR have been typed wrongly due to mistake in affidavit. The committee also noted that the Project Proponent/Consultant has submitted the final EIA report and the Public Hearing on the geo-coordinates as mentioned in mining plan.

The committee discussed the matter and recommended the grant of environmental clearance for the project proposal on the corrected geo-coordinates mentioned in mining plan along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:

1. Project Proponent/Consultant should explore the possibilities of Solar light and water Conservation/harvesting around the mining site/area.
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. 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.
4. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
5. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
6. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
7. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
8. 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.
9. 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.
10. 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.

11. 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.
12. 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.
13. The project proponent should explore the possibilities of rainwater harvesting.

3. Sand/ Morrum Mining for Production of 2,50.00 cubic/year or 4,50.00 TPA at Khasra No./Gata No.-191, 269/3, 270 to 277, 293/2, 375, 376, 378, 379,380 VillageSangolipurGarha, Tehsil-Khaga, Fatehpur., ShriAnuruddha Kumar Tiwari, M/s Tesmus Treading Pvt.Ltd.Area: 25 ha File No. 5730 Proposal No SIA/UP/MIN/ 54679/2020

A presentation was made by the project proponent along with their consultant M/s P & M Solution. 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 SangolipurGarha Sand/Morrum Mining Project at Khasra/Gata no. 191,269/3, 270 to 277,293/2,375,376,378,379,380, Village: SangolipurGarha, Tehsil: Khaga, District: Fatehpur, State: Uttar Pradesh. **M/s Tesmus Trading Pvt Ltd, (Leased Area 25.0 ha)**
2. The terms of References in the matter were issued by SEIAA, U.P. Ref. No.: 425/Parya/SEAC/5730/2019 Dated 15Oct 2020. The public hearing was organized on 03.03.2021.
3. **Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	M/s Tesmus Trading Pvt Ltd.		
2. Full correspondence address of proponent and mobile no.	M/s Tesmus Trading Pvt Ltd.Authorized Signatory - Vishal GargOffice No 203 Gupta Tower, 1 G Block CommunityCent Vikaspuri Delhi(Director – ShriAnirudh Kumar Tiwari)Address- 44 KalauliTeerDandaHamirpur 210201Shri Imran Ansari S/o Shri Ali Ahmad AnsariAddress- JindaurJamuaavoTekmaAzamgarh)		
3. Name of Project	SangolipurGarha Sand/Morrum Mining Project at Khasra/Gata no. 191,269/3, 270 to 277,293/2,375,376,378,379,380, Village: SangolipurGarha, Tehsil: Khaga, District: Fatehpur, State: Uttar Pradesh.		
4. Project location (Plot/Khasra/Gata No.)	Khasra/Gata no. 191,269/3, 270 to 277,293/2,375,376,378,379,380.		
5. Name of River	Yamuna River		
6. Name of Village	SangolipurGarha		
7. Tehsil	Khaga		
8. District	Fatehpur, Uttar Pradesh		
9. Name of Minor Mineral	Sand/Morrum Mining		
10. Sanctioned Lease Area (in Ha.)	25.0 ha		
11. Max. & Min mRLwithin lease area	87.0 mRL&82.0 mRL		
12. Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude N	Longitude E
	A	25°34.370' N	81°00.300'E
	B	25°33.858' N	81°00.410'E
	C	25°33.816' N	81°00.378'E
	D	25°34.396' N	81°00.117'E
	A1	25°34.035' N	81°00.240'E
	C1	25°33.929' N	81°00.204'E
	C2	25°34.022' N	81°00.085'E
13. Total Geological Reserves	3,89,304 m3		

14. Total Mineable Reserves in LOI	2,50,000 m ³	
15. Total Proposed Production (in five year)	12,50,000 m ³	
16. Proposed Production/year	2,50,000 m ³ /annum or 4, 50,000 TPA (as per LOI)	
17. Sanctioned Period of Mine lease	5 years	
18. Production of mine/day	1666.67 tonnes	
19. Method of Mining	Opencast Semi-mechanized.	
20. No. of working days	270	
21. Working hours/day	8	
22. No. Of workers	135	
23. No. Of vehicles movement/day	84	
24. Type of Land	Govt. Land	
25. Ultimate Depth of Mining	3.0 m	
26. Nearest metaled road from the site	SH-14	
27. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	1.35 KLD
	Suppression of dust	2.40 KLD
	Plantation	1.25 KLD
	Others (if any)	
	Total	5.00 KLD
28. Name of QCI Accredited Consultant with QCI No and period of validity.	P & M Solution Certificate No: NABET/EIA/1922/IA0053 Validity=10-12-2022	
29. Any litigation pending against the project or land in any court.	No	
30. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 783/30-Khanij (2020-21) dated 06/07/2020.	
31. Details of Lease Area in approved DSR	Attached	
32. Proposed CSR cost	RS-1,20,000 /-	
33. Proposed EMP cost	Capital Rs-3,50, 000/- Recurring cost- Rs 4,20,000	
34. Length and breadth of Haul Road	320 m, 6 m	
35. No. of Trees to be Planted	About 250 trees will be planted along both sides of roads and civic amenities in consultation with the local authorities.	

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

RESOLUTION AGAINST AGENDA NO-03

The SEAC-1 observed that the Geo- coordinates mentioned in Form-I and ToR's are different from those given in EIA report. The Geo-coordinates of the point A1 (25°34.635' N ,81°00.240'E) was wrongly mentioned in ToR due to typographical error in the affidavit submitted by the project proponent. It should be printed as A1(25°34.035' N,81°00.240'E).

