

Minutes of 567th SEAC Meeting Dated 03/09/2021

The 567th meeting of SEAC-2 was held in hybrid (physical and virtual) through video conferencing in view of the Corona Virus Disease (Covid-19) on 03/09/2021. Following members participated in the meeting:

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

The Chairman welcomed the members to the 567th SEAC meeting which was conducted online.

The SEAC-2 unanimously took following decisions on the agenda points discussed in meeting :

1. Sand Mining from Ghaghra River Bed at Gata No.-01, Village-KalafarpurManjha, Tehsil-Sohawal, Ayodhya, U.P., M/s Hina Enterprises., Area: 8.7 Ha. File No. 6378/5720/Proposal No. SIA/UP/MIN/64026/2020

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Private Limited. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Mining from Ghaghra River Bed at Gata No.-01, Village-Kalafarpur Manjha, Tehsil-Sohawal, Ayodhya, U.P., (Leased Area: 8.7 Ha.), M/s Hina Enterprises.
2. The terms of reference in the project were issued by SEIAA, U.P. vide letter no. 315/parya/SEAC/5720/2019 dated 11/09/2020.
3. Public hearing was organized on 24/03/2021 and final EIA report submitted by the project proponent on 21/06/2021.
4. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64026/2020		
2. File No. allotted by SEIAA, UP	6378 /5720		
3. Name of Proponent	Shri Ubaid Khan		
4. Full correspondence address of proponent and mobile No.	Village- Raunahee, Tehsil - Sohawal,		
	District – Ayodhya (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Proposed Riverbed Sand/Morrum Mining Project on river Ghaghra		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 01		
7. Name of River	Ghaghra		
8. Name of Village	Kalafarpur Manjha		
9. Tehsil	Sohawal		
10. District	Ayodhya		
11. Name of Minor Mineral	Ordinary Sand		
12. Sanctioned Lease Area (in Ha.)	8.7		
13. Max & Min mRL within lease area	Max- 98 mRL and Min- 96.031 mRL		
14. Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
	A	26°47'57.35"N	81°54'27.11"E

	B	26°47'59.92"N	81°54'29.16"E
	C	26°47'48.74"N	81°54'39.29"E
	D	26°47'37.59"N	81°54'52.06"E
	E	26°47'36.61"N	81°54'52.39"E
	F	26°47'36.45"N	81°54'48.77"E
	G	26°47'47.86"N	81°54'36.28"E
	H	26°47'52.94"N	81°54'30.54"E
15. Total Geological Reserves	2,10,763cum		
16. Total Mineable Reserves in LOI	1,30,500 cum		
17. Total Proposed Production	6,52,500 cum		
18. Proposed Production/year	1,30,500 cum		
19. Sanctioned Period of Mine lease	5 years		
20. Production of mine/day	501.92		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	260 days		
23. Working hours/day	8 hrs		
24. No. of workers	64		
25. No. of vehicles movement/day	38		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	1.969		
28. Nearest metalled road from site	2.5km		
29. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.64
	Suppression of dust		6.48
	Plantation		0.45
	Others (if any)		0.64
	Total		8.21
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
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	Yes, 199/तीस उपखानिज / क्लंप्रपत्र /2020		
33. Details of Lease Area in approved DSR	Yes area is in DSR		
34. Proposed CER cost	Rs 6,50,000 /-		
35. Proposed EMP cost	Rs. 8.75 lakh (Capital cost) including CER Rs. 28.13Lakh (Recurring cost)		
36. Length and breadth of Haul Road	Length: 0.540 km, width: 6 m		
37. No. of Trees to be Planted	225 plants		

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

RESOLUTION AGAINST AGENDA NO-01

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

2. Stone Mining at Gata No.-989, Khand No.-09, Village-Makarbai, Tehsil-Sadar, Mahoba, U.P., Smt. Usha Vajpayee., Area-0.809 ha. File No. 6379/Proposal No. SIA/UP/MIN/64062/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Research & Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-989, Khand No.-09, Village-Makarbai, Tehsil-Sadar, Mahoba, U.P., (Leased Area-0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64062/2021		
2. File No. allotted by SEIAA, U.P	6379		
3. Name of Proponent	Smt. Usha Vajpayee S/o Shri Bhuvan Prakash Vajpayee		
4. Full correspondence address of proponent and mobile no.	R/o- Rajput Colony, Kulpahad District- Mahoba (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 09),		
7. Name of River	NA		
8. Name of Village	Makarbai		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
13. Mineable Area (in Ha.)	0.423 Ha.(safety margin 0.386 Ha)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 211 & 191 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 19'52.040"N	79°59'28.294"E
	B	25° 19'51.338"N	79°59'29.648"E
	C	25° 19'44.964"N	79°59'28.502"E
	D	25° 19'45.077"N	79°59'7.052"E
17. Total Geological Reserves	1911242 m ³		
18. Sanction Quantity as per LOI	40,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	40,000 m ³ for one year		
20. Proposed Production/year	40,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	133.33 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	18		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 4.40 km towards North-West direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.28 KLD	
	Dust suppression	6.0 KLD	
	Plantation	0.8 KLD	
	Others (if any)	-	

