

Minutes of 566th SEAC Meeting Dated 02/09/2021

The 566th meeting of SEAC-2 was held in hybrid (physical and virtual) through video conferencing in view of the Corona Virus Disease (Covid-19) on 02/09/2021. Following members participated in the meeting:

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

The Chairman welcomed the members to the 566th SEAC meeting which was conducted online. The SEAC-2 unanimously took following decisions on the agenda points discussed in meeting :

1. Group Housing Project at Khasra No.- 397 Sa & 399 Vill-Ardaunamau, Lucknow U.P. M/s Paarth Infrabuildtech. File No. 1824/Proposal No. SIA/UP/MIS/182290/2020

The committee noted that the matter was earlier listed in 525th SEAC meeting dated 19/02/2021 and directed the project proponent to submit following information:

1. Compliance report as per the EC conditions given.
2. Details of existing and proposed plantation photographs of soft green area.

The project proponent submitted their replies vide letter dated 23/03/2021. A presentation was made by the project proponent along with their consultant M/s Greencindia Consulting Pvt. Ltd. The committee discussed the matter and observed that the reply submitted by the project proponent was not satisfactory. Hence, the committee directed the project proponent to submit following information:

1. Six monthly compliance reports of the project for last four (04) periods.
2. Certified six monthly recent compliance report of the project.
3. Status of RERA Registration along with certificate from RERA authority that there is no litigation pending against the existing project.
4. How much construction work has been done by the project proponent after the expiry of the validity of environmental clearance, as informed during the presentation before SEAC.
5. The green Belt photographs provided in the compliance show existence of plants of belonging to recent ages whereas EC has been issued several years ago on 12/10/2013. PP to provide proper reason for such violation.
6. PP to also provide proper justification of year wise plantation implemented to mitigate pollution while commencing constructions activities. Proper records of year wise construction completed and number of plants to be submitted with justification and evidences.
7. Project Proponent to provide information with proper justification and evidences on source of water in view of pending CGWA application.

2. Stone Mining at Khasra/Gata No.-1141, Village-Darharam, Tehsil- Sadar, District-Mirzapur, U.P., Shri Indulata Pandey, Sahaspur, Tehsil- Chunar, Mirzapur., Area-0.607 Ha. File No. 5417/Proposal No. SIA/UP/MIN/47312/2020

The committee noted that the matter was earlier listed in 546th SEAC meeting dated 10/06/2021 and the project proponent did not appear in the meeting. The project proponent vide letter dated 15/07/2021 requested to list the project proposal in upcoming SEAC meeting for appraisal.

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.- 1141, Village-Darharam, Tehsil-Sadar, District-Mirzapur, U.P., (Leased Area-0.607 ha.), M/s Indulata Pandey.
2. The terms of reference in the project proposal were issued by SEIAA, U.P. vide letter no. 90/Parya/SEAC/5417/2019, dated 27/05/2020.
3. Public hearing was organized on 16/01/2021 and final EIA report submitted by the project proponent on 11/03/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/47312/2020		
2.	File No. allotted by SEIAA, UP	5417		
3.	Name of Proponent	Smt Indulata Pandey		
4.	Full correspondence address of proponent and mobile no.	Smt Indulata Pandey		
		R/o- Sahaspur, Chunar, Mirzapur, Uttar Pradesh.		
		Mobile no.-		
		E-mail Id- indulatapandey5418@gmail.com		
5.	Name of Project	Building Stone (Sandstone) Mining Village –Darharam, Tehsil-Sadar, District–Mirzapur, Uttar Pradesh		
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –1141, Village –Darharam, Tehsil-Sadar, District–Mirzapur, Uttar Pradesh		
7.	Name of River	NA		
8.	Name of Village	Darharam		
9.	Tehsil	Sadar		
10.	District	Mirzapur		
11.	Name of Minor Mineral	Building Stone (Sandstone) Mining		
12.	Sanctioned Lease Area (in Ha.)	0.607 ha.		
13.	Max. & Min mRL within lease area	109mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No	N	E
		A	25° 0'42.26"N	82°41'47.50"E
		B	25° 0'40.90"N	82°41'52.12"E
		C	25° 0'39.58"N	82°41'51.70"E
		D	25° 0'40.99"N	82°41'46.92"E
15.	Total Geological Reserves	125925 m ³		
16.	Total Mineable Reserve (as per Approved Mine Plan)	100602 m ³		
17.	Total Proposed Production	33534 m ³ /year		
18.	Proposed Production /year	33534 m ³ /year		
19.	Sanctioned Period of Mine lease	0.607 ha.		
20.	Production of mine/day	112 m ³ /day		