However, when the committee examined the polygon formed by the Geo-coordinates given in ToR's and the Geo-coordinates required in the environment clearance, it is observed that the polygon formed by Geo-coordinates required in the environment clearance is slightly enclosed and fully covered formed by a polygon of geo-coordinates given in ToR's. This evolved that there will be no change in environmental parameters through the occurrence of this slight inward deviation. Therefore, The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at

annexure-2 & 3 to these minutes regarding the mining project. The environmental clearance is recommended on the following Geo Coordinated:

Pillar No.	Latitude N	Longitude E
A	25°34.370' N	81°00.300'E
B	25°33.858' N	81°00.410'E
C	25°33.816' N	81°00.378'E
D	25°34.396' N	81°00.117'E
A1	25°34.035' N	81°00.240'E
C1	25°33.929' N	81°00.204'E
C2	25°34.022' N	81°00.085'E

The committee also stipulated the following specific conditions:

1. Project Proponent/Consultant should explore the possibilities of Solar light and water Conservation/harvesting around the mining site/area.
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. 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.
4. Environment management should be according to the environmental status and impact of the project.
5. The selection of plants for the green belt should be based on the pollution removal index.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016 (as amended thereof).
7. *Pakkam* motorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Permission from the competent authority regarding the evacuation route should be taken.
10. The project proponent should ensure the survival of tree saplings. Mortality should be replaced from time to time.
11. Site Pit photographs should be submitted with date, time, and point-coordinate within 15 days.
12. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
13. Provision for the cylinder to workers should be made for cooking.
14. The capacity of trucks/tractors for loading purposes will be in tonnage as per Transport Department applicable norms and standard fixed by the Government.
15. Provide suitable masks to the workers.
16. Approach road *kaccha* is to be made motorable and tree saplings to be planted on both sides of the road.
17. Indigenous plants should be planted according to CPCB guidelines and in consultation with the local Divisional Forest Officer.
18. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
19. Provision for two toilets and hand pumps should be made at the mining site.
20. Drinking water for workers would be provided by tankers.
21. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016 (as amended thereof).
22. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
23. The Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.

24. Health/Insurance cards, medical claims, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
25. Measure for the conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activities in CER.
26. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. A suitable measure should be taken and details to be provided to concerned Department.
27. The width of the haul road shall be more than 6 meters.
28. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/production levels shall be decreased/stopped accordingly till the replenishment is completed.

4. Sand/Morrum Mine on the Betwa River bed at Gata No.-01 K, Khand No.-02, Village-Kukargaow, Tehsil-Tahrauli, Jhansi, Shri Bharat Pahwa, Area-9.712 Ha File No. 6368 Proposal No.SIA/UP/MIN/ 63993/2021

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Terms of Reference are sought for Sand/Morrum Mine on the Betwa River bed at Gata No.-01 K, Khand No.-02, Village-Kukargaow, Tehsil-Tahrauli, Jhansi, Shri Bharat Pahwa, Area-9.712
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s P.S.A. Contractor L.L.P. Prop. Shri Bharat Pahwa		
2.	Full correspondence address of proponent and mobile No.	Registered Address: 310 Vardhan Taru Plaza, C. U. Block, Pitampura, Delhi		
3.	Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River		
4.	Project location (Plot/Khasra/Gata No.)	Gata No: 01K (Khand 02)		
5.	Name of River	Betwa		
6.	Name of Village	Kukargaow		
7.	Tehsil	Tahrauli		
8.	District	Jhansi		
9.	Name of Minor Mineral	Sand/Morrum		
10.	Sanctioned Lease Area (in Ha.)	9.712		
11.	Max & Min mRL within the lease area	Max- 161 mRL and Min- 159.2 mRL		
12.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25°38'23.40"N	78°57'39.90"E
		B	25°38'29.40"N	78°57'36.00"E
		C	25°38'18.90"N	78°57'21.10"E
		D	25°38'13.80"N	78°57'24.40"E
		E	25°38'21.20"N	78°57'35.80"E
		Workable area		
		A	25°38'23.40"N	78°57'39.90"E
		B	25°38'29.40"N	78°57'36.00"E
		I	25°38'22.40"N	78°57'25.08"E
		H	25°38'20.87"N	78°57'26.40"E
		G	25°38'19.27"N	78°57'24.03"E
		F	25°38'14.68"N	78°57'23.73"E

	D	25°38'13.80"N	78°57'24.40"E
	E	25°38'21.20"N	78°57'35.80"E
	Non-Workable Area		
	I	25°38'22.40"N	78°57'25.08"E
	C	25°38'18.90"N	78°57'21.10"E
	F	25°38'14.68"N	78°57'23.73"E
	G	25°38'19.27"N	78°57'24.03"E
	H	25°38'20.87"N	78°57'26.40"E
13. Total Geological Reserves	2,41,136 cum		
14. Total Mineable Reserves in LOI	1,45,680 cum		
15. Total Proposed Production	1,45,680 cum		
16. Proposed Production/year	1,45,680 cum		
17. Sanctioned Period of Mine lease	5 years		
18. Production of mine/day	560.30		
19. Method of Mining	Open Cast Semi-Mechanized Method		
20. No. of working days	260 days		
21. Working hours/day	8 hrs		
22. No. of workers	52		
23. No. of vehicles movement/day	43		
24. Type of Land	Government waste land		
25. Ultimate Depth of Mining	2.04		
26. Nearest metalled road from the site	1.0 km		
27. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.52
	Suppression of dust		5.1
	Plantation		0.5
	Others (if any)		-
	Total		6.12
28. Name of QCI Accredited Consultant with QCI no. and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
29. Any litigation pending against the project or land in any court	No		
30. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, given by the Mining officer		
31. Details of Lease Area in approved DSR	Yes, the area is in DSR		
32. Proposed CER cost	Rs 1,65,000 /-		
33. Proposed EMP cost	Rs 6,00,500 /-		
34. Length and breadth of Haul Road	Length: 0.42 km, width: 6 m		
35. No. of Trees to be Planted	250 plants		