	Total	7.0 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7417/ MMC-30/2020-21 Date- 16/12/2020	
35. Details of Lease Area in approved DSR	Amendment Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021	
36. Proposed EMP cost	Rs. 18,02,000/-	
37. Proposed Total Project cost	Rs. 90,00,000/-	
38. Length and breadth of Haul Road	250 m length and 6.0 m width	
39. No. of Trees to be Planted	400	

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
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-02

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
 2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
 3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
 4. Plan for vehicular movement.
- 3. Stone Mining at Gata No.-1129, Village-Utiya, Tehsil-Sadar, Mahoba, U.P., Shri Brijraj Singh.,Area-0.785 ha. File No. 6383/Proposal No. SIA/UP/MIN/64072/2021**

A presentation was made by the project proponent along with their consultant M/s Environmental Research & Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-1129, Village-Utiya, Tehsil-Sadar, Mahoba, U.P., (Leased Area-0.785 ha.).
2. Salient features of the project as submitted by the project proponent:

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1. On-line proposal No.	SIA/UP/MIN/64072/2021		
2. File No. allotted by SEIAA, U.P	6383		
3. Name of Proponent	M/s Brijraj Singh Contractor Proponent- Shri Brijraj Singh S/O Shri Kuber Singh		
4. Full correspondence address of proponent and mobile no.	R/o- Vivek Nagar, Kabrai, Mahoba District (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 1129		
7. Name of River	NA		
8. Name of Village	Utiyan		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	0.785 Ha.		
13. Mineable Area (in Ha.)	0.522 Ha(0.263 Ha safety margin)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 145 & 162mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 24'21.845"N	79°56'24.441"E
	B	25° 24'19.893"N	79°56'28.017"E
	C	25° 24'18.918"N	79°56'23.546"E
17. Total Geological Reserves	1,75,836 m ³		
18. Sanction Quantity as per LOI	38,800 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	77,600 m ³ for 2 years		
20. Proposed Production/year	38,800 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	129.33 m ³ /day		
23. Method of Mining	Open cast, Semi- Mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	26		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 5.76 km towards South-East direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.36 KLD	
	Dust suppression	3.0 KLD	
	Plantation	0.35 KLD	
	Others (if any)	-	
	Total	3.71 KLD Approx.	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 8299/ MMC-30/2020-21 Date- 27/02/2021		
35. Details of Lease Area in approved DSR	Amendment Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021		
36. Proposed EMP cost	Rs 17,09,500/-		
37. Proposed Total Project cost	Rs. 90,00,000/-		
38. Length and breadth of Haul Road	250 m length and 6.0 m width		

39. No. of Trees to be Planted	350
3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.	
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.	
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-03

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
 2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
 3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
 4. Plan for vehicular movement.
4. **Stone Mining at Gata No.-669, Khand No.-06, Village-Khailar, Tehsil-Sadar, Jhansi. Shri Pramod Kumar Gupta, Area-2.0 ha. File No. 6385/Proposal No. SIA/UP/MIN/64084/2021**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-669, Khand No.-06, Village-Khailar, Tehsil-Sadar, Jhansi, U.P. (Leased Area-2.0 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Sr. No. 04, 567 th SEAC-2 Meeting, Date : 03-09-2021
2. On-line proposal No.	SIA/UP/MIN/64084/2021 Date: 22-06-2021
3. File no. allotted by SEIAA, UP	6385
4. Name of Proponent	Shri Pramod Kumar Gupta S/o Shri Ram Narayan Gupta
5. Full correspondence address of proponent and mobile no.	1215 Civil Line, Shakti Nagar B.K.D, Jhansi Tehsil & District – Jhansi (U.P).
6. Name of Project	Khandas-Boulder /Gitti-Ballast Mining Project
7. Name of River	None, within 10 Km radius area of mine site.
8. Project location (Plot/Khasra/Gata No.)	Gata No - 669 (Khand No - 06), Area: 2.0 Ha, Village: Khailar, Tehsil: Sadar, District: Jhansi, State: Uttar Pradesh

