

### **Minutes of 540<sup>th</sup> SEAC Meeting Dated 16/04/2021**

The 540<sup>th</sup> meeting of SEAC was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 16/04/2021. Following members were participate in the online meeting:

1.	Dr. S.N. Singh,	Chairman
2.	Dr. Sarita Sinha,	Member
3.	Dr. Virendra Misra,	Member
4.	Dr. Pramod Kumar Mishra,	Member
5.	Dr. Ranjeet Kumar Dalela,	Member
6.	Dr. Ajoy Kumar Mandal,	Member
7.	Shri Rajive Kumar,	Member
8.	Shri Meraj Uddin,	Member

The Chairman welcomed the members to the 540<sup>th</sup> SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

1. **Building Stone (Khanda, Gitti, Boulder) Mining at Arajai No.-188, (Khand -03 New, 02 old), Village- MahuaItaura, Tehsil-Kulpahad, District- Mahoba, U.P., Shri Mohit Singh., Area- 1.214 ha. File No. 6092/Proposal No. SIA/UP/MIN/190607/2020**

#### **RESOLUTION AGAINST AGENDA NO-01**

The committee noted that the matter has already been discussed by the SEAC in its 539<sup>th</sup> SEAC meeting dated 12/04/2021 and recommended to grant the environmental clearance for the project. Hence, no action is required.

2. **Building Stone, Khanda, Boulder, Bailast&Gitti Mining at Arajai No.-60, Khand No.-05, at Village-Jamala, Tehsil-Kulpahad, Mahoba, U.P., Shri Chandra Prakash Maheshwari., Area- 0.870 ha. File No. 6097/Proposal No. SIA/UP/MIN/190743/2020**

#### **RESOLUTION AGAINST AGENDA NO-02**

The committee noted that the matter has already been discussed by the SEAC in its 539<sup>th</sup> SEAC meeting dated 12/04/2021 and recommended to grant the environmental clearance for the project. Hence, no action is required.

3. **Building Stone, Khanda, Boulder &Gitti Mining at Arajai No.-188, Khand No.-04 New 01 old, at Village- MahuaItaura, Tehsil-Kulpahad, Mahoba., Shri Rakesh Kumar Mishra., Area-1.012 ha. File No. 6101/Proposal No. SIA/UP/MIN/190773/2020**

#### **RESOLUTION AGAINST AGENDA NO-03**

The committee noted that the matter has already been discussed by the SEAC in its 539<sup>th</sup> SEAC meeting dated 12/04/2021 and recommended to grant the environmental clearance for the project. Hence, no action is required.

4. **Building Stone (Khanda& Boulder, Ballast, Gitti) Mining at Gata No.-1097, Khand No.-04, Village-Utiyan, Tehsil-Sadar, District- Mahoba, U.P. Shri Vipin Kumar Rai., Area-0.809 ha. File No. 6072/Proposal No. SIA/UP/MIN/59396/2020**

**RESOLUTION AGAINST AGENDA NO-04**

A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis. The committee discussed the matter and directed the project proponent to submit following information:

1. Geo-coordinates mismatch between form-1 and lease map. Revised form-1 should be submitted.
2. Approved DSR from competent authority.

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

5. **Stone (Sand Stone) Mine at Araj No.-428, at Village- Dhuriyan, Tehsil- Chunar, Mirzapur., Smt. Sushma Srivastava., Area -1.21 ha. File No. 6073/Proposal No. SIA/UP/MIN/59402/2020**

**RESOLUTION AGAINST AGENDA NO-05**

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

6. **Sand/Morrum Mining from Yamuna Riverbed at Khand No.- 15/35 to 15/39, (Khand Sr. No.- 03) Village- Umrawan , Tehsil- Manjhanpur, District- Kaushambi, U.P., Shri Santosh Tiwari., Area: 10.00 ha. File No. 6248/Proposal No. SIA/UP/MIN/62155/2021**

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 environmental clearance is sought for Sand/Morrum Mining from Yamuna Riverbed at Khand No.- 15/35 to 15/39, (Khand Sr. No.- 03) Village- Umrawan, Tehsil-Manjhanpur, District- Kaushambi, U.P., (Leased Area: 10.00 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/62155/2021
2. File no. allotted by SEIAA, UP	6248
3. Name of Proponent	M/s Khushi Enterprises Shri Santosh Tiwari S/o Shri Surendra Tiwari
4. Full correspondence address of proponent and mobile no.	Mo No.- C 144 Sector E, Thana- Aliganj, District- Lucknow, U.P - 226024
5. Name of Project	“Sand/ Moram Mining”
6. Project location (Plot/Khasra/Gate No.)	Khand No. – 15/35 to 15/39
7. Name of Village	Umrawan
9. Tehsil	Manjhanpur
10. District	Kaushambi (U.P)
11. Name of Minor Mineral	River Bed Material (Sand/Moram)
12. Sanctioned Lease Area (in Ha.)	10.00 Ha • Workable area of the lease is 7.1 ha. • Area under, SSMMG is 0.302 ha.

	<ul style="list-style-type: none"><li>Area under safety zone is 0.71 ha.</li><li>Area under Active water channel is 1.888 ha</li></ul>			
13. Altitude of the Area	The Highest Point at 81.0 mRL The Lowest Point at 79.0 mRL			
14. Pillar Coordinates (Verified by DMO)	Sanctioned Area Geo- Co-Ordinates			
	A	25°22'51.06N	81°10'21.24"E	
	B	25°22'36.90"N	81°10'52.98"E	
	C	25°22'33.90"N	81°10'51.78"E	
	D	25°22'48.00"N	81°10'19.68"E	
	Coordinates of Area under active water channel			
	C	25°22'33.90"N	81°10'51.78"E	
	F	25°22'38.10"N	81°10'42.30"E	
	G	25°22'38.26"N	81°10'43.99"E	
	H	25°22'34.69"N	81°10'52.11"E	
	Coordinates of Other Area under active water channel			
	A	25°22'51.06"N	81°10'21.24"E	
	D	25°22'48.00"N	81°10'19.68"E	
	E	25°22'45.32"N	81°10'25.94"E	
	Coordinates of workable area			
	A	25°22'51.06"N	81°10'21.24"E	
	B	25°22'36.90"N	81°10'52.98"E	
	H	25°22'34.69"N	81°10'52.11"E	
	G	25°22'38.26"N	81°10'43.99"E	
	F	25°22'38.10"N	81°10'42.30"E	
	E	25°22'45.32"N	81°10'25.94"E	
	Toposheet: 63G/3			
15. Total Geological Reserves	1,67,912 m <sup>3</sup>			
16. Total Mineable Reserves	1,00,000 m <sup>3</sup>			
17. Total Proposed Production (in five year)	5,00,000m <sup>3</sup>			
18. Proposed Production/year	1,00,000 m <sup>3</sup> per annum			
19. Sanctioned Period of Mine lease	05 Years			
20. Production of mine/day	384.21 m <sup>3</sup> /day			
21. Method of Mining	Open Cast, Semi-mechanized			
22. Drilling & Blasting	Yes (if Required)			
23. No. of Working days	260Days			
24. Working hours/day	8 hours/day			
25. No. of Workers	52Manpower			
26. No. of vehicles movement/day	38 Units (Assumed Loading Capacity: 10 m <sup>3</sup> /Unit)			
27. Type of Land	State Government Land			
28 Ultimate Depth of Mining	2.01 m (84mRL – 81.99mRL)			
29. Nearest metallad road from site	JamunapurUpahar-Kolhuwa Road is 2.8km, North			
30. Water Requirement	Source	Purpose	Detail	Avg. Demand/ Day
	Portable Tanker	Drinking & others @ 15lpcd/worker	52 workers x 15 lpcd = 780 lit/day	0.780 KLD
		Plantation @2.5 Lit/plant	250 Trees x 2.5 lpcd = 625 Lit/day	0.625 KLD