21.	Method of Mining	Opencast, Semi-Mechanized	
22.	No. of working days	300	
23.	Working hours/day	8	
24.	No. of worker	21	
25.	No. of vehicles movement/day	40	
26.	Type of Land	Private land	
27.	Ultimate of Depth of Mining	100mRL	
28.	Nearest metalled road from site	0.4 km	
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.7 KLD
		Suppression of dust	3.0 KLD
		Plantation	0.4 KLD
		Total	4.1 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 29/09/2021	
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. 3709/khanij/2020	
33.	Details of Lease Area in approved DSR	0.607 ha.	
34.	Proposed CER cost	Rs. 1.48 lakh	
35.	Proposed EMP cost	Total project cost-82 lakh	
36.	Length and breadth of Haul Road	0.4 km & 6m	
37.	No. of Trees to be Planted	200	

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

RESOLUTION AGAINST AGENDA NO-02

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

1. Revised CER Plan with the consultation of District Authority.
2. Detailed plan for dust suppression.
3. Revised plan for safe disposal of municipal solid waste.
4. Plan for vehicular movement.
5. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.

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

3. Stone Mining at Gata No./Araji No-997 mi, at Village- Sindhora, Tehsil- Sadar, Mirzapur, U.P., M/s Unnati Construction., Area -0.809 ha. File No. 4989/Proposal No. SIA/UP/MIN/40892/2019

The committee noted that the matter was earlier listed in 534th SEAC meeting dated 22/03/2021 and the project proponent did not circulate the documents to the members of SEAC on time hence, the committee decided to defer the matter. The project proponent vide letter dated 16/07/2021 requested to list the project proposal in upcoming SEAC meeting for appraisal.

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 Building Stone (Sand stone) mine, at Gata No. /Araji No. 997 mi at Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh, (Leased Area-0.809 ha), M/s Unnati Construction.
2. The terms of reference in the project proposal were issued by SEIAA, U.P. vide letter no. 418/Parya/SEAC/4989/2019, Dated 27/11/2019.
3. Public hearing was organized on 03/10/2020 and final EIA report submitted by the project proponent on 11/11/2020.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/40892/2019																
2.	File No. allotted by SEIAA, UP	4989																
3.	Name of Proponent	Shri Vivek Kumar Singh																
4.	Full correspondence address of proponent and mobile no.	Vivek Kumar Singh S/o Shri Arvind Kumar Singh R/o: Vill- Chhitauni, Thana- Chaubepur, Tehsil- Sadar, District- Varanasi U.P.																
		Mobile no. – 9559645020																
		E mail ID - unnatistonemzp@gmail.com																
5.	Name of Project	Environmental clearance of proposed Building Stone (Sand stone) mine, at Gata No. /Araji No. 997 mi,Area-0.809 ha (2.0 Acers) at Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh M/s Unnati Construction.																
6.	Project Location (Plot. Khasra/Gata No.)	997 mi																
7.	Name of River	Ganga River - 2.50* Km (N) Jargo Dam – 13.26 Km (SE))																
8.	Name of Village	Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh																
9.	Tehsil	Sadar																
10.	District	Mirzapur																
11.	Name of Minor Mineral	Building Stone (Sand stone)																
12.	Sanctioned Lease Area (in Ha.)	0.809 ha																
13.	Max. & Min mRL within lease area	Highest 127.20 mRL Lowest: 115.10 mRL																
14.	Pillar Coordinates (Verified by DMO)	<table><tr><td colspan="4">Gata No. /Araji No. 997 mi,Area-0.809 ha (2.0 Acers) at Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh M/s Unnati Construction.</td></tr><tr><td>Pillar No</td><td>N</td><td>E</td><td></td></tr><tr><td>A</td><td>25° 5.330'</td><td>82° 48.845'</td><td></td></tr><tr><td>B</td><td>25° 5.325'</td><td>83° 48.939'</td><td></td></tr></table>	Gata No. /Araji No. 997 mi,Area-0.809 ha (2.0 Acers) at Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh M/s Unnati Construction.				Pillar No	N	E		A	25° 5.330'	82° 48.845'		B	25° 5.325'	83° 48.939'	
			Gata No. /Araji No. 997 mi,Area-0.809 ha (2.0 Acers) at Village - Sindhora, Tehsil- Sadar, District- Mirzapur, Uttar Pradesh M/s Unnati Construction.															
			Pillar No	N	E													
			A	25° 5.330'	82° 48.845'													
B	25° 5.325'	83° 48.939'																