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9. Name of Minor Mineral	Khandas-Boulder /Gitti-Ballast				
10. Schedule (as per EIA notification 2006)	1(a)				
11. Category of Project	S. No.	Village	Gata No.	Khand No.	Area (Ha)
	1	Khailar	669	-	2.509
	2	Khailar	669	-	2.023
	3	Khailar	669	-	2.225
	4	Khailar	669	-	2.530
	5	Khailar	669	-	2.530
	6	Khailar	669	-	3.00
	7	Khailar	669	-	2.023
	8	Khailar	669	-	1.655
	9	Khailar	669	-	3.237
	10	Khailar	669	-	2.00
	11	Khailar	669	-	2.00
			Total Area= 25.732 Ha		
		Since the total area exceeds 5Ha, therefore as per MoEF&CC, GoI 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.			
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.0 Ha				
13. Mineable/Workable Area (in Ha.)	2.0 Ha				
14. Project Status	New Mine, District Magistrate has given consent vide letter no. 2066/ 30 एम. एम. सी. / 2020-21, Dated 02/02/2021 for the exploitation for 20 years having production capacity 50,000 m ³ / annum				
15. Pillar Coordinates (Verified by DMO)	Pillars		Latitude(N)		Longitude(E)
	A		25°20'44.50"N		78°31'2.45"E
	B		25°20'51.80"N		78°31'7.67"E
	C		25°20'52.77"N		78°31'4.69"E
	D		25°20'46.68"N		78°31'0.43"E
	Toposheet No: 54K/11 and 54K/7				
16. Max. & Min mRL within lease area	Highest Point :296mRL Lowest Point :286mRL				
17. Total Geological Reserves	5,93,808 m ³				
18. Total Mineable Reserves (in approved mining plan)	3,94,207 m ³				
19. Proposed Production/year	50,000 m ³ per annum				
20. Sanctioned Period of Mine lease	20 years				
21. Production of mine/day	192.30 m ³ /day (538.46 T/day) Bulk Density =2.8				
22. Method of Mining	Method	Technology		Tools/ Machines	
	Manual mining with drilling and blasting	Opencast, semi-mechanized		Jack hammer drill rods, Blasting material	
23. No. of Working days	260 Days				
24. Working hours/day	8 hours/day				
25. No. of Workers	41				
26. No. of vehicles movement/day	54 Units (Assumed Loading Capacity: 10 m ³ /Unit)				
27. Type of Land	State Government Land				

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28. Ultimate Depth of Mining	18 m (296mRL – 278 mRL) (source: Approved Mining Plan)			
29. Nearest metalled road from site	760m, East			
30. Water Requirement	Source	Purpose	Detail	Avg. Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	41 workers x 15lpcd = 615lit/day	0.615KLD
		Land reclamation/plantation @2 Lit/Tree	400Trees x2lpcd) = 800 Lit/day	0.8KLD
		Dust suppression twice in a day (Haulage Road Area) @1 Lit/Sq.m	Haul Road Area = (760m Length x 7m Width = 5320m ²) x 1 lit/sq.m = 5320 litx 2(Twice per day) = 10640 lit/day	10.64 KLD
	Total			12.055 KLD
31. 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			
32. Any litigation pending against the project or hand in any court	No			
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi Letter No. 15/30एम. एम. सी/2020-21, Date - 06/04/2021			
34. Details of Lease Area in approved DSR	Sr No. 10, Letter No. 184/एम० 228/2017 (खनन नीति)-डी०एस०आर० , दिनांक 01-07-2021			
35. Total Cost of Project	Rs. 149.02 Lakhs			
36. Proposed CER Cost	Rs. 3.00 Lakhs (2% of the total Project Cost)			
37. Proposed EMP Cost	Rs. 28.28 Lakhs			
38. Length and breadth of Haul Road	Length 760 m & Width 7 m			
39. No. of Trees to be Planted	400 Trees			

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

RESOLUTION AGAINST AGENDA NO-04

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement.

5. Stone Mining at Gata No.-22, Khand No.-15, Village-Dunara, Tehsil-Sadar, Jhansi. Shri Mukul Yadav, Area-2.0 ha. File No. 6388/Proposal No. SIA/UP/MIN/64088/2021