		Dust suppression @ 1 Lit/Sq.m (Twice in a day)	Haul Road Area = (2794 m Length x 7m Width = 19558 m <sup>2</sup> ) x 1 lit/sq.m = 19558 lit x 1 (twice in a day) = 19558 lit/day	19.558 KLD
	Total			20.963 KLD (21.0 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 June 30/2021			
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), Kaushambi. Letter No. 1210, खननसहायककौ०, दिनांक -29-01-2021			
34. Details of Lease Area in approved DSR	Sr. No-3, 1586(3)/खननसहायककौ०, दिनांक- 10/02/2020 DSR, Page No. 11, Sr. No. 38 (List of Proposed Mining Lease)			
35. Total Proposed Project Cost	Rs. 125.88 Lakhs			
36. Proposed CER cost	Rs 2.52 Lakhs (2% of the total Project Cost)			
37. Proposed EMP cost	Rs 38.8 Lakhs			
38. Length and Width of Haul Road	Haulage Road Length 2800 m & Haulage Road Width 7 m			
39. No. of Trees to be Planted	250 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-06**

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

- Revised DSR approved by competent authority should be provided at the time of EIA presentation.
- Sand/Morrum Mining along Sone River bed at Gata No./Arazi No.-824 Kha, Khand No.- 03, Village-AgoriKhas, Tehsil-Obra, District-Sonbhadra, U.P., Shri Surendra Tiwari, M/s New India Minerals Area-16.194 Ha. File No. 6257/Proposal No. SIA/UP/MIN/61251/2021**

A presentation was made by the project proponent along with their consultant M/s GreencIndia Consulting Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

- The environmental clearance is sought for Morrum Mining from Sone River bed at Arazi No.- 824Kha (Khand no 03), Village-Agori Khas, Tehsil-Obra, District-Sonbhadra, U.P., (Leased Area-16.194 Ha.), M/s New India Minerals.
- Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61251/2021
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2. File No. allotted by SEIAA, UP	6257		
3. Name of Applicant	M/s New India Minerals Owner: Surendra Tiwari		
4. Full correspondence address of proponent and mobile no.	190,GovindpurGaneshpur, Akbarpur Distt-Ambedkarnagar UP.		
5. Name of Project	Morrum Mining along Sone River bed at Arazi No.- 824Kha (Khand no 03), Village-Agori Khas, Tehsil-Obra, District-Sonbhadra, U.P.		
6. Project location (Plot/Khasra/Gata No.)	Village – Agori Khas, Araji No. 824Kha (Khand no 03), Tehsil- Obra, District- Sonbhadra, State- Uttar Pradesh.		
7. Name of River	Sone River		
8. Name of Village	Agori Khas		
9. Tehsil	Obra		
10. District	Sonbhadra		
11. Name of Minor Mineral	Morrum		
12. Sanctioned Lease Area (in Ha.)	16.194Ha		
13. Mineable Area (in Ha.)	14.8273 Ha.		
14. Zero level mRL	165mRL		
15. Max. & MinmRL withinlease area	169-172mRL.		
16. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	Total Lease Area Coordinate (12.146 ha)		
	A	24°33'14.49"N	82°57'26.10"E
	B	24°33'17.75"N	82°57'37.51"E
	C	24°33'09.03"N	82°57'41.07"E
	D	24°33'04.36"N	82°57'45.23"E
	E	24°33'00.00"N	82°57'35.40"E
	F	24°33'00.22"N	82°57'34.91"E
	G	24°33'10.77"N	82°57'26.35"E
	H	24°33'11.19"N	82°57'27.20"E
17. Total Geological Reserves	4,85,820m <sup>3</sup>		
18. Total Mineable Reserves	2,59,104 m <sup>3</sup>		
19. Proposed Production/year (as per LoI)	2,59,104m <sup>3</sup>		
20. Total Production (5 Years)	12,95,520 m <sup>3</sup>		
21. Sanctioned Period of Mine lease	5 Years		
22. Production of mine/day	1036.42m <sup>3</sup> /Day		
23. Method of Mining	Opencast Semi-mechanized mining		
24. No. of working days	250days/ Year		
25. Working hours/day	12 Hours		
26. No. Of workers	66		
27. No. Of vehicles movement/day	86		
28. Type of Land	Govt. Land		
29. Ultimate Depth of Mining	2.0 m		
30. Nearest metaled road from site	130m		
31. Water Requirement	Purposes	Requirement (KLD)	
	Drinking	0.66	
	Suppression of dust	0.55	
	Plantation	4.48	
	Others (if any)	0.00	
	Total	5.69	
32. Name of QCI Accredited Consultant with QCI Noand period of validity.	GreencIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate	357/ Khanij /2021 dated 29 <sup>th</sup> January, 2021		

verified by Mining Officer	
35. Length and breadth of Haul Road	Length 130 m, Width 6.0 m
36. 31. Proposed CER Cost	2,27,180/-
37. 32. Proposed EMP Cost	Rs. 5,70,456/-
38. No. of Trees to be planted	280 Trees

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 terms of reference (TOR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated following additional TOR points:**