			C	25° 5.297'	83° 48.937'		
			D	25° 5.301'	83° 48.845'		
15.	Total Geological Reserves	3,60,165 m ³					
16.	Total Mineable Reserve	65,718 m ³					
17.	Total Proposed Production	40,450 m ³ (5 years)					
18.	Proposed Production /year	8090 m ³ /annum					
19.	Sanctioned Period of Mine lease	5 years					
20.	Production of mine/day	27 m ³ /day					
21.	Method of Mining	Opencast, Manual/Semi-mechanized method					
22.	No. of working days	300					
23.	Working hours/day	8					
24.	No. of worker	20					
25.	No. of vehicles movement/day	13					
26.	Type of Land	Govt./Non Forest Land (riverbed)					
27.	Ultimate of Depth of Mining	12.0 m					
28.	Nearest metalled road from site	0.70 km					
29.	Water Requirement	PURPOSE					
		Drinking - 0.20 KLD					
		Suppression of dust - 8.4 KLD					
		Plantation - 0.285 KLD					
		Others (if any) - 0.00 KLD					
		Total - 8.885 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 – 19/10/2021					
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 – 2364/Khanij/K.S./2021 dated 21/03/2021					
33.	Details of Lease Area in approved DSR	Serial no. 72, Page no.13					
34.	Project Cost	1.10 Crore/annum					
35.	Proposed CER cost	2.20 lacs/annum					
36.	Proposed EMP cost	11.77 lacs					
37.	Length and breadth of Haul Road	Length – 0.70 km Breadth – 6.00 m					
38.	No. of Trees to be Planted	285					

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

RESOLUTION AGAINST AGENDA NO-03

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 the minutes.

4. Stone Mining at Gata No.-669, Khand No.-27, Village- Khailar, Tehsi -Sadar, District-Jhansi, U.P., Shri Anand Kumar Yadav., Area- 2.023 ha. File No. 6061/Proposal No. SIA/UP/MIN/189510/2020

The committee noted that the matter was earlier listed in 538th SEAC meeting dated 12/04/2021 and directed the project proponent to submit following information:

1. Revised plantation details as per guidelines.
2. Revised EMP.
3. Production details should be mentioned in metric ton form.
4. Approved DSR from competent authority.
5. Original photo affidavit regarding salient features of the project.