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-22, Khand No.-15, Village-Dunara, Tehsil-Sadar, Jhansi, U.P., (Leased Area-2.0 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Sr. No. 05, 567 th SEAC-2 Meeting, Date : 03-09-2021				
2. On-line proposal No.	SIA/UP/MIN/64088/2021, Date: 22-06-2021				
3. File no. allotted by SEIAA, UP	6388				
4. Name of Proponent	Shri Mukul Yadav S/o Shri Deendayal Yadav				
5. Full correspondence address of proponent and mobile no.	R/o- 516 Shivaji Nagar, Kanpur Road, Tehsil & District: Jhansi, U. P. Pin Code- 284128				
6. Name of Project	Khandas-Boulder /Gitti-Ballast Mining Project				
7. Name of River	Betwa River, 3.71Km, East				
8. Project location (Plot/Khasra/Gata No.)	Gata No. - 22, Khand No.- 15, Area: 2.0 Ha, Village: Dunara, Tehsil: Sadar District: Jhansi, State: Uttar Pradesh				
9. Name of Minor Mineral	Khandas-Boulder /Gitti-Ballast				
10. Schedule (as per EIA notification 2006)	1(a)i				
11. Category of Project	B(1)				
	S. No.	Village	Gata No.	Khand No.	Area (Ha)
	1	Dunara	27	-	2.428
	2	Dunara	27	-	1.214
	3	Dunara	22	-	1.416
	4	Dunara	22	-	3.237
	5	Dunara	27	-	1.416
	6	Dunara	27	-	2.023
	7	Dunara	22	-	2.428
	8	Dunara	22	-	1.618
	9	Dunara	22	-	2.0 (Proposed)
	Total Area= 17.780 Ha				

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	Since the total area exceeds 5Ha, therefore as per MoEF&CC, GoI 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.		
12. Sanctioned Lease Area (in Ha.)	Total Lease Area: 2.0 Ha		
13. Mineable/Workable Area (in Ha.)	2.0 Ha		
14. Project Status	New Mine, District Magistrate has given consent vide letter no. 2411/30 एम.एम.सी / .2020-21, Dated 12/03/2021 for the exploitation for 20 ³ Years. having production capacity 60,000 m ³ / annum		
15. Pillar Coordinates (Verified by DMO)	Pillars	Latitude(N)	Longitude(E)
	A	25°20'44.50"N	78°31'2.45"E
	B	25°20'51.80"N	78°31'7.67"E
	C	25°20'52.77"N	78°31'4.69"E
	D	25°20'46.68"N	78°31'0.43"E
	E	25°27'27.70"N	78°41'31.00"E
	F	25°27'27.70"N	78°41'29.32"E
	G	25°27'29.73"N	78°41'29.96"E
	H	25°27'32.00"N	78°41'28.78"E
	54K/11		
16. Max. & Min mRL within lease area	Highest Point :221mRL Lowest Point :211mRL		
17. Total Geological Reserves	10,33,153 m ³		
18. Total Mineable Reserves (in approved mining plan)	3,27,355 m ³		
19. Proposed Production/year	60,000 m ³ per annum		
20. Sanctioned Period of Mine lease	20 years		
21. Production of mine/day	230.76 m ³ /day (646.15 T/day) Bulk Density =2.8		
22. Method of Mining	Method	Technology	Tools/ Machines
	Manual mining with drilling and blasting	Opencast, semi-mechanized	Jack hammer drill rods, Blasting material
23. No. of Working days	260 Days		
24. Working hours/day	8 hours/day		
25. No. of Workers	45		
26. No. of vehicles movement/day	65 Units (Assumed Loading Capacity: 10 m ³ /Unit)		
27. Type of Land	State Government Land		
28. Ultimate Depth of Mining	18 m (221mRL – 203 mRL)(source: Approved Mining Plan)		
29. Nearest metalled road from site	Length 500 m & Width 7 m		
30. Water Requirement	Source	Purpose	Avg. Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	45 workers x 15lpcd = 675lit/day
		Land reclamation/plantation @2 Lit/Tree	400Trees x2lpcd = 800 Lit/day
		Dust suppression twice in a day (Haulage Road Area) @1 Lit/Sq.m	Haul Road Area = (500m Length x 7m Width = 3500m ²) x 1 lit/sq.m = 3500 litx 2(Twice per day) = 7000 lit/day

	Total	8.475 KLD
31. 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	
32. Any litigation pending against the project or hand in any court	No	
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Jhansi Letter No. 18/30एम. एम. सी/2021-22, Date - 18/04/2021	
34. Details of Lease Area in approved DSR	Sr No. 9, Letter No. 713/30एम० एम०सी/डी०एस०आर०/2020-21 , दिनांक 31-07-2020	
35. Total Cost of Project	Rs.169.75 Lakhs	
36. Proposed CER Cost	Rs. 3.40 Lakhs (2% of the total Project Cost)	
37. Proposed EMP Cost	Rs. 26.86 Lakhs	
38. Length and breadth of Haul Road	Length 500 m & Width 7 m	
39. No. of Trees to be Planted	400 Trees	

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

RESOLUTION AGAINST AGENDA NO-05

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

Additional TOR:

- In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
- Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
- The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
- Plan for vehicular movement.