1. NOC from Forest Department.
  2. Revised DSR approved by competent authority should be provided at the time of EIA presentation.
  3. Incremental value for air pollution.
  4. Free Silica analysis.
  5. The Project do not fall in the Critically Polluted Area (CPA) as per minutes of joint meeting of SEIAA and SEAC, U.P. dated 06/01/2021 in Appeal No. 04/2020 Abhinav Gramodyog & Seva Sansthan Vs. SEIAA, U.P. & Ors. The Project Proponent shall follow all the prescribed norms and compliances for Severely Polluted Area (SPA) as specified by CPCB / Ministry of Environment, Forests & Climate Change, Govt. of India and Hon'ble N.G.T. Orders time to time.
  6. The TOR will be subject to the final order of Hon'ble NGT in the R.A. No. 07/2021 in appeal no. 04/2020, Abhinav Gramodyog & Seva Sansthan Vs SEIAA, U.P. & Ors.
- 8. Sand/Morrum Mining along Sone Riverbed in Gata No./Arazi No.-21 mi, Khand No.- 01, Village-Bhagwa, Tehsil-Obra, District-Sonbhadra, U.P., Shri Rameshwar Pratap, M/s Veera Construction, Area-14.98 Ha. File No. 6262/Proposal No. SIA/UP/MIN/61527/2021**

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 environmental clearance is sought for Sand/morrum mining from Son rivet at Gata/Araji no 21Mi, (Khand no. 1) at Village – Bhagwa, Tehsil - Obra, District- Sonbhadra, U. P. M/s Veera Construction, (Leased Area 14.98 acre).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/61527/2021
2.	File No. allotted by SEIAA, UP	6262
3.	Name of Proponent	M/s Veera Construction Prop. Name : Rameshwar Pratap
4.	Full correspondence address of proponent and mobile no.	M/s Veera Construction Rameshwar Pratap S/o Shri Shyama Prasad R/o – S-3, 36B, Ardali Bazar, Varanasi, U.P. – 221002

		Mobile no. –															
		E mail ID – veerasand64@gmail.com															
5.	Project Location (Plot. Khasra/Gata No.)	river Son at Gata/Araji no 21Mi, (Khand no. 1)															
6.	Name of River	Son River															
7.	Name of Village	Bhagwa															
8.	Tehsil	Obra															
9.	District	Sonbhadra															
10.	Name of Minor Mineral	River bed morrum mining															
11.	Sanctioned Lease Area (in Ha.)	14.98ha															
12.	Max. & Min mRL within lease area	Zero Level mRL - 165 mRL The highest level of area is 170.8 mRL The lowest level is 166.00 mRL															
13.		<table border="1"> <thead> <tr> <th>Point</th><th>Latitude N</th><th>Longitude E</th></tr> </thead> <tbody> <tr> <td>A</td><td>24° 31' 45.58"N</td><td>82° 59' 24.55"E</td></tr> <tr> <td>B</td><td>24° 31' 55.22"N</td><td>82° 59' 43.53"E</td></tr> <tr> <td>C</td><td>24° 31' 50.07"N</td><td>82°59' 46.56"E</td></tr> <tr> <td>D</td><td>24° 31' 36.52"N</td><td>82° 59' 27.91"E</td></tr> </tbody> </table>	Point	Latitude N	Longitude E	A	24° 31' 45.58"N	82° 59' 24.55"E	B	24° 31' 55.22"N	82° 59' 43.53"E	C	24° 31' 50.07"N	82°59' 46.56"E	D	24° 31' 36.52"N	82° 59' 27.91"E
Point	Latitude N	Longitude E															
A	24° 31' 45.58"N	82° 59' 24.55"E															
B	24° 31' 55.22"N	82° 59' 43.53"E															
C	24° 31' 50.07"N	82°59' 46.56"E															
D	24° 31' 36.52"N	82° 59' 27.91"E															
14.	Total Geological Reserves	4,63,164 m <sup>3</sup> /annum															
15.	Total Mineable Reserve	2,50,009 m <sup>3</sup> /annum or 4,50,016 TPA															
16.	Total Proposed Production	11,98,400 m <sup>3</sup> (5 Year)															
17.	Proposed Production /year (as per LoI)	2,39,680 m <sup>3</sup> per annum or 4,31,424 TPA															
18.	Sanctioned Period of Mine lease	05 years															
19.	Production of mine/day	959 m <sup>3</sup> /day															
20.	Method of Mining	Opencast semi-mechanized															
21.	No. of working days	250															
22.	Working hours/day	08															
23.	No. of worker	51															
24.	No. of vehicles movement/day	80															
25.	Type of Land	Govt./Non Forest Land															
26.	Ultimate of Depth of Mining	3.0 m ( For Plan Period )															
27.	Nearest metalled road from site	1.00 km															
28.	Water Requirement	<b>PURPOSE</b> Drinking - 0.51 KLD Suppression of dust - 12.00 KLD Plantation - 00.48 KLD Others (if any) - 0.00 KLD Total - 12.99~ 13.00 KLD															
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 01/05/2021															
30.	Any litigation pending against the project or land in any court	No															
31.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No-268/Khanij/2021 dated 25/01/2021															
32.	Details of Lease Area in approved DSR	Serial no. 14 Page no. 26															
33.	Project Cost	1.45 Crore/annum															
34.	Proposed CER cost	2.90 lacs/annum															
35.	Proposed EMP cost	Apply for ToR															
36.	Length and breadth of Haul Road	Length – 1.00 km Breadth – 6.00 m															
37.	No. of Trees to be Planted	480															

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 terms of reference (TOR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated following additional TOR points:**

1. Revised DSR approved by competent authority should be provided at the time of EIA presentation.
2. The Project do not fall in the Critically Polluted Area (CPA) as per minutes of joint meeting of SEIAA and SEAC, U.P. dated 06/01/2021 in Appeal No. 04/2020 Abhinav Gramodyog & Seva Sansthan Vs. SEIAA, U.P. & Ors. The Project Proponent shall follow all the prescribed norms and compliances for Severely Polluted Area (SPA) as specified by CPCB / Ministry of Environment, Forests & Climate Change, Govt. of India and Hon'ble N.G.T. Orders time to time.
3. The TOR will be subject to the final order of Hon'ble NGT in the R.A. No. 07/2021 in appeal no. 04/2020, Abhinav Gramodyog & Seva Sansthan Vs SEIAA, U.P. & Ors.