The project proponent submitted their replies vide letter dated 28/07/2021 and the matter was listed in 566th SEAC meeting dated 02/09/2021. 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 Stone Mining at Gata No.-669, Khand No.-27, Village-Khailar, Tehsi -Sadar, District-Jhansi, U.P., (Leased Area- 2.023 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/189510/2020		
2. File No. allotted by SEIAA, U.P	6061		
3. Name of Proponent	Shri Anand Kumar Yadav S/o Shri Sadhu Ram Yadav		
4. Full correspondence address of proponent and mobile no.	R/o – 27, Isai Chowki, Khailar District & District - Jhansi (U.P.)		
5. Name of Project	Building Stone Khanda-boulder / Gitti-ballast Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No- 669, Khand No. - 27		
7. Name of River	NA		
8. Name of Village	Khailar		
9. Tehsil	Sadar		
10. District	Jhansi (U.P.)		
11. Name of Minor Mineral	Building Stone Khanda-boulder / Gitti-ballast Mining Project		
12. Sanctioned Lease Area (in Ha.)	2.023 Ha		
13. Mineable Area (in Ha.)	1.5625 Ha. (safety margin 0.4605 Ha)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Max. & Min 331.0 mRL & 274.0 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude	Longitude
	A	25°20'58.81"N	78°31'47.63"E
	B	25°20'56.82"N	78°31'47.74"E
	C	25°20'54.99"N	78°31'45.50"E
	D	25°20'50.04"N	78°31'47.31"E
	E	25°20'53.07"N	78°31'50.26"E
	F	25°20'58.88"N	78°31'49.51"E
17. Total Geological Reserves	12,86,424 m ³		
18. Sanctioned Quantity as per LOI	50,575 m ³ per year		
19. Total Proposed Production (in five year)	2,52,875 m ³ in 5 years		
20. Proposed Production/year	50,575 m ³ per year		
21. Sanctioned Period of Mine lease	20 Year		
22. Production of mine/day	169.0 m ³ day approx.		
23. Method of Mining	Open cast, Manual, Semi-Mechanized		

24. No. of working days	300	
25. Working hours/day	8 hours/day	
26. No. Of workers	Approximately 38 workers	
27. No. Of vehicles movement/day	Approximately 13-14 movements per day.(Vehicles such as Truck dumper/tipper, Tractor Trolleys, etc. will be in use)	
28. Type of Land	Government Land(rocky Barren)	
29. Ultimate Depth of Mining	6 m	
30. Nearest metalled road from site	NH26 about 0.52 km towards East direction from project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.48 KLD
	Suppression of dust	9.32 KLD
	Plantation	0.6 KLD
	Others (if any)	-
	Total	10.67 KLD or (approx. 10.7 KLD)
32. Name of QCI Accredited Consultant with QCI No And period of validity.	M/s Environmental Research and Analysis, Lucknow (U.P.) Certificate No. NABET/EIA/1922/RA 0200 and valid up to 30/12/ 2022	
33. Any litigation pending against the project or land in any court	NO	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 1044/30M.M.C/2020-21, Jhansi on Dated 17/09/2020	
35. Details of Lease Area in approved DSR	Amendment Letter No. 439/ 30 M.M.C/2021-22 on Dated 23/07/2021	
36. Proposed EMP cost	Rs 25,59,200/-	
37. Proposed Total Project cost	Rs. 80,46,000/-	
38. Length and breadth of Haul Road	270 m length and 6 m width	
39. No. of Trees to be Planted	1000	

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-04

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

5. Capacity Expansion of Building Stone Mining at Gata No.-128, Khanda No.- 01, Village- Marhathi, Mahoba, U.P., M/s Sahu Stone Crushing Industries, Area-1.619 ha. File No. 5432/Proposal No. SIA/UP/MIN/133298/2019

The committee noted that the matter was earlier discussed in 455th SEAC meeting dated 26/02/2020 and directed the project proponent to submit certified compliance report for earlier environmental clearance issued by SEIAA.

The project proponent submitted their replies vide letter dated 30/07/2021. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development).

The committee discussed the matter and opined that the project proponent has not submitted the certified compliance report as directed by the SEAC. Hence, the committee again directed the project proponent/consultant to submit certified compliance report for the earlier environmental clearance issued by SEIAA, U.P.

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

6. Sand/Morrum Mine from Betwa River bed at Gata No.-64 Khand No.-01, Village-Kalyanpura, Tehsil-Tahrauli, Jhansi, Shri Veerendra Singh Rajput. Area-4.0 Ha. File No. 6367/Proposal No. SIA/UP/MIN/215780/2021

RESOLUTION AGAINST AGENDA NO-06

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.