6. Sand Mining from Ghaghra Riverbed at Gata No.-83, Village-Kalafarpur Manjh, Tehsil-Sohawal, Ayodhya, Shri Sant Prasad Jaiswal, Area-6.0 ha. File No. 6389/5695/Proposal No. SIA/UP/MIN/64076/2020

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Private Limited. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Mining from Ghaghra Riverbed at Gata No.-83, Village-Kalafarpur Manjh, Tehsil-Sohawal, Ayodhya, U.P., (Lease Area- 6.0 Ha).
2. The terms of reference in the project were issued by SEIAA, U.P. vide letter no. 246/parya/SEAC/5695/2019 dated 18/08/2020.
3. Public hearing was organized on 24/03/2021 and final EIA report submitted by the project proponent on 23/06/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/64076/2020		
2.	File No. allotted by SEIAA, UP	6389/5695		
3.	Name of Proponent	Shri Sant Prasad Jaiswal		
4.	Full correspondence address of proponent and mobile No.	Village- Salhepur Nimaicha, Tehsil - Sohawal, District – Ayodhya (U.P.)		
		Mobile No-		
		Email-		
5.	Name of Project	Proposed riverbed Ordinary Sand mining project from Ghaghra River for Shri Sant Prasad Jaiswal		
6.	Project location (Plot/Khasra/Gata No.)	Gata No. 83		
7.	Name of River	Ghaghra		
8.	Name of Village	Kalafarpur Manjha		
9.	Tehsil	Sohawal		
10.	District	Ayodhya		
11.	Name of Minor Mineral	Ordinary Sand		
12.	Sanctioned Lease Area (in Ha.)	6.0		
13.	Max & Min mRL within lease area	100 mRL & 98.215 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	26°47'25.40"N	81°54'58.70"E
		B	26°47'25.60"N	81°55'5.70"E
		C	26°47'15.80"N	81°55'6.80"E
		D	26°47'15.70"N	81°54'59.40"E
15.	Total Geological Reserves	1,50,760cum		
16.	Total Mineable Reserves in LOI	90,000cum		
17.	Total Proposed Production	4,50,000 cum		
18.	Proposed Production/year	90,000 cum		
19.	Sanctioned Period of Mine lease	5 years		
20.	Production of mine/day	346.15		
21.	Method of Mining	Open Cast Semi-mechanized Method		
22.	No. of working days	260 days		
23.	Working hours/day	8 hrs		
24.	No. of workers	61		
25.	No. of vehicles movement/day	26		
26.	Type of Land	Government waste land		
27.	Ultimate Depth of Mining	1.785		
28.	Nearest metalled road from site	500 m		

29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.61
	Suppression of dust	5.47
	Plantation	.36
	Others (if any)	.61
	Total	7.05
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022	
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	Yes	
33. Details of Lease Area in approved DSR	Yes	
34. Proposed CER cost	Rs 6,28,000 /-	
35. Proposed EMP cost	Rs 8,08,000 (Capital Cost) Rs27,45,000 (Recurring Cost)	
36. Length and breadth of Haul Road	Length: 0.447 km, width: 6 m	
37. No. of Trees to be Planted	180 plants	

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

RESOLUTION AGAINST AGENDA NO-06

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

7. Stone Mining at Gata No.-93, KhandNo.-07, Village- Bari, Tehsil & District- Mahoba, Smt. Sukirti Singh.,Area-1.012 ha. File No. 6391/Proposal No. SIA/UP/MIN/64094/2021

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

- The terms of reference is sought for Stone Mining at Gata No.-93, KhandNo.-07, Village- Bari, Tehsil & District- Mahoba, U.P., (Leased Area-1.012 ha.).
- Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/64094/2021
2.	File No. allotted by SEIAA, UP	6391
3.	Name of Proponent	Smt. Sukirti Singh W/o Shri Ramkishore Singh
4.	Full correspondence address of proponent	R/o- Mohalla- Gandhi Nagar Mahoba, Tehsil & Distt.- Mahoba, U.P.
5.	Name of Project	Building Stone (Khanda, Boulder, Bailast (Gitti)) Mining Project
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-93 (Khand No.- 7)
7.	Name of Village	Bari
8.	Tehsil	Mahoba