**9. Sand/Morrum Mining from Sone Riverbed at Gata No.-221 Cha, Village- Sasnai, Tehsil-Obra, District-Sonbhadra, Shri Vinay Kumar Chaturvedi , M/s A.V. Mining, Area-18.215 Ha. File No. 6263/Proposal No. SIA/UP/MIN/62361/2021**

A presentation was made by the project proponent along with their consultant M/s GreencIndia Consulting Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand/Morrum Mining from Sone Riverbed at Gata No.-221 Cha, Village- Sasnai, Tehsil-Obra, District-Sonbhadra, U.P., M/s A.V. Mining, (Leased Area-18.215 Ha).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/62361/2021
2. File No. allotted by SEIAA, UP	6263
3. Name of Applicant	M/s A V Mining Owner: Shri Vinay Kumar Chaturvedi
4. Full correspondence address of proponent and mobile no.	Jaitpur, Udayapur, Uttar, Dist-Ambedkarnagar UP
5. Project location (Plot/Khasra/Gata No.)	Village – Sasnai, Arajai No. 221 Cha (Khand no-01), Tehsil-Obra, District- Sonbhadra, State- Uttar Pradesh.
6. Name of River	Sone River
7. Name of Village	Sasnai
8. Tehsil	Obra
9. District	Sonbhadra
10. Name of Minor Mineral	Morrum
11. Sanctioned Lease Area (in Ha.)	18.215Ha
12. Mineable Area (in Ha.)	12.1150 Ha.



13. Zero level mRL	156mRL		
14. Max. & MinmRL withinlease area	160-164 mRL.		
15. Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
	Total Lease Area Coordinate (12.146 ha)		
	A	24°28'20.93"N	83°10'41.57"E
	B	24°28'21.49"N	83°10'58.76"E
	C	24°28'09.15"N	83°10'59.31"E
	D	24°28'08.24"N	83°10'42.21"E
16. Total Geological Reserves	7,28,600m <sup>3</sup>		
17. Total Mineable Reserves	2,91,440 m <sup>3</sup>		
18. Proposed Production/year (as per LoI)	2,91,440m <sup>3</sup>		
19. Total Production (5 Years)	14,57,200 m <sup>3</sup>		
20. Sanctioned Period of Mine lease	5 Years		
21. Production of mine/day	1165.76m <sup>3</sup> /Day		
22. Method of Mining	Opencast Semi-mechanized mining		
23. No. of working days	250days/ Year		
24. Working hours/day	12 Hours		
25. No. Of workers	76		
26. No. Of vehicles movement/day	97		
27. Type of Land	Govt. Land		
28. Ultimate Depth of Mining	3.0 m		
29. Nearest metaled road from site	820m		
30. Water Requirement	Purposes	Requirement (KLD)	
	Drinking	0.76	
	Suppression of dust	3.46	
	Plantation	6.54	
	Others (if any)	0.00	
	Total	10.77	
31. Name of QCI Accredited Consultant with QCI Noand period of validity.	GreencIndia Consulting Pvt Ltd. NABET/EIA/1619/RA0058 valid till 27/10/2022		
32. Any litigation pending against the project or land in any court	No		
33. Details of 500 m Cluster Map & certificate verified by Mining Officer	351/ Khanij /2021 dated 29 <sup>th</sup> January, 2021		
34. Length and breadth of Haul Road	Length 820 m, Width 6.0 m		
35. 31. Proposed CER Cost	2,79,845/-		
36. 32. Proposed EMP Cost	Rs. 10,26,384/-		
37. No. of Trees to be planted	409 Trees		

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-09**

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

1. NOC from Forest Department.

2. Revised DSR approved by competent authority should be provided at the time of EIA presentation.
3. Additional monitoring station in south-west direction should be proposed.
4. Incremental value for air pollution.
5. Free Silica analysis
6. The Project do not fall in the Critically Polluted Area (CPA) as per minutes of joint meeting of SEIAA and SEAC, U.P. dated 06/01/2021 in Appeal No. 04/2020 Abhinav Gramodyog & Seva Sansthan Vs. SEIAA, U.P. & Ors. The Project Proponent shall follow all the prescribed norms and compliances for Severely Polluted Area (SPA) as specified by CPCB / Ministry of Environment, Forests & Climate Change, Govt. of India and Hon'ble N.G.T. Orders time to time.
7. The TOR will be subject to the final order of Hon'ble NGT in the R.A. No. 07/2021 in appeal no. 04/2020, Abhinav Gramodyog & Seva Sansthan Vs SEIAA, U.P. & Ors.

**10. Sand Stone Mining Mine at Khasra/ Gata No.-1006, Village- Saria, Tehsil- Chunar, Mirzapur., Shri Promod Kumar Singh, Area-2.02 Ha. File No. 6264/Proposal No. SIA/UP/MIN/61515/2021**

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 environmental clearance is sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 1006, Village-Sariya, Tehsil-Chunar, District-Mirzapur, U.P., (Leased Area-2.02 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	6264															
2.	File No. allotted by SEIAA, UP	SIA/UP/MIN/61515/2021															
3.	Name of Proponent	Shri Pramod Kumar Singh															
4.	Full correspondence address of proponent and mobile no.	Shri Pramod Kumar Singh R/o Mongalpatti, Chilh, Tehsil- Sadar, Mirzapur. E-mail Id- pramodkumarsingh5418@gmail.com															
5.	Name of Project	Building Stone(Sandstone) Mining Village –Sariya, Tehsil- Chunar, District–Mirzapur, Uttar Pradesh															
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 1006, Village –Sariya, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh															
7.	Name of River	NA															
8.	Name of Village	Sariya															
9.	Tehsil	Chunar															
10.	District	Mirzapur															
11.	Name of Minor Mineral	Building Stone(Sandstone) Mining															
12.	Sanctioned Lease Area (in Ha.)	2.02 ha.															
13.	Max. & Min mRL within lease area	Highest mRL is 117 & Lowest Is 105.0mRL															
14.	Pillar Coordinates (Verified by DMO)	<table><tr><th>Pillar No</th><th>N</th><th>E</th></tr><tr><td>A</td><td>25° 02'19.60"N</td><td>83°00'02.80"E</td></tr><tr><td>B</td><td>25° 02'16.80"N</td><td>83°00'08.60"E</td></tr><tr><td>C</td><td>25° 02'13.90"N</td><td>83°00'08.40"E</td></tr><tr><td>D</td><td>25° 02'16.30"N</td><td>83°00'01.50"E</td></tr></table>	Pillar No	N	E	A	25° 02'19.60"N	83°00'02.80"E	B	25° 02'16.80"N	83°00'08.60"E	C	25° 02'13.90"N	83°00'08.40"E	D	25° 02'16.30"N	83°00'01.50"E
Pillar No	N	E															
A	25° 02'19.60"N	83°00'02.80"E															
B	25° 02'16.80"N	83°00'08.60"E															
C	25° 02'13.90"N	83°00'08.40"E															
D	25° 02'16.30"N	83°00'01.50"E															
15.	Total Geological Reserves	1478325 m <sup>3</sup>															