7. Granite Mine at Gata No.-1876, Khand No.-09, Village- Girwan, Tehsil-Naraini, Banda., Smt. Deepali Singh Area-0.5 ha. File No. 6369/Proposal No. SIA/UP/MIN/64010/2021

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

1. The terms of reference is sought for Granite Mining at Gata No.-1876, Khand No.-09, Village- Girwan, Tehsil-Naraini, District-Banda, U.P. (Leased Area-0.5 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Sr. No. 7, 566 th SEAC-2 Meeting, Date : 02-09-2021				
2. On-line proposal No.	SIA/UP/MIN/64010/2021, Dated: 19-06-2021				
3. File no. allotted by SEIAA, UP	6369				
4. Name of Proponent	M/s Bundelkhand Rocks Smt Deepali Singh W/o Shri K.P Singh				
5. Full correspondence address of proponent and mobile no.	R/o-Ashirwaad Palace, Nayapura Naikana, Tehsil & District: Mahoba, U. P.				
6. Name of Project	"Granite, Khanda, Gitti, Boulder Mining Project"				
7. Name of River	Ken River				
8. Project location (Plot/Khasra/Gata No.)	Gata No. – 1876, Khand No.-09, Area: 0.5Ha., Village: Girwan, Tehsil: Naraini, District: Banda (U.P.)				
9. Name of Minor Mineral	Granite, Khanda, Gitti, Boulder				
10. Schedule (as per EIA notification 2006)	1(a)i				
11. Category of Project	B(1)				
	S. No.	Village	Gata No.	Khand No.	Area (Ha)
	1	Girwan	1876	1	2.02
	2	Girwan	1876	2	0.8
	3	Girwan	1876	3	1.41

	4	Girwan	1876	4	1.21
	5	Girwan	1876	5	1.21
	6	Girwan	1876	6	0.75
	7	Girwan	1876	7	0.80
	8	Girwan	1876	8	0.91
			Total Area= 9.61 Ha		
Since the total area exceeds 5Ha, therefore as per MoEF&CC, GoI O.M. No. L-11011/175/2018-IA-II (M) Dated: 12/12/2018 if a cluster or an individual lease exceeds 5 Ha (Cluster Certificate attached as Annexure) the EIA/EMP be made applicable in the process of grant of prior Environmental Clearance.					
12. Sanctioned Lease Area (in Ha.)		Total Lease Area: 0.5 Ha			
13. Mineable/Workable Area (in Ha.)		0. 5Ha			
14. Project Status		New Mine, District Magistrate has given consent vide letter No. 3595/खनिज-30, Banda, Dated 21/01/2021, Mining Lease area granted for maximum 10 years having production capacity 5,000 m ³ /annum.			
15. Pillar Coordinates (Verified by DMO)	Pillars	Latitude(N)		Longitude(E)	
	A	25°18'36.64"N		80°23'0.92"E	
	B	25°18'37.02"N		80°23'3.07"E	
	C	25°18'34.30"N		80°23'4.63"E	
	D	25°18'33.69"N		80°23'2.49"E	
16. Zero level mRL		-			
17. Max. & Min mRL within lease area		Highest Point :159mRL Lowest Point :149mRL			
18. Total Geological Reserves		2,08,980 m ³			
19. Total Mineable Reserves (in approved mining plan)		74,958 m ³			
20. Proposed Production/year		5,000 m ³ per annum			
21. Sanctioned Period of Mine lease		10 years			
22. Production of mine/day		19.23 cum/day (53.844 T/day) Bulk Density =2.8			
23. Method of Mining	Method	Technology		Tools/ Machines	
	Manual mining with drilling and blasting	Opencast, semi-mechanized (Other than fully mechanized)		Jack hammer drill rods, Blasting material	
24. No. of Working days		260 Days			
25. Working hours/day		8 hours/day			
26. No. of Workers		26			
27. No. of vehicles movement/day		5 Units (Assumed Loading Capacity: 10 m ³ /Unit)			
28. Type of Land		State Government Land			
29. Ultimate Depth of Mining		12 m			
30. Nearest metalled road from site		450 m			
31. Water Requirement	Source	Purpose	Detail		Avg.Demand /Day
	Portable Tanker	Drinking @15 lpcd/worker	26 workers x 15lpcd = 390lit/day		0.39KLD
		Land reclamation/plantation @2 Lit/Tree	100Trees x2liters= 200 Lit/day		0.2KLD
		Dust suppression twice in a day	Haul Road Area = (450m Length		6.3 KLD