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

RESOLUTION AGAINST AGENDA NO-04

The committee discussed the matter and noted that the coordinates of the lease in the DSR amendment report vide letter no. 184/M228/2017(khanijNiti)-DSR dated 01/07/2021 is different from the coordinates in form 1 and the mining plan. The committee directed the project proponent to submit a clarification regarding the aforesaid matter and a copy of the

certified lease map with geocoordinates in ammonia print. The matter will be discussed after the submission of online information on the prescribed portal.

5. Granite Mine at Gata No.-1876, Khand No.-07 at Village- Girwan, Tehsil- Naraini, Banda. Smt. Deepali Singh, Area-0.8 ha., File No. 6370 Proposal No. SIA/UP/MIN/ 64011/2021.

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 Terms of References are sought for Granite Mine at Gata No.-1876, Khand No.-07 at Village- Girwan, Tehsil- Naraini, Banda. Smt. Deepali Singh, Area-0.8 ha.
2. **Salient features of the project as submitted by the project proponent:**

S.No	Information	Details			
1.	ProjectName	Granite,Khandas,Gitti,Boulder MiningProject			
2.	ProjectProponent	M/sBundelkhandRocks SmtDeepaliSinghW/oShriK.PSingh			
3.	ProjectCoordinates	Co-ordinatesoftheprojectsite			
		Pillars	Latitude(N)	Longitude(E)	
		A	25°18'35.21"N	80°22'54.19"E	
		B	25°18'35.73"N	80°22'55.62"E	
		C	25°18'34.43"N	80°22'57.30"E	
		C1	25°18'32.53"N	80°22'56.99"E	
		C2	25°18'31.79"N	80°22'57.97"E	
		D	25°18'30.54"N	80°22'56.40"E	
4.	Toposheet No.	63C/7			
5.	The altitudeoftheArea	HighestPoint:151mRL LowestPoint:141mRL			
		GataNo. 1876 (Khand No-07)			
	LeaseHoldArea	0.8Ha.			
	Village	Girwan			
	Tehsil	Naraini			
	District	Banda			
	State	UttarPradesh			
	Water requirement	Source	Purpose	Detail	Avg. Demand/Day
		Portable Tanker	Drinking@ 15lpcd/worker	27 workers x 15lpcd = 405lit/day	0.405KLD
			Land reclamation /plantation @ 5 Lit/Tree	160Trees x5lpcd = 800 Lit/day	0.8KLD
			Mine operation /others	-	1.0 KLD
			Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Haul Road Area = (140m Length x 7m Width = 980m ²) x 1 lit/sq.m = 980 litx 2(Twice per day) = 1960 lit/day	1.96 KLD
		Total			4.165 KLD
7.	Categoryof	Category:B1 Sincethetotalareaexceeds 5Ha,			

	theProject	thereforeas perMoEF&CC,GoIO.M. No. L-11011/175/2018-IA-II(M)Dated: 12/12/2018 if a cluster or an individual leaseexceeds5Ha(ClusterCertificateattachedasAnnexure)theEIA/EMP be made applicable in the process of grant ofpriorEnvironmentalClearance.
8.	LeaseStatus	NewMine,DistrictMagistratehasgivenconsentvideletterno.3594/खनिज-30, Banda, Dated21/01/2021 forthe exploitationfor10Years. Letter ofIntentisAttachedasAnnexureI.
9.	Topographyof Mineleasearea	Non-agricultural,non-forest,barren,rockyupland
10.	Nameof theMineral	Granite,Khandas,Gitti,Boulder
11.	ModeofMining	OpenCast,ManualMine
12.	GeologicalReserve	3,58,230m ³
13.	MineableReserve	88,627m ³
14.	CapacityofProduction	8,000 m ³ per annum
15.	Lifeof mine	10Years
16.	Drilling/Blasting	Yes(DrillingandBlastingwillbedonewhenrequired)
17.	ManPower Used	27
18.	LandutilizationPattern	Theexistinglanduseoftheareaisnon-agricultural,non-forest,barren, rockyupland
19.	Project Cost	Rs.64.0 Lakhs
20.	CERCost	Rs. 3.20 Lakhs(5%ofthetotalProjectCost)
21.	EMP Cost	Rs.14.58 Lakhs
22.	Waterrequirements andsource	Water Requirement: 4.165 KLD of water will be used fortheprojectsite(DustSuppression,Mineoperation,Drinking,domestic use, andsprinkling) Source: Potabletankerswillbethesourceofthewater.
23.	Solidwaste	None
24.	Plantation	160treeswill beplanted

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

RESOLUTION AGAINST AGENDA NO-05

Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining committee discussed the matter and recommended to issue the terms of References

(ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.