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9.	District	Mahoba		
10.	Name of Minor Mineral	Building Stone (Khanda, Boulder, Bailast (Gitti))		
11.	Sanctioned Lease Area (in Ha.)	1.012 ha.		
12.	Max.& Min mRL within lease area	178 mRL- 169 mRL		
13.	Pillar Coordinates (Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 24' 50.200"	79° 55' 14.101''
		B	25° 24' 51.301"	79° 55' 15.403''
		C	25° 24' 0.011"	79° 55' 21.009''
		D	25° 24' 46.002"	79° 55' 21.005''
14.	Total Geological Reserves	934049 m ³		
15.	Total Mineable Reserves	195345 m ³		
16.	Total Proposed Production (in five year)	194810 m ³		
17.	Proposed Production / year	Year	Production	
		1 st	38962 m ³	
		2 nd	38962 m ³	
		3 rd	38962 m ³	
		4 th	38962 m ³	
		5 th	38962 m ³	
		Total	194810 m ³	
18.	Sanctioned Period of Mine lease	10 Years		
19.	Production of mine/day	130 m ³ (approx.)		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No.of working days	300 days		
22.	Working hours/day	8 Hours/Day		
23.	No.Of workers	37		
24.	No.Of vehicle movement /day	13 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	18 meter (average)		
27.	Nearest metalled road from site	0.10 k m		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.40	
		Suppression of dust	0.60	
		Plantation	0.10	
		Others(if any)	-----	
		Total	1.10	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Mahoba vide Letter No. 45/MMC-30/ 2020-21 Dated 12/04/2021		
32.	Details of Lease Area in approved DSR	Page No.- 87, Sr. No.- 94		
33.	Proposed CER cost	1.35 Lakh		
34.	Proposed EMP cost	10.00 Lakh		
35.	Length and breadth of Haul Road.	Length- 0.3 k m, Width- more than 6.0 m		
36.	No. of Trees to be Planted	105		

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
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 standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes. The committee also stipulated following additional TOR Points:

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement.

8. Stone Mining at Gata No.-2061, Khand No.-2A, Village-Bhatouti, Tehsil-Meja, Prayagraj. Smt. Mohini Devi, Area-8.097 ha. File No. 6392/Proposal No. SIA/UP/MIN/62168/2021

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for “Building stone Sand stone (Gitti, Boulder, Khanda)” Project at Gata No.-2061 Khand No.- 2A, Village- Bhatouti, Tehsil- Meja, District- Prayagraj, U.P., (Leased Area : 8.097ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/62168/2021		
2.	File No. allotted by SEIAA, UP	6392		
3.	Name of Proponent	Smt. Mohini Devi W/O Shankar Dayal Singh		
4.	Full correspondence address of proponent	R/o- Village-Osa, Post – Kherhat Khurd, Jari, District- Prayagraj		
5.	Name of Project	Building stone Sand stone (Gitti, Boulder, Khanda) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.-2061 Khand No.- 2A		
7.	Name of Village	Bhatouti		
8.	Tehsil	Meja		
9.	District	Prayagraj		
10.	Name of Minor Mineral	Building stone Sand stone (Gitti, Boulder, Khanda)		
11.	Sanctioned Lease Area (inHa.)	8.097 ha.		
12.	Max.& Min mRL within lease area	114 mRL- 104 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 09' 08.45"	82° 02' 19.33"
		B	25° 09' 08.21"	82° 02' 28.18"

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		C	25° 08' 58.90"	82° 02' 28.33"
		D	25° 08' 59.13"	82° 02' 17.05"
14.	Total Geological Reserves	6286279 m ³		
15.	Total Mineable Reserves	2934882 m ³		
16.	Total Proposed Production (in five year)	404850 m ³		
17.	Proposed Production / year	Year	Production	
		1 st	80970 m ³	
		2 nd	80970 m ³	
		3 rd	80970 m ³	
		4 th	80970 m ³	
		5 th	80970 m ³	
		Total	404850 m ³	
18.	Sanctioned Period of Mine lease	20 Years		
19.	Production of mine/day	269.9 m ³ (approx.)		
20.	Method of Mining	Opencast Semi-Mechanized		
21.	No.of working days	300 days		
22.	Working hours/day	8 Hours/Day		
23.	No.Of workers	40 (approx.)		
24.	No.Of vehicle movement /day	27 (approx.)		
25.	Type of Land	Govt. revenue land		
26.	Ultimate Depth of Mining	6 meter (average)		
27.	Nearest metalled road from site	1.50 km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking& Others	0.40	
		Suppression of dust	9.0	
		Plantation	0.80	
		Others(if any)	-----	
		Total	10.20 KLD	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity-19/10/2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Prayagraj vide Letter No. 556/Khanij/ 2020-21 Dated 09 th February, 2021		
32.	Details of Lease Area in approved DSR	Page No.-39, S.No.- 405		
33.	Proposed CER cost	2.0 Lakh		
34.	Proposed EMP cost	12.80 Lakh		
35.	Length and breadth of Haul Road.	Length- 1.50 km, Width- more than 6.0 m		
36.	No. of Trees to be Planted	810		

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
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-08

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement.