	(Haulage Road Area) @2 Lit/Sq.m	x 7m Width = 3150m ²) x 1 lit/sq.m = 3150 litx 2(Twice per day) = 6300 lit/day	
	Total		6.89KLD
32. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till September 29/2021		
33. Any litigation pending against the project or hand in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), 3795/Khanij-30, Banda, Date - 09/02/2021		
35. Details of Lease Area in approved DSR	Approved DSR, Banda : Page No. 2, Sr. No. 34 letter No. 1374/खनिज-30, बाँदा, Date-13/08/2021		
36. Total Cost of Project	Rs. 61.77 Lakhs		
37. Proposed CER Cost	Rs. 3.09 Lakhs (5% of the total Project Cost)		
38. Proposed EMP Cost	Rs. 24.70 Lakhs		
39. Length and breadth of Haul Road	Length 450 m & Width 7 m		
40. No. of Trees to be Planted	100 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-07

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

Additional TOR:

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

8. Sand Stone Mining at Gata No.-754, Village- Jigan, Tehsil- Chunar, District-Mirzapur, U.P., Smt. Jai Prabha Devi, M/s Jai Prabha Devi., Area -1.212 ha. File No. 5169/Proposal No. SIA/UP/MIN/45612/2019

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Stone Mining at Gata No.-754, Village- Jigan, Tehsil- Chunar, District-Mirzapur, U.P., (Leased Area -1.212 ha.), M/s Jai Prabha Devi.
2. The terms of reference in the project proposal were issued by SEIAA, U.P. vide letter no. 319/Parya/SEAC/5169/2019, dated 11/09/2020.
3. Public hearing was organized on 08/01/2021 and final EIA report submitted by the project proponent on 21/06/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/45612/2019		
2.	File No. allotted by SEIAA, UP	5169		
3.	Name of Proponent	Smt. Jaiprabha Devi W/o Shri Kumud Kumar		
4.	Full correspondence address of proponent and mobile no.	R/o Koiran Bazar, Vill- Ahraura, Tehsil-Chunar & Distt- Mirzapur U.P.		
5.	Name of Project	Building Stone (Sandstone) Mining Project Smt. Jaiprabha Devi at Gata No'. 754 Village-Jigna, Tehsil-Chunar, District- Mirzapur, U.P. Area 1.212 Ha		
6.	Project Location (Plot.Khsra/ Gata/Araji No.)	Gata No- 754		
7.	Name of Village	Jigna		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	Building Stone (Sandstone)		
11.	Sanctioned Lease Area (in Ha.)	1.212 Ha.		
12.	Max. & Min mRL within lease area	96.0 mRL & 89.0 mRL		
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25°02'25.806"N	83°03'20.226"E
		B	25°02'28.83"N	83°03'18.894"E
		C	25°02'27.642"N	83°03'13.59"E
		D	25°02'30.102"N	83°03'13.71"E
14.	Total Geological Reserves	444263 m ³ /Annum		
15.	Total Mineable Reserve in LOI	12120 m ³ /Annum		
16.	Total Proposed Production in LOI	12120 m ³ /Annum		
17.	Total Proposed Production in 20 Years	12120*20=2,42,400 m ³		
18.	Sanctioned Period of Mine lease	20Years		
19.	Production of mine/day	40m ³		
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
21.	No. of working days	300 Days		
22.	Working hours/day	8 Hours		
23.	No. of worker	24 Workers		
24.	No. of vehicles movement/day	4 Trucks / Day (Depending on market demand)		
25.	Type of Land	Govt. Land		
26.	Ultimate of Depth of Mining	6.00 m		
27.	Nearest metalled road from site	1.10 Km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	