6. Stone Mine at Araj No./Plot No./Gata No.-174, Khand No.-B/10, at Village- Bangaliya, Tehsil-Meja, Prayagraj. Smt. Usha Rani Gavri, M/s M.K.A. Enterprises., Area-2.428 ha., File No. 6371 1 Proposal No. SIA/UP/MIN/ 64027/2021

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 References are sought for Stone Mine at Araj No./Plot No./Gata No.-174, Khand No.-B/10, at Village- Bangaliya, Tehsil-Meja, Prayagraj. Smt. Usha Rani Gavri, M/s M.K.A. Enterprises., Area-2.428 ha.,
2. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s M.K.A. Enterprises Usha Rani Gavri (Prop)		
2.	Full correspondence address of proponent and mobile no.	M/s M.K.A. Enterprises Usha Rani Gavri (Prop) W/o Shri Hemandas Gavri Office Add: 3rd Floor, Flat No.104, Skandh Apartment, Lukarganj, Prayagraj. Permanent Add: - 21A, Lukarganj (Near Police Chowki) Thana- Kuldabad, Tehsil- Sadar, District – Prayagraj U.P.- 211001 Mobile no. – 9628559000 E mail ID - ushastone00@gmail.com		
3.	Name of Project	Environment Clearance of Proposed Building Stone (Khanda, Boulder, Gitty) Sandstone mine at Araj No. /Plot No. Gata No- 174, Khand No.-B/10, Area 2.428 ha (6.0 Acres) at Village – Bangaliya, Tehsil-Meja, District- Prayagraj, Uttar Pradesh of M/s M.K.A. Enterprises		
4.	Project Location (Plot. Khasra/Gata No.)	<i>Gata No- 174, Khand No.-B/10</i>		
5.	Name of River	Ganga River- 4.77 km (E), Tamas River– 22.0 Km (NW)		
6.	Name of Village	Village – Bangaliya		
7.	Tehsil	Meja		
8.	District	Prayagraj		
9.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Gitty)		
10.	Sanctioned Lease Area (in Ha.)	2.428 ha		
11.	Max. & Min mRL within the lease area	Highest mRL 112.20 Lowest mRL 103.0		
12.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25° 08.212"N	82° 16.703"E
		B	25° 08.220"N	82° 16.750"E
		C	25° 08.102"N	82° 16.814"E
		D	25° 08.060"N	82° 16.768"E
13.	Total Geological Reserves	3,75,710 m ³ / 10,51,988 Tonnes		
14.	Total Mineable Reserve	2,40,756 m ³ / 6,74,116 Tonnes		
15.	Total Proposed Production	1,21,400 m ³ (5 years)		

16	Proposed Production /year (as per LoI)	24,280 m ³ /annum 67,984 Tonnes Per Annum
17	Sanctioned Period of Mine lease	5 years
18	Production of mine/day	81.0 m ³ /day
19	Method of Mining	Opencast, /Semi-mechanized method with the help of drilling & blasting with prior permission taken from The Director of Mines safety Varanasi U.P. under regulation 106 (b) of MMR 1961.
20	No. of working days	300
21	Working hours/day	8
22	No. of worker	36
23	No. of vehicles movement/day	11
24	Type of Land	Govt./Non-Forest Land
25	Depth of Mining	6.0 m
26	Nearest metalled road from the site	0.70 km
27	Water Requirement	PURPOSE
		Drinking - 0.36 KLD
		Suppression of dust - 8.4 KLD
		Plantation - 0.295 KLD
		Others (if any) - 0.00 KLD
		Total - 9.05 KLD
28	Name of QCI Accredited Consultant with QCI no. and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120, Valid till – 19/10/2021
29	Any litigation pending against the project or land in any court	No
30	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 757/Khanij/2020-21, dated 6/03/2021
31	Details of Lease Area in approved DSR	Serial no. 422, Page no. 39
32	Project Cost	1.30 Crore/year
33	Proposed CER cost	2.60 lacs/annum
34	Length and breadth of Haul Road	Length – 0.70 km, Breadth – 6.00 m
35	No. of Trees to be Planted	295

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

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated flowing additional ToR:

- The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
- Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/3/19/54331 dated 24-05-2021 wherein, it is mentioned that “*the height of the bench should be maximum 1 meter and width should be minimum 10 meters. Mining will be done up to a maximum depth of 3 meters or till the water level whichever is less. Mining will be done from 0 levels upward*”. However, there is a discrepancy in the depth of mines in

the mining plan. Proper clarification regarding the above should be submitted during the EIA presentation.

7. Stone Mining at Gata No.-989, Khand No.-16, Village- Makarbai ,TehsilSadar, Mahoba. Shri Rahul Singh, Area-4.048 ha., File No. 6373Proposal No. SIA/UP/MIN/ 64029/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Terms of References are sought for Stone Mining at Gata No.-989, Khand No.-16, Village- Makarbai, TehsilSadar, Mahoba. Shri Rahul Singh, Area-4.048 ha
2. **Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	Proponent- Shri Rahul Singh S/o ShriRajendra Kr. Singh		
2. Full correspondence address of proponent and mobile no.	R/o- Raja Nivas ,Kalukuan, Thana-Kotwali,District-Banda		
3. Name of Project	Building Stone-Khanda, Boulder, Ballast (Gitti)		
4. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 16),		
5. Name of River	NA		
6. Name of Village	Makarbai		
7. Tehsil	Sadar		
8. District	Mahoba (U.P.)		
9. Name of Minor Mineral	Building Stone-Khanda, Boulder, Ballast(Gitti)		
10. Sanctioned Lease Area (in Ha.)	4.048 Ha.		
11. Mineable Area (in Ha.)	3.38 Ha. (Safety Margin 0.668 Ha.)		
12. Zero level mRL	NA		
13. Max. & MinmRL within the lease area	Maximum & Minimum mRL is 232.20 & 220 mRL respectively.		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°20'1.657"	79°59'21.111"
	B	25°20'2.079"	79°59'22.433"
	C	25°20'1.681"	79°59'24.594"
	D	25°19'47.549"	79°59'22.227"
	E	25°19'48.931"	79°59'19.369"
15. Total Geological Reserves	8,63,408 m ³		
16. Sanction Quantity as per LOI	2,50,000 m ³ per year as per LOI		
17. Total Proposed Production	5,00,000 m ³ in two years		
18. Proposed Production/year	2,50,000 m ³ per year		
19. Sanctioned Period of Mine lease	10 Years as per LOI		
20. Production of mine/day	833.33 m ³ /day		
21. Method of Mining	Open cast, Mechanized		
22. No. of working days	300		
23. Working hours/day	8 hours/day		
24. No. Of workers	18		
25. No. Of vehicles movement/day	16-17 Vehicles movement/day		
26. Type of Land	Building Stone-Khanda, Boulder, Ballast(Gitti)		
27. Ultimate Depth of Mining	6.0 m		
28. Nearest metalled road from the site	NH-76 is about 4.10 km towards North-West direction from the project site.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.28 KLD	
	Dust suppression	4.2 KLD	