16.	Total Mineable Reserve (as per Approved Mine Plan)	576378 m <sup>3</sup>	
17.	Total Proposed Production	60600 m <sup>3</sup> /year	
18.	Proposed Production /year	60600 m <sup>3</sup> /year	
19.	Sanctioned Period of Mine lease	2.02 ha.	
20.	Production of mine/day	220 m <sup>3</sup> /day	
21.	Method of Mining	Opencast, Semi-Mechanized	
22.	No. of working days	275	
23.	Working hours/day	8	
24.	No. of worker	21	
25.	No. of vehicles movement/day	17	
26.	Type of Land	Revenue land	
27.	Ultimate of Depth of Mining	74mRL	
28.	Nearest metalled road from site	375m	
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.63 KLD
		Suppression of dust	1.5 KLD
		Plantation	0.4 KLD
		Others (if any)	-
		Total	2.53 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 03/04/2021	
31.	Any litigation pending against the project or land in any court	No	
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1590/khanij/sl no./2020-21	
33.	Details of Lease Area in approved DSR	2.02 ha.	
34.	Proposed CER cost	-	
35.	Proposed EMP cost	Total project cost- Rs. 80 Lakh	
36.	Length and breadth of Haul Road	375m & 6m	
37.	No. of Trees to be Planted	200	

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 terms of reference (TOR) for the preparation of EIA as annexed at annexure-1. The committee also stipulated following additional TOR points:**

1. Revised DSR approved by competent authority should be provided at the time of EIA presentation.
2. Production quantity should be calculated in metric tons.

**11. Soil Excavation at Khasra No.- 296, Village-Mohammadpur Kirat, Tehsil-Ramsaneheight, Barabanki., Shri Mahendra Pratap Singh, Area -0.763 ha. File No. 6240/Proposal No. SIA/UP/MIN/204572/2021**

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

1. The environmental clearance is sought for Soil Excavation at Khasra No.- 296, Village-Mohammadpur Kirat, Tehsil-Ramsaneheight, Barabanki, U.P., (Leased Area -0.763 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/204572/2021	
2. File No. allotted by SEIAA, UP	6240	
3. Name of Proponent	Shri Mahendra Pratap Singh	
4. Registered Address	S/o Kedarnath Singh 380 Manas Enclave, CIMAP, Indira Nagar, Lucknow	
5. Full correspondence address of project proponent	S/o Kedarnath Singh 380 Manas Enclave, CIMAP, Indira Nagar, Lucknow	
	Mobile no.-	
	E-mail ID-	
6. Name of Project	Soil Excavation	
7. Project location (Plot/Khasra/Gata No.)	296	
8. Name of Village	Mohammadapur Kirat	
9. Tehsil	Ramsaneheight	
10. District	Barabanki	
11. Name of Minor Mineral	Soil	
12. Total Area (in Ha.)	0.763	
13. Mineable Area (in Ha.)	0.763	
14. Pillar Coordinates (Verified by DMO)	A=26°49'25.31"N 81°28'48.24"E B=26°49'23.65"N 81°28'47.03"E C=26°49'25.29"N 81°28'44.63"E D=26°49'27.35"N 81°28'46.00"E	
15. Period of agreement between Project proponent & Land Owner	3 month	
16. Mine Plan approval details	Letter Number: 360/AJA-2/Khanan Yojna Ordinary Mineral/2021 Dated: 15 March, 2021	
17. Validity of Mine Plan	3 month	
18. Total Proposed Production	15107 m	
19. Proposed Production/year	15107 m	
20. Method of Mining	Open Cast Semi Mechanized	
21. No. Of workers	11	
22. Type of Land	Agricultural	
23. Ultimate Depth of Mining	2.2	
24. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.35
	Suppression of dust	0.14

	Plantation	0.34
	Others (if any)	-
	Total	0.83
25. Name of QCI Accredited Consultant with QCI No and period of validity.	NABET/EIA/1720/RA0079	
26. Any litigation pending against the project or land in any court	No litigation pending	
27. Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests, protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, migration	No such area	
28. Areas occupied by sensitive manmade land uses(hospitals, schools, places of worship, community facilities)	<u>Temple/Mosque:</u> Hanuman Temple, Umarpur Raisaheb: 1.25 Km NE. Hanuman Temple Near Rehariya–2.5 Km,SW Yosontri Mata Mandir Temple Sadullapur –1.52, Km, S	
29. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter number: 387/AJA-2; dated:26/03/2021	
30. Proposed CER cost	0.34 Lakh	
31. Proposed EMP cost	2.5 Lakh	
32. No. of Trees to be Planted	38	
33. Detail of CTE issued by UPPCB (for brick kiln project)	Not applicable	

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 grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 to these minutes regarding Soil Earth mining project.**

#### **12. Soil Mining at Gata No.- 122/1, Village- Dhanaikheda, Tehsil & District- Sitapur, U.P., Shri Umesh Kumar Giri, Area -1.00 ha. File No. 6250/Proposal No. SIA/UP/MIN/205956 /2021**

#### **RESOLUTION AGAINST AGENDA NO-12**

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

**13. Soil Excavation at Gata No.-311 Ka, Village- Jata, Barauli, District- Barabanki., Shri Atul Kumar Singh., Area-0.421 Ha. File No. 6270/Proposal No. SIA/UP/MIN/207872/2021**