9. Stone Mining at Gata No.-989, Khand No.-11, Village-Makarbhai, Tehsil-Sadar, Mahoba, Shri Shiv Baran Singh, Area-0.809 ha. File No. 6395/Proposal No. SIA/UP/MIN/64100/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Research & Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-989, Khand No.-11, Village-Makarbhai, Tehsil-Sadar, Mahoba, (Leased Area-0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64100/2021		
2. File No. allotted by SEIAA, U.P	6395		
3. Name of Proponent	Shri Shiv Baran Singh S/O Shri Shyam		
4. Full correspondence address of proponent and mobile no.	R/O - Kallukuan Tindwari Road District-banda (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 11),		
7. Name of River	NA		
8. Name of Village	Makarbhai		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
13. Mineable Area (in Ha.)	0.441 Ha. (Safety Margin 0.368 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 211 & 191 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	N 27°19'52.740"	E 79°59'26.943"
	B	N 27°19'52.040"	E 79°59'28.294"
	C	N 27°19'45.077"	E 79°59'27.052"
	D	N 27°19'45.919"	E 79°59'25.707"
17. Total Geological Reserves	58,490 m ³		
18. Sanction Quantity as per LOI	40,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	40,000 m ³ for One year		
20. Proposed Production/year	40,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	133.33 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		

24. No. of working days	300	
25. Working hours/day	8 hours/day	
26. No. Of workers	18	
27. No. Of vehicles movement/day	16-17 Vehicles movement/day	
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project	
29. Ultimate Depth of Mining	6.0 m	
30. Nearest metalled road from site	NH-76 is about 4.40 km towards North-West direction from the project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.28 KLD
	Dust suppression	2.4 KLD
	Plantation	0.4 KLD
	Others (if any)	-
	Total	3.1 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7983/ MMC-30/2020-21 Date-30/01/2021	
35. Details of Lease Area in approved DSR	Amendment- Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021 page 4 serial no 71	
36. Proposed EMP cost	15,84,000/-	
37. Proposed Total Project cost	Rs. 65,00,000/-	
38. Length and breadth of Haul Road	200 m length and 6.0 m width	
39. No. of Trees to be Planted	400	

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

RESOLUTION AGAINST AGENDA NO-09

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

Additional TOR:

- In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
- Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
- The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
- Plan for vehicular movement.

10. Stone Mining at Gata No.-989, KhandNo.-05, Village-Makarbai, Tehsil-Sadar, Mahoba, Shri Nagendra Singh., Area-0.809 ha. File No. 6398/Proposal No. SIA/UP/MIN/64118/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Research & Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-989, KhandNo.-05, Village-Makarbai, Tehsil-Sadar, Mahoba, U.P. (Leased Area-0.809 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64118/2021		
2. File No. allotted by SEIAA, U.P	6398		
3. Name of Proponent	M/s N H CONSTRUCTION Proponent- Shri Nagendra Singh S/O Lt. Shri Ravendra Singh & Smt. Rita Singh W/o- Shri Hemant Singh		
4. Full correspondence address of proponent and mobile no.	Proponent- Shri Nagendra Singh S/o Lt. Shri Ravendra Singh R/O- Village- Ratanpur, Tehsil- Rasulabad District- Kanpur Dehat (U.P.) & Smt. Rita Singh W/o- Shri Hemant Singh R/o- Vill.- Kashipur, Tehsil- Maitha, District- Kanpur Dehat (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 05),		
7. Name of River	NA		
8. Name of Village	Makarbai		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	0.809 Ha.		
13. Mineable Area (in Ha.)	0.423 Ha. (Safety Margin 0.386 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 211 & 191 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 19'50.370"N	79°59'32.837"E
	B	25° 19'50.311"N	79°59'34.171"E
	C	25° 19'45.011"N	79°59'33.455"E
	D	25° 19'44.720"N	79°59'31.986"E
17. Total Geological Reserves	1911242 m ³		
18. Sanction Quantity as per LOI	40,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	40,000 m ³ for one year		
20. Proposed Production/year	40,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	133.33 m ³ /day		
23. Method of Mining	Open cast, Semi- Mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	18		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		

30. Nearest metalled road from site	NH-34 is about 3.80 km towards North-West direction from the project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.36 KLD
	Dust suppression	2.4 KLD
	Plantation	0.4 KLD
	Others (if any)	-
	Total	3.2 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7508/ MMC-30/2020-21 Date- 26/12/2020	
35. Details of Lease Area in approved DSR	Amendment Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021 serial No-132	
36. Proposed EMP cost	16,04,000/-	
37. Proposed Total Project cost	Rs. 70,00,000/-	
38. Length and breadth of Haul Road	200 m length and 6.0 m width	
39. No. of Trees to be Planted	400	

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
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

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement.