	Plantation	2.0 KLD
	Others (if any)	-
	Total	6.48 KLD Approx.)
30. Name of QCI Accredited Consultant with QCI no. And the period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec 2022	
31. Any litigation pending against the project or land in any court	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7981/ MMC-30/2020-21 Date-30/01/2021	
33. Details of Lease Area in approved DSR	Corrigendum Letter no: 154/M.M.C-30-Khanij (2021-22) dated 12/05/2021	
34. Proposed EMP cost	Rs 41,16,000/-	
35. Proposed Total Project cost	Rs. 90,00,000/-	
36. Length and breadth of Haul Road	350 m length and 6.0 m width	
37. No. of Trees to be Planted	2000	

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

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated flowing additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
 2. Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/4/27/56678 dated 28-07-2021 wherein, it is mentioned that *“the height of the bench should be maximum 1 meter and width should be minimum 10 meters. Mining will be done up to a maximum depth of 3 meters or till the water level whichever is less. Mining will be done from 0 levels upward”*. However, there is a discrepancy in the depth of mines in the mining plan. Proper clarification regarding the above should be submitted during the EIA presentation. The mining plan is for two years, the validity of environment clearance shall be co-terminus if granted.
- 8. Stone Mining at Gata No.-989, Khand no.-03, Village- Makarbai, TehsilSadar,Mahoba, ShriVinay Kumar Rai.,Area-0.809 ha.,File No. 6374 Proposal No. SIA/UP/MIN/64033/2021**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow (U.P). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Terms of References are sought for Stone Mining at Gata No.-989, Khand no.-03, Village- Makarbai, TehsilSadar,Mahoba, ShriVinay Kumar Rai.,Area-0.809 ha
2. **Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	ShriVinay Kumar Rai S/o-ShriRajnathRai,		
2. Full correspondence address of proponent and mobile no.	R/o-Amrat Colony, Gandhi Nagar Tehsil & District- Mahoba (U.P.)		
3. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
4. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 03),		
5. Name of River	NA		
6. Name of Village	Makarbai		
7. Tehsil	Sadar		
8. District	Mahoba (U.P.)		
9. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
10. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
11. Mineable Area (in Ha.)	0.573 Ha. (Safety Margin 0.2360 Ha.)		
12. Zero level mRL	NA		
13. Max. & MinmRL withinthe lease area	Maximum & Minimum mRLis 200.95& 190.10 mRL respectively.		
14. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°19'50.419"	79°59'35.913"
	B	25°19'50.664"	79°59'38.074"
	C	25°19'46.191"	79°59'37.740"
	D	25°19'45.438"	79°59'35.614"
15. Total Geological Reserves	2,12,251 m ³		
16. Sanction Quantity as per LOI	40,000 m ³ per year as per LOI		
17. Total Proposed Production (in five years)	74,400 m ³ in two years		
18. Proposed Production/year	40,000 m ³ per year		
19. Sanctioned Period of Mine lease	10 Years as per LOI		
20. Production of mine/day	133.33 m ³ /day		
21. Method of Mining	Open cast, Mechanized		
22. No. of working days	300		
23. Working hours/day	8 hours/day		
24. No. Of workers	39		
25. No. Of vehicles movement/day	16-17 Vehicles movement/day		
26. Type of Land	Building Stone (Khanda, Boulder, Ballast (Gitti) Mining Project		
27. Ultimate Depth of Mining	6.0 m		
28. Nearest metalled road from the site	NH-76 is about 4.51 km towards the West direction from the project site.		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.49 KLD	
	Dust suppression	2.64 KLD	
	Plantation	0.4 KLD	
	Others (if any)	-	
	Total	3.53 KLD Approx.	
30. Name of QCI Accredited Consultant with QCI no. And the period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec 2022		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7425/ MMC-30/2020-21 Date- 16/12/2020		
33. Details of Lease Area in approved DSR	Amendment		

	Letter no: 154/M.M.C-30-Khanij (2021-22) dated 12/05/2021
34. Proposed EMP cost	Rs 21,21,200/-
35. Proposed Total Project cost	Rs. 70,00,000/-
36. Length and breadth of Haul Road	220 m length and 6.0 m width
37. No. of Trees to be Planted	400

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

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated flowing additional ToR:

- The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
- Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/6/7/69799 dated 28-07-2021 wherein, it is mentioned that *“the height of the bench should be maximum 1 meter and width should be minimum 10 meters. Mining will be done up to a maximum depth of 3 meters or till the water level whichever is less. Mining will be done from 0 levels upward”*. However, there is a discrepancy in the depth of mines in the mining plan. Proper clarification regarding the above should be submitted during the EIA presentation.
- Compliance report regarding previous environmental clearance during EIA presentation should be submitted.