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 environmental clearance is sought for soil excavation project at Gata No.- 311Ka Village: Jata, Tehsil- Nawabganj, District-Barabanki, U.P. (Leased Area : 0.4721 ha).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/207872/2021																								
2.	File No. allotted by SEIAA, UP	6270																								
3.	Name of Proponent	Shri Atul Kumar Singh																								
4.	Full correspondence address of proponent and mobile no.	Atul Kumar Singh S/o Shri Amar Singh Niwasi :Vill.- Jata, Barauli, District- Barabanki, Uttar Pradesh. Mobile no. – E mail ID – akhandchauhan0786@gmail.com																								
5.	Name of Project	Environment Clearance of Proposed Ordinary Soil Excavation project located at Gata No.- 311Ka Total Area – 0.421 ha in Vill.: Jata, Pargana- Dewa, Tehsil: Nawabganj, District- Barabanki, U.P.																								
6.	Project Location (Plot. Khasra/Gata No.)	311Ka																								
7.	Name of River	Gomti River an aerial distance 1.0 km South-West																								
8.	Name of Village	Jata																								
9.	Tehsil	Nawabganj																								
10.	District	Barabanki																								
11.	Name of Minor Mineral	Ordinary Soil Excavation project																								
12.	Sanctioned Lease Area (in Ha.)	0.421 ha																								
13.	Max. & Min mRL within lease area	The highest level of area is 115.0 mRL The lowest level is 112.0 mRL																								
14.		<table border="1"> <thead> <tr> <th>Point</th><th>Latitude N</th><th>Longitude E</th></tr> </thead> <tbody> <tr> <td>A</td><td>26°50'15.56"N</td><td>81° 8'28.51"E</td></tr> <tr> <td>B</td><td>26°50'17.72"N</td><td>81° 8'29.23"E</td></tr> <tr> <td>C</td><td>26°50'16.72"N</td><td>81° 8'32.36"E</td></tr> <tr> <td>D</td><td>26°50'15.12"N</td><td>81° 8'31.48"E</td></tr> <tr> <td>E</td><td>26°50'15.26"N</td><td>81° 8'31.02"E</td></tr> <tr> <td>F</td><td>26°50'16.59"N</td><td>81° 8'29.70"E</td></tr> <tr> <td>G</td><td>26°50'15.51"N</td><td>81° 8'29.20"E</td></tr> </tbody> </table>	Point	Latitude N	Longitude E	A	26°50'15.56"N	81° 8'28.51"E	B	26°50'17.72"N	81° 8'29.23"E	C	26°50'16.72"N	81° 8'32.36"E	D	26°50'15.12"N	81° 8'31.48"E	E	26°50'15.26"N	81° 8'31.02"E	F	26°50'16.59"N	81° 8'29.70"E	G	26°50'15.51"N	81° 8'29.20"E
Point	Latitude N	Longitude E																								
A	26°50'15.56"N	81° 8'28.51"E																								
B	26°50'17.72"N	81° 8'29.23"E																								
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E	26°50'15.26"N	81° 8'31.02"E																								
F	26°50'16.59"N	81° 8'29.70"E																								
G	26°50'15.51"N	81° 8'29.20"E																								
15.	Total Geological Reserves	9472 m <sup>3</sup> /annum																								
16.	Total Mineable Reserve	8525 m <sup>3</sup> /annum																								
17.	Total Proposed Production	8525 m <sup>3</sup> (3 months)																								
18.	Proposed Production /year (as per LoI)	2841 m <sup>3</sup> per month																								
19.	Sanctioned Period of Mine lease	03 months																								
20.	Production of mine/day	94.7 m <sup>3</sup> /day																								
21.	Method of Mining	Mining will be carried out by bar scalping or skimming method and mining operation shall be semi-mechanized (OTFM) using scrapers/EMM and chain/tyre mounted bulldozers for rescue & salvage as per SSMG 2016.																								
22.	No. of working days	90																								
23.	Working hours/day	08																								

24.	No. of worker	10
25.	No. of vehicles movement/day	10
26.	Type of Land	Private/Non Forest Land
27.	Ultimate Depth of Mining	2.25 m
28.	Nearest metalled road from site	1.00 km
29.	Water Requirement	PURPOSE Drinking - 0.20 KLD Suppression of dust - 1.60 KLD Plantation - 00.20 KLD Others (if any) - 0.00 KLD Total - 2.025 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Paramarsh Servicing Environment and development NABET/EIA/1821 RA 0120 Valid till – 01/05/2021
31.	Any litigation pending against the project or land in any court	No
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No-378 AJA - 2 dated 23/03/2021
33.	Details of Lease Area in approved DSR	Ordinary Soil Excavation Project
34.	Project Cost	2.75 Lakh
35.	Proposed CER cost	15,000
36.	Proposed EMP cost	79,000.00
37.	Length and breadth of Haul Road	Length – 0.14 km Breadth – 6.00 m
38.	No. of Trees to be Planted	20

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-13**

**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 regarding Soil Earth mining project.**

#### **14. Soil Excavation Project at Gata No.-1421, 1428, 1429, Village- Malaha, Tehsil- Malihabad, District- Lucknow, Shri Gaurav Rajpal Area-1.6503 Ha. File No. 6274/Proposal No. SIA/UP/MIN/208001/2021**

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

1. The environmental clearance is sought for Soil Excavation Project at Gata No.-1421, 1428, 1429, Village- Malaha, Tehsil- Malihabad, District- Lucknow, U.P., (Leased Area-1.6503 Ha).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/208001/2021
2. File No. allotted by SEIAA, UP	6274
3. Name of Proponent	M/s Rajpal Traders And Packager, Prop. Shri Gaurav Rajpal

4. Full correspondence address of proponent and mobile no.	R/o : Near St. Basil School, Khiri Ghat, Tehsil- Basti, District- Lucknow, Uttar Pradesh			
5. Name of Project	Mining of Minor Mineral(Soil)			
6. Project location (Plot/Khasra/Gata No.)	Gata No. 1421, 1428, 1429			
7. Name of River	Gomti River is about 5.34 km towards East direction.			
8. Name of Village	Malaha			
9. Tehsil	Malihabad			
10. District	Lucknow, Uttar Pradesh			
11. Name of Minor Mineral	Ordinary Soil Excavation Project			
12. Sanctioned Lease Area (in Ha.)	1.6503 Ha.			
13. Mineable Area (in Ha.)	1.32024 Ha.			
14. Zero level mRL	NA			
15. Max. & Min mrl within lease area	119 mRL			
16. Pillar Coordinates (Verified by DMO)	Gata No.	Point	Latitude	Longitude
	1421	A	26° 55.250'N	80° 48.367'E
		B	26° 55.247'N	80° 48.328'E
		C	26° 55.217'N	80° 48.332'E
		D	26° 55.219'N	80° 48.373'E
		E	26° 55.228'N	80° 48.372'E
		F	26° 55.241'N	80° 48.367'E
		G	26° 55.245'N	80° 48.369'E
	1428	A	26° 55.201'N	80° 48.456'E
		B	26° 55.180'N	80° 48.422'E
		C	26° 55.190'N	80° 48.405'E
		D	26° 55.196'N	80° 48.395'E
		E	26° 55.203'N	80° 48.389'E
		F	26° 55.241'N	80° 48.447'E
		G	26° 55.226'N	80° 48.467'E
	1429	A	26° 55.201'N	80° 48.456'E
		B	26° 55.181'N	80° 48.426'E
		C	26° 55.168'N	80° 48.457'E
		D	26° 55.165'N	80° 48.491'E
		E	26° 55.185'N	80° 48.504'E
17. Total Geological Reserves	33006 m <sup>3</sup>			
18. Total Mineable Reserves	30366 m <sup>3</sup> in Three Month			
19. Total Proposed Production	30366 m <sup>3</sup> in Three Month or 36439.2 Tonnes			
20. Proposed Production/Month	10,122 m <sup>3</sup> per month			
21. Sanctioned Period of Mine lease	3 months			
22. Method of Mining	Open cast, Semi- Mechanized			
23. Mode of Loading	With the help of one excavator			
24. No. of working days	90 days			
25. Working hours/day	8 hours/day			
26. No. Of workers	Approximately 7 workers			
27. No. Of vehicles movement/day	Approximately 24-25 movements per day			
28. Type of Land	Ordinary Soil Excavation Project			
29. Ultimate Depth of Mining	2.5 m (As per Agreement)			
30. Nearest metalled road from site	SH-25 is about 4.30 km towards South direction from the excavation site.			
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)	
	Drinking		0.17	
	Suppression of dust		4.8	