11. Stone Mining at Gata No.-356, Khand No.-01, Village-Dudhaiya, Tehsil-Sadar, Mahoba. Shri Arun Bhaskar, M/s Tiwari Construction., Area-1.214 ha. File No. 6402/Proposal No. SIA/UP/MIN/64134/2021

A presentation was made by the project proponent along with their consultant M/s Environmental Research & Analysis. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Stone Mining at Gata No.-356, Khand No.-01, Village-Dudhaiya, Tehsil-Sadar, Mahoba, U.P., (Leased Area-1.214 ha.), M/s Tiwari Construction.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/64134/2021		
2. File No. allotted by SEIAA, U.P	6402		
3. Name of Proponent	M/S TIWARI CONSTRUCTION Proponent- Shri Arun Bhaskar S/o Shri Murlidhar		
4. Full correspondence address of proponent and mobile no.	R/o - Pathari, Kadeem, Kulpahar, District: Mahoba (U.P.). 210426		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 356 (Khand No. – 01),		
7. Name of River	NA		
8. Name of Village	Dudhaiya		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.214 Ha.		
13. Mineable Area (in Ha.)	0.90 Ha. (Safety Margin 0.314 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 281 & 262 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	N25°11'20.468"	E79°44'08.883"
	B	N25°11'20.349"	E79°44'12.307"
	C	N25°11'15.932"	E79°44'12.030"
	D	N25°11'16.637"	E79°44'08.451"
17. Total Geological Reserves	2,39,033 m ³		
18. Sanction Quantity as per LOI	12,140 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	60,700 m ³ in five year		
20. Proposed Production/year	12,140 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	40.47 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	20		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 5.0 km towards East direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.28 KLD	
	Dust suppression	1.2KLD	
	Plantation	0.6KLD	
	Others (if any)	-	

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	Total	2.1 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 1853/ MMC-30/2020-21 Date- 15/02/2021	
35. Details of Lease Area in approved DSR	Page No 83 part 2 Sl.No 04	
36. Proposed EMP cost	12,74,000/-	
37. Proposed Total Project cost	Rs. 60,00,000/-	
38. Length and breadth of Haul Road	50 m length and 6.0 m width	
39. No. of Trees to be Planted	600	

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
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-11

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

Additional TOR:

1. In rocky places the soil below is made up of the impenetrable stone, plant roots have a tough time getting the nutrients they need to survive. Therefore, plantation should be done only after drilling about 2 feet below ground and proper manuring should be done along with plant growth promoters for proper growth of the plants.
2. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
3. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the quarry area. The surface runoff rain water harvesting and other water conservation measures of long term basis are to be taken in consultation with central/State Ground water Board. The water so collected should be utilized for watering the haulage area, roads and green belt development etc.
4. Plan for vehicular movement.

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

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

(Prof. Jaswant Singh)
Member, SEAC-2

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

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

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

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) 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 shifting of 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 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 prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of 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) 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 Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 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 up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 34) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 35) Details of the onsite shelter and facilities to be provided to the mine workers 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 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 spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 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 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 clearly spelt 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 spelt out. The benefits of the Project shall clearly 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 to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Annexure-2

General and Specific Conditions for Sand/Morum Mining Proposals

General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any change in mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours' time.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that mining operation of Sand/Moram will not in any way disturb the, velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB and SEIAA within 02 months.
15. Primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB and SEIAA within six months.
16. Hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB and SEIAA and this activity should be completed before the start of sand mining.

18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such program me. The project proponent shall provide separate budget for community development activities and income generating programmes.
19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.

35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Specific Conditions:

1. The Environmental clearance will be co-terminus with the mining lease period.

2. At the time of operation, project proponent will comply with all the guidelines issued by Government of India/State Govt./District Administration related to Covid-19.
3. Environment management in according to environmental status and impact of the project.
4. During the school opening and closing time transportation of minerals will be restricted.
5. Selection of plants for green belt should be on the basis of pollution removal index. Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
6. No mining activity should be carried out in-stream channel as per SSMMG, 2016.
7. Pakka motorable haul road to be maintained by the project proponent.
8. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
9. Permission from the competent authority regarding evacuation route should be taken.
10. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
11. Provision for cylinder to workers should be made for cooking.
12. The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
13. Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road. Width of the haul road shall be more than 6 meter.
14. Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
15. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
16. Provision for two toilets and hand pumps should be made at mining site.
17. Drinking water for workers would be provided by tankers.
18. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
19. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
20. Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
21. Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
22. Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.
23. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
24. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
25. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
26. If in future this lease area becomes part of cluster of equal to or more than 25 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
27. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
28. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.

29. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
30. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
31. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
32. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
33. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
34. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
35. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
36. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
37. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS)].
38. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
39. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
40. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
41. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
42. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
43. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
44. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
45. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
46. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
47. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the

clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.

48. The MoEF&CC/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
49. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
50. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
51. Waste water from potable use be collected and reused for sprinkling.
52. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.