9. Stone Mine at Araj No./Plot No./Gata No.-174, Khand No.-B/11, VillageBangaliya, Meja, Prayagraj, M/s J.H.Traders,Area-4.048 ha., File No. 6375Proposal No. SIA/UP/MIN/64039/2021

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: -

- The Terms of References are sought for Stone Mine at Araj No./Plot No./Gata No.-174, Khand No.-B/11, VillageBangaliya, Meja, Prayagraj, M/s J.H.Traders,Area-4.048 ha
- Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s J.H. Traders HemandasGavri (Prop)
2.	Full correspondence address of proponent and mobile no.	M/s J.H. Traders HemandasGavri (Prop) S/o ShriChanchal Das Gawri Add: - 21A, Lukarganj (Near Police Chowki),Thana-Kuldabad Tehsil- Sadar, District – Prayagraj U.P.- 211001 Mobile no. – 9369243591 E mail ID - dasstone9@gmail.com
3.	Name of Project	Regarding Terms of References (ToR) for Environment Clearance of Proposed Building Stone (Khanda,

		Boulder, Gitti) Sandstone mine at Arajji No. /Plot No. Gata No- 174, Khand No.-B/11, Area 4.048 ha (10.0 Acres) at Village – Bangaliya, Tehsil- Meja, District- Prayagraj, Uttar Pradesh of M/s J.H. Traders		
4.	Project Location (Plot. Khasra/Gata No.)	Gata No- 174, Khand No.-B/11		
5.	Name of River	Ganga River- 4.77 km (N) Tamas River– 22.0 Km (NW)		
6.	Name of Village	Village – Bangaliya		
7.	Tehsil	Meja		
8.	District	Prayagraj		
9.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Gitti)		
10.	Sanctioned Lease Area (in Ha.)	4.048 ha		
11.	Max. & Min mRL within the lease area	Highest mRL 107.10 Lowest mRL95.10		
12.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25° 08.253"N	82° 16.716"E
		B	25° 08.290"N	82° 16.815"E
		C	25° 08.182"N	82° 16.877"E
		D	25° 08.102"N	82° 16.814"E
13.	Total Geological Reserves	10,99,816 m ³ / 30,79,484 Tonnes		
14.	Total Mineable Reserve	5,99,712 m ³ / 16,79,193 Tonnes		
15.	Total Proposed Production	2,02,400 m ³ (5 years)		
16.	Proposed Production /year (as per LoI)	40,480 m ³ /annum, 1,13,344 TPA		
17.	Sanctioned Period of Mine lease	5 years		
18.	Production of mine/day	135 m ³ /day		
19.	Method of Mining	Opencast, /Semi-mechanized method with the help of drilling & blasting with prior permission taken from The Director of Mines safety Varanasi U.P. under regulation 106 (b) of MMR 1961.		
20.	No. of working days	300		
21.	Working hours/day	8		
22.	No. of worker	44		
23.	No. of vehicles movement/day	27		
24.	Type of Land	Govt./Non-Forest Land		
25.	Depth of Mining	5 m		
26.	Nearest metalled road from the site	0.60 km		
27.	Water Requirement	PURPOSE		
		Drinking - 0.44 KLD		
		Suppression of dust - 7.20 KLD		
		Plantation - 0.26 KLD		
		Others (if any) - 0.00 KLD		
		Total - 8.0 KLD		
28.	Name of QCI Accredited Consultant with QCI no. and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120, Valid till –October 2021		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 759 /Khanij/2020-21, dated - 06/03/2021		
31.	Details of Lease Area in approved	Serial no. 422, Page no. 39		

	DSR	
32.	Project Cost	1.70 Crore/year
33.	Proposed CER cost	3.4 lacs/annum
34.	Length and breadth of Haul Road	Length – 0.60 km, Breadth – 6.00 m
35.	No. of Trees to be Planted	260

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

RESOLUTION AGAINST AGENDA NO-09

The committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated flowing additional ToR:

- The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.
- Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/3/20/54538 dated 24-05-2021 wherein, it is mentioned that “*the height of the bench should be maximum 1 meter and width should be minimum 10 meters. Mining will be done up to a maximum depth of 3 meters or till the water level whichever is less. Mining will be done from 0 levels upward*”. However, there is a discrepancy in the depth of mines in the mining plan. Proper clarification regarding the above should be submitted during the EIA presentation.

10. Stone Mining at Gata No.-989, Khand no.-13, Village-Makarbai, Tehsil Sadar, Mahoba, Smt. Sheel Singh Chandel., Area-1.214 ha., File No. 6377 Proposal No. SIA/UP/MIN/ 64051/2021

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: -

- The Terms of References are sought for Stone Mining at Gata No.-989, Khand no.-13, Village-Makarbai, Tehsil-Sadar, Mahoba, Smt. Sheel Singh Chandel., Area-1.214 ha
- Salient features of the project as submitted by the project proponent:**

1. Name of Proponent	Smt. Sheel Singh Chandel W/o Shri Harpal Singh					
2. Full correspondence address of proponent and mobile no.	R/o- Nayapur, Naikana Tehsil & District: Mahoba, U.P. Pin Code- 210427					
3. Name of Project	Khandas-Boulder /Gitti-Ballast Mining Project					
4. Name of River/Canal	• Village Pond, 0.70 km, SE					
5. Project location (Plot/Khasra/Gata No.)	Gata No - 989 (Khand No - 13), Area: 1.214 Ha, Village: Makarbai, Tehsil: Sadar, District: Mahoba, State: Uttar Pradesh					
6. Name of Minor Mineral	Khandas-Boulder /Gitti-Ballast					
7. Schedule (as per EIA notification 2006)	1(a)i					
8. Category of Project	B(1)					
	S. No.	Village	Gata No.	Khand No.	Area (Ha)	Land Status