	Plantation	0.01
	Others (if any)	-
	Total	4.98 KLD( Approx. 5.0 KLD)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1619/IA 0019 and Extended valid up to 31/04/2021	
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. 01/ dated 06/04/2021	
35. Details of Lease Area in approved DSR	NA	
36. Proposed CER cost	Rs 85,950 (5% of the total Project cost)	
37. Proposed EMP cost/ Total Project cost	Rs. 7,00,000/-	
38. Length and breadth of Haul Road	200 m length and 6 m width	
39. No. of Trees to be Planted	10	

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-14**

**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 regarding Soil Earth mining project.**

**15. Sand/Morrum Mining from Betwa Riverbed at Gata No.- 747, Khand No.- 03, Village-Pathrehta, Tehsil-Kalpi, Jalaun, U.P., Shri Nikhil Jain, Area:16.194 ha. File No. 6246/5931/Proposal No. SIA/UP/MIN/62127/2021**

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

1. The environmental clearance is sought for Sand/Morrum Mining from Betwa Riverbed at Gata No.- 747, Khand No.- 03, Village- Pathrehta, Tehsil-Kalpi, Jalaun, U.P., (Leased Area:16.194 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 610/parya/SEAC/5931/2019, dated 07/01/2021.
3. The public hearing was organized on 01/03/2021. Final EIA report submitted by the project proponent on 23/03/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 62127/2021
2.	File No. allotted by SEIAA, UP	6246/ 5931
3.	Name of Proponent	M/s Abundance Toujours Private Limited Prop. Shri Nikhil Jain S/o Shri Sumat Sagar Jain
4.	Full correspondence address of proponent and mobile No.	13A, UNV Block, Shalimarbagh, Delhi.
5.	Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River for Shri Nikhil Jain

6.	Project location (Plot/Khasra/Gata No.)	Gata No. 747, Khand No. 03																							
7.	Name of River	Betwa																							
8.	Name of Village	Pathrehta																							
9.	Tehsil	Kalpi																							
10.	District	JALAUN																							
11.	Name of Minor Mineral	Sand																							
12.	Sanctioned Lease Area (in Ha.)	16.194																							
13.	Max & Min mRL within lease area	Max- 103 mRL and Min- 100.73 mRL																							
14.	Pillar Coordinates (Verified by DMO)	<table><tr><th colspan="3">Sanctioned Mining Lease Area</th></tr><tr><th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr><tr><td>A</td><td>25°52'50.77"N</td><td>79°48'36.83"E</td></tr><tr><td>B</td><td>25°52'54.29"N</td><td>79°48'38.09"E</td></tr><tr><td>C</td><td>25°53'5.66"N</td><td>79°48'39.05"E</td></tr><tr><td>D</td><td>25°53'3.54"N</td><td>79°48'50.62"E</td></tr><tr><td>E</td><td>25°52'48.48"N</td><td>79°48'50.74"E</td></tr></table>			Sanctioned Mining Lease Area			Pillar No.	Latitude	Longitude	A	25°52'50.77"N	79°48'36.83"E	B	25°52'54.29"N	79°48'38.09"E	C	25°53'5.66"N	79°48'39.05"E	D	25°53'3.54"N	79°48'50.62"E	E	25°52'48.48"N	79°48'50.74"E
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15.	Total Geological Reserves	5,37,205cum																							
16.	Total Mineable Reserves in LOI	3,23,880 cum/ Annum																							
17.	Total Proposed Production in 5 year	16,19,400 cum																							
18.	Proposed Production/year	3,23,880 cum																							
19.	Sanctioned Period of Mine lease	5 years																							
20.	Production of mine/day	1,245.69																							
21.	Method of Mining	Opencast, Semi-mechanized																							
22.	No. of working days	260																							
23.	Working hours/day	8 hours																							
24.	No. of workers	63																							
25.	No. of vehicles movement/day	94																							
26.	Type of Land	Government waste land																							
27.	Ultimate Depth of Mining	2.27																							
28.	Nearest metalled road from site	1.8 km																							
29.	Water Requirement	<table><tr><th>PURPOSE</th><th>REQUIREMENT (KLD)</th></tr><tr><td>Drinking</td><td>0.63</td></tr><tr><td>Suppression of dust</td><td>7.44</td></tr><tr><td>Plantation</td><td>0.85</td></tr><tr><td>Total</td><td>8.92</td></tr></table>			PURPOSE	REQUIREMENT (KLD)	Drinking	0.63	Suppression of dust	7.44	Plantation	0.85	Total	8.92											
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Suppression of dust	7.44																								
Plantation	0.85																								
Total	8.92																								
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, certified																							
33.	Details of Lease Area in approved DSR	Yes, given in the DSR																							
34.	Proposed EMP cost including CER Cost	Capital Cost-Rs.1.10 Lac Recurring Cost-4.66 Lac/year																							
35.	No. of Trees to be Planted	425 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-15**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. The committee discussed the matter and directed the project proponent to submit following information:

1. Approved DSR from competent authority.
2. Revised CER according to public hearing.
3. Incremental value for air monitoring.
4. Each page of monitoring report should be signed by authorized signatories.

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

**16. Sand/Morrum Mining from Betwa Riverbed at Gata No.-747, Khand No. 06, Village- Pathrehta, Tehsil-Kalpi, Jalaun., Shri Shyam Mohan Tiwari, M/s Krishna Technoconsultant Pvt. Ltd., Area: 10.121 ha. File No. 6247/5934/Proposal No. SIA/UP/MIN/62183/2020**

**RESOLUTION AGAINST AGENDA NO-16**

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

**17. Shipora Cement Plant at Plot No.- 170/1 & 170m, Village- Khor Near Industrial Area Amanwan Road, Raebareli., Shri Mukes Kumar Gupta, M/s Shipora Cement Works Pvt. Ltd. File No. 6214/Proposal No. SIA/UP/IND/61010/2021**

A presentation was made by the project proponent along with their consultant M/s Ambiantal Global Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Shipora Cement Plant at Plot No. 170/1 & 170m, Village- Khor Near Industrial Area Amanwan Road, Raebareli, U.P., M/s Shipora Cement Works Pvt. Ltd.
2. Salient features of the project:

S. No.	Description	Total
1.	Plot Area	1523.61 Sqm (0.152361 ha)
2.	Production capacity	300x1 =300TPD, 90,000TPA
3.	Green Area	423.76 (27.81% of plot area)
4.	Water Requirement	5 KLD
5.	Manpower	18
6.	Working Days	300 days
7.	Power Demand Source	40 KW, Source:- Uttar Pradesh Power Corporation Ltd. (UPPCL)
8.	Solid Waste Generation	9 kg
9.	RWH Pits	2
10.	Project Cost	Rs. 2.00 Crore
11.	Project Completion Date	2 years

3. Raw material details:

S.No	Material	Requirement per Annum - Million Ton/Annum	Source	Transportation Mode

1	Clinker - PPC	54,000	Near by saler	Sea / Road
2	Gypsum	4,500	Open Market	Road
3	Fly Ash	31,500	Nearby Power Plant	Road

**4. Land requirement details:**

S.no.	Particulars	Total Area (in Ha.)	Area (in %)
1.	Production Plant	0.109985	72.19
2.	Office & Lab Area		
3.	Raw Materials Storage Area		
4.	Solid Waste Storage Area		
5.	Open Space		
6.	Green Belt	0.042376	27.81
	Total	0.152361	100

5. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-17**

**The committee discussed the matter and recommended to issue terms of reference (TOR) for the preparation of Environment Impact Assessment Report (EIA) regarding the project:**

- 1) Wind rose diagram, location of monitoring station and period of monitoring should be provided.
- 2) Executive Summary.
- 3) Introduction:
  - i. Details of the EIA Consultant including NABET accreditation
  - ii. Information about the project proponent
  - iii. Importance and benefits of the project
- 4) Project Description
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
  - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 06 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from

the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

5) Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy

6) Forest and wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
- ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

7) Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.

- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
  - iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
  - iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
  - v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
  - vi. Ground water monitoring at minimum at 8 locations shall be included.
  - vii. Noise levels monitoring at 8 locations within the study area.
  - viii. Soil Characteristic as per CPCB guidelines.
  - ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
  - x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
  - xi. Socio-economic status of the study area.
- 8) Impact and Environment Management Plan
- i. Assessment of ground level concentration of pollutants from the stack emission based on site- specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
  - ii. Water Quality modeling - in case of discharge in water body
  - iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
  - iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
  - v. Details of stack emission and action plan for control of emissions to meet standards.
  - vi. Measures for fugitive emission control
  - vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
  - viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
  - ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
  - xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
  - xii. Action plan for post-project environmental monitoring shall be submitted.
  - xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.
- 9) Occupational health:
- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
  - ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, color vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
  - iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
  - iv. Annual report of health status of workers with special reference to Occupational Health and Safety.
- 10) Corporate Environment Policy:
- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
  - ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
  - iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
  - iv. Does the company have 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? This reporting mechanism shall be detailed in the EIA report
- 11) Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 12) Corporate Environmental Responsibility (CER):
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
  - ii. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
  - iii. A tabular chart with index for point wise compliance of above TOR.
- 13) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 14) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 15) For large Cement Units, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.
- 16) Present land use shall be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from

- proposed site. The same shall be used for land used/land-cover mapping of the area.
- 17) If the raw materials used have trace elements, an environment management plan shall also be included.
  - 18) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
  - 19) Energy consumption per ton of clinker and cement grinding
  - 20) Provision of waste heat recovery boiler
  - 21) Arrangement for use of hazardous waste

**18. Sand/Morrum Mining along River Betwa River Bed in Khand No.-10/22, at Village-Beri, Tehsil & Distt.-Hamirpur., (Area-36.437 Ha). File No. 4390/Proposal No. SIA/UP/MIN/28157/2018**

The committee discussed the letter no. 3053, dated 27/03/2021 and advised the project proponent to submit amendment in TOR application in the light of factual report provided by District Mining Officer, Hamirpur vide letter dated 27/03/2021.

**(Dr. Virendra Misra)**  
**Member**

**(Dr. Sarita Sinha)**  
**Member**

**(Dr. Ranjeet Kumar Dalela)**  
**Member**

**(Meraj Uddin)**  
**Member**

**(Dr. Ajoy Kumar Mandal)**  
**Member**

**(Rajive Kumar)**  
**Member**

**(Dr. Pramod Kumar Mishra)**  
**Member**

**(Dr. S.N. Singh)**  
**Chairman**



**Annexure-1**

**Terms of Reference for the Mining Project**

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year 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 PM<sub>10</sub>, 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 CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM  
MINING PROPOSALS**

**General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under 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.



**Annexure-3**

**Specific Conditions for Sand Moram Mining :-**

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of 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.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and 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.
8. 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.
9. 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.
10. 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.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to 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.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
15. 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)].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.



17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. 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.
20. 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.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. 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.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. 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.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. 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.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. 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.
31. 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.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.

**Annexure-4**

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

**General condition:**

1. This environmental clearance does not create or verify any claim of applicant on the proposed site/activity.
2. Any mining activity shall be undertaken only after valid permission from Mining Department/District Administration and written agreement with land owner from where earth excavation is proposed.
3. No change in mining technology and scope of working shall be made without approval of Authority.
4. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
5. The Authority reserves the right to revoke the clearance if conditions stipulated are not implemented. The Authority will also be entitled to impose additional environmental conditions or modify the existing ones, if necessary.
6. In case of any deviation or alteration in the project proposed from those submitted to this Authority for clearance, a fresh reference should be made to the Authority to assess the adequacy of the condition(s) imposed and to add additional environmental protection Measures required, if any.
7. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

**Specific Conditions:**

1. Environment management should be in accordance with the present environment status of the project.
2. The Environmental clearance will be co-terminus with the agreement/lease.
3. Approach kachcha road should be made motorable and maintained periodically.
4. Transportation of soil should be undertaken in covered containers.
5. Rehabilitation plan with planting of trees to be submitted along with the closure plan.
6. Land to be levelled and handed over to the owners after completion of excavation work.
7. A valid NOC from State Pollution Control Board shall be obtained for the Brick kiln prior to operation as per law and all guidelines must be followed, if applicable.
8. The mining operations shall be strictly limited to the proposed mining sites and proposed purpose.
9. Top soil should be adequately preserved and should be used for landscaping.
10. Excavated soil should be properly stored in a manner not to increase surrounding air pollution level.
11. Water sprinkling should be exercised during excavation and storage of soil for suppression of fugitive dust.
12. Excavated area should be properly reclaimed and ensured that no open bore hole is left.
13. Safety measures for the people working at the site shall be duly taken care of as per law.
14. The excavation work shall be done in day time only.
15. The project boundary shall be properly covered to restrict dust dispersion.

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