	1	Makarbai	935	1	3.643	Proposed	
	2	Makarbai	989	1	1.619	Proposed	
	3	Makarbai	989	2	0.809	Proposed	
	4	Makarbai	989	3	0.809	Proposed	
	5	Makarbai	989	4	0.809	Proposed	
	6	Makarbai	989	5	0.809	Proposed	
	7	Makarbai	989	6	1.619	Proposed	
	8	Makarbai	989	7	0.809	Proposed	
	9	Makarbai	989	8	1.619	Proposed	
	10	Makarbai	989	9	0.809	Proposed	
	11	Makarbai	989	10	1.619	Proposed	
	12	Makarbai	989	11	0.809	Proposed	
	13	Makarbai	989	12	1.214	Proposed	
	14	Makarbai	989	13	1.214	Proposed	
	15	Makarbai	989	14	1.214	Proposed	
	16	Makarbai	989	16	4.048	Proposed	
	17	Makarbai	989	17	4.048	Proposed	
	18	Makarbai	989	18	1.619	Proposed	
	19	Makarbai	989	19	1.619	Proposed	
	20	Makarbai	989	20	0.809	Proposed	
		Total				31.567 Ha	
	Since the total area exceeds 5Ha, therefore as per MoEF&CC, Gol O.M. No. L-11011/175/2018-IA-II (M) Dated: 12/12/2018 if a cluster or an individual lease exceeds 5 Ha (Cluster Certificate attached as Annexure) the EIA/EMP be made applicable in the process of grant of prior Environmental Clearance.						
9. Sanctioned Lease Area (in Ha.)	Total Lease Area: 1.214 Ha						
10. Mineable/Workable Area (in Ha.)	1.214 Ha						
11. Project Status	New Mine, As per LOI letter No. 7792/ एम. एम. सी. -30/आपप/2020, Dated 18/01/2021, Mining Lease area granted for 10 years having production capacity 60,000m³ / annum						
12. Pillar Coordinates (Verified by DMO)	Pillars		Latitude(N)		Longitude(E)		
	A		25°20'0.687"N		79° 59'26.490"E		
	B		25°19'59.614"N		79° 59'28.188"E		
	C		25°19'52.740"N		79° 59'26.943"E		
	D		25°19'53.621"N		79° 59'25.242"E		
Toposheet No:54O-15 & 63C-3							
13. Max. & Min mRL within the lease area	Highest Point:228mRL Lowest Point:190mRL						
14. Total Geological Reserves	5,03,163 m ³						
15. Total Mineable Reserves	3,05,353 m ³						
16. (In approved mining plan)							
17. Proposed Production/year	60,000 m ³						
18. Sanctioned Period of Mine lease	10 years						

19. Production of mine/day	230.76 m ³ /day (646.15 T/day) Bulk Density =2.8			
20. Method of Mining	Method	Technology	Tools/ Machines	
	Manual mining with drilling and blasting	Opencast, semi-mechanized (Other than fully mechanized)	Jack hammer drill rods, Blasting material	
21. No. of Working days	260 Days			
22. Working hours/day	8 hours/day			
23. No. of Workers	35			
24. No. of vehicles movement/day	65 Units (Assumed Loading Capacity: 10 m ³ /Unit)			
25. Type of Land	State Government Land			
26. Ultimate Depth of Mining	48 m (228 mRL – 180 mRL) (source: Approved Mining Plan)			
27. Nearest metalled road from the site	930 m			
28. Water Requirement	Source	Purpose	Detail	Avg. Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	35 workers x 15lpcd = 525lit/day	0.525KLD
		Land reclamation/plantation @2 Lit/Tree	250Treesx2lpcd) = 500 Lit/day	0.500 KLD
		Dust suppression twice a day (Haulage Road Area) @1 Lit/Sq.m	Haul Road Area = (930m Length x 7m Width = 6510m ²) x 1 lit/sq.m = 6510 litx 2(Twice per day) = 13,020 lit/day	13.02 KLD
	Total			14.045 KLD
29. Name of QCI Accredited Consultant with QCI no. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till September 29/2021			
30. Any litigation pending against the project or hand in any court	No			
31. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi Letter No. 7970/एम.एम. सी30/2020-21, Date - 30/01/2021			
32. Details of Lease Area in approved DSR	Sr No. 2, Letter No. 6281/एम°एम°सी°-30खनिज/2020-21, दिनांक27-02-2021			
33. Total Cost of Project	Rs. 219.31Lakhs			
34. Proposed CER Cost	Rs. 4.40 Lakhs (2% of the total Project Cost)			
35. Proposed EMP Cost	Rs. 35.31 Lakhs			
36. Length and breadth of Haul Road	Length 930 m & Width 7 m			

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

RESOLUTION AGAINST AGENDA NO-10

Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. The remaining committee discussed the matter and recommended to issue the terms of References (ToR) for the preparation of EIA as annexed at annexure-4. The committee also stipulated following additional ToR:

1. The project proponent/Consultant should identify the core & buffer zone (2.5km) of the mining site.

Annexure-1

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the regional office, MoEF, 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 Regional Office, MoEF, 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 MoEF, GoI, Lucknow, and State Pollution Control Board
19. The Regional Office, MoEF, 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 Regional Office of the MoEF, 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.
6. Explosive cannot be stored on the site.
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 Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the 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.
 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 expense. The roads shall be blacktopped.
 17. Rainwater harvesting shall be undertaken to recharge the groundwater source.
 18. Status of implementation shall be submitted to the 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 Regional Office, MoEF, 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 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 Regional Office, Ministry of Environment & Forests, 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 Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
 40. Project Proponent shall explore the possibility of using solar energy where ever possible.
 41. Commitment towards CER has to be followed strictly.
 42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
 43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
 44. The blasting will be done only after getting permission from the Mining Department.

Annexure-2

GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM MINING PROPOSALS

General Conditions:

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

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

38. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
39. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
40. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche, etc. (MoEF circular Dated: 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at the site).
41. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. The occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures if needed.
42. A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, ZilaParishad/ Municipal Corporation, Urban Local Body, and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
43. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
44. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on the river bank or along the roadside (Avenue Plantation).
45. Debris from the river bed will be collected and stored at a secured place and may be utilized to strengthen the embankment.
46. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include a measure for treatment of bite of poisonous reptile/insect-like snake.
47. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Annexure-3

Specific Conditions for Sand/Moram Mining: -

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National Park/ Sanctuary prior permission of the statutory committee of National Board for wildlife under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of a cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The leaseholder shall mandatorily follow cluster conditions otherwise it will amount to a violation of E.C. conditions. If the certificate related to the cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid the ponding effect and adverse environmental conditions for sand mining in the area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo-coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. 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 a cluster of areas equal or more than 05ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for the midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi-mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machines such as excavators, scoopers, etc. should not be employed for mining purposes. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of the precise area to control and avoid erosion of the riverbank. The mining is confined to the extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to the plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e., the distance from the bank of the river to be left un-worked (non-mining area), distance from the bridges, etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records

maintained. For this purpose, a schedule of health examinations of the workers should be drawn and followed accordingly.

15. The critical parameters such as PM10, PM2.5, SO₂, and NO_x in the ambient air within the impact zone shall be monitored periodically. Further, the quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before the expiry of the present mining plan.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO₂, and NO_x. 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.
21. The common road for transportation of minerals is to be maintained collectively. The total cost will be shared/worked out based on lease area among users.
22. The proponent will provide adequate sanitary facilities in the form of mobile toilets to the labours engaged in the project work.
23. Solid waste material viz., *gutkha* pouches, plastic bags, glasses, etc. to be generated during project activity will be collected in separate storage in bins and managed as per Solid Waste Management rules.
24. Green area/belt to be developed along haulage road in consultation with Gram Sabha/Panchayat.
25. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
26. Digital processing of the entire lease area in the district using remote sensing techniques should be done regularly once in three years for monitoring the change of river course by the Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P., and UPPCB.
27. A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from whom suggestion/representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
28. State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre, and Collector's office/Tehsildar's Office for 30 days.
29. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at the web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
30. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.

31. 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.
32. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
33. Wastewater from potable use should be collected and reused for sprinkling.
34. During the school opening and closing time, vehicle movement will be restricted.
35. A width of not less than 50 meters or 10% width of the river can be restricted for mining activities from the river bank. A condition can be imposed that mining will be done from river activities from the river bank.

Annexure-4

Terms of Reference for the Mining Project

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year before 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 before 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 an 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 the Survey of India Toposheet on a 1:50,000 scale indicating a geological map of the area, geomorphology of landforms 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 the 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 spelled out in the EIA report with the 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 the 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. The 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 the 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 the 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 specifically indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may apply to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of the 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 along with 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. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. 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 the shifting of the village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22. 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 the 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.
23. Air quality modeling should be carried out for the prediction of the impact of the project on the air quality of the area. It should also take into account the impact of the movement of vehicles for the transportation of minerals. 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 specifically 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.
24. The water requirement for the Project, its availability, and source should be furnished. A detailed water balance should also be provided. Freshwater requirements for the Project should be indicated.
25. Necessary clearance from the Competent Authority for the drawl of the requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given.
27. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. The 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.
29. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
30. 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 a Report furnished. The Report inter-alia shall include details of the aquifers present and the impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below groundwater and for pumping of groundwater should also be obtained and copy furnished.
31. 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.
32. 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.

33. 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 upfront 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 the plantation already done should be given. The plant species selected for the 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.
34. Impact on local transport infrastructure due to the Project should be indicated. A 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.
35. Details of the onsite shelter and facilities to be provided to the mineworkers should be included in the EIA Report.
36. Conceptual post-mining land use and Reclamation and Restoration of mined-out areas (with plans and with the adequate number of sections) should be given in the EIA report.
37. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelled out. 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.
38. 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.
39. 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.
40. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of the change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
41. 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.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the project should be given.
43. The cost of the Project (capital cost and recurring cost), as well as the cost towards implementation of EMP, should be spelled out.
44. A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
45. Benefits of the Project if the Project is implemented should be spelled out. The benefits of the Project shall indicate environmental, social, economic, employment potential, etc.
46. Besides the above, the below mentioned general points are also to be followed:-
 - a. Executive Summary of the EIA/EMP Report

- b. All documents are 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 the 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 circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, a 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.

Nodal SEAC-1

(Dr. Ajai Mishra)
Member

(Om Prakash Srivastava)
Member

(Dr. Brij Bihari Awasthi)
Member

(Umesh Chandra Sharma)
Member

(Dr. Ratan Kar)
Member

(Rajive Kumar)
Chairman