		Drinking	0.24 KLD
		Suppression of dust	9.6 KLD
		Plantation	2.4 KLD
		Others (if any)	
		Total	12.24 KLD (Approx. 13.00 KLD)
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-1050 Date-20.8.2019	
32.	Details of Lease Area in approved DSR	Page No'-10 Sr. No'-06	
33.	Proposed CER cost	2% of total project cost i.e. Rs.1.25 Lakhs	
34.	Proposed EMP cost	14.52 Lakhs	
35.	Length and breadth of Haul Road	800 mt Length & 6m width haulage road	
36.	No. of Trees to be Planted	600 Trees	

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

RESOLUTION AGAINST AGENDA NO-08

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

1. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.
2. Revised CER Plan with the consultation of District Authority alongwith address of activities.
3. Source of water details.
4. Detailed plan for dust suppression.
5. Revised plan for safe disposal of municipal solid waste.

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

9. Stone Mining at Gata No.-323, Khand No.- 04, Village-Mochipura, Tehsil-Sadar, Mahoba, U.P. Shri Anubhav Singh, Area-0.769 ha. File No. 6372/Proposal No. SIA/UP/MIN/64028/2021

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 terms of reference is sought for Stone Mining at Gata No.-323, Khand No. 04, Village-Mochipura, Tehsil-Sadar, District-Mahoba, U.P. (Leased Area-0.769 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/64028/2021
2.	File No. allotted by SEIAA, U.P.	6372
3.	Name of Proponent	Shri Anubhav Singh S/o Shri Kalyan Singh
4.	Full correspondence address of proponent and mobile no.	R/O - H.No. 78(2), Kanpur Sagar Marg, Vishal Nagar, Kabrai, Tehsil & District-Mahoba (U.P.)
5.	Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining

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	Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No./ Gata No. 323 (Khand No. – 04),		
7. Name of River	NA		
8. Name of Village	Mochipura		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	0.769 Ha.		
13. Mineable Area (in Ha.)	0.467 Ha. (Safety Margin 0.302Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 165 & 124 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	N25°23'25.80"	E80°00'07.86"
	B	N25°23'25.24"	E80°00'09.19"
	C	N25°23'22.23"	E80°00'10.22"
	D	N25°23'21.22"	E80°00'10.09"
	E	N25°23'19.61"	E80°00'09.00"
	F	N25°23'19.63"	E80°00'08.55"
17. Total Geological Reserves	1,54,262 m ³		
18. Sanction Quantity as per LOI	7,690 m ³ per year as per LOI		
19. Total Proposed Production (in three year)	23,070 m ³ in three year		
20. Proposed Production/year	7,690 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	25.63 m ³ /day		
23. Method of Mining	Open cast, Mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	19		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 0.25 km aerial distance towards South-East direction from project site.		
31. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking water		0.29 KLD
	Dust suppression		3.0 KLD
	Plantation		0.35 KLD
	Others (if any)		-
	Total		3.64 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 292/ MMC-30/2021-22 Date- 29/05/2021		
35. Details of Lease Area in approved DSR	Page No.- 84, and Serial No-14		
36. Proposed EMP cost	17,40,500/-		
37. Proposed Total Project cost	Rs. 80,00,000/-		
38. Length and breadth of Haul Road	250 m length and 6.0 m width		
39. No. of Trees to be Planted	350		

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

RESOLUTION AGAINST AGENDA NO-09

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

Additional TOR:

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

10. Sand/Morrum Mine from Rihand River bed at Gata No.-246, Khand No.-da, Village-Khebandha, Tehsil-Obrai, Sonbhadra, Shri Sushil Kumar Singhal, M/s R.K. Trans port and Construction Ltd., Area-6.00 ha. File No. 6376/Proposal No. SIA/UP/MIN/64042/2021

RESOLUTION AGAINST AGENDA NO-10

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.

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

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

(Prof. Jaswant Singh)
Member, SEAC-2

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

Annexure-1

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

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

for representative of the State Forest Department to assist the Expert Appraisal Committees.

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free

silica, should be given.

- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given.
- 27) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 28) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 29) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 30) Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 31) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 32) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 33) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 34) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 35) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 36) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 37) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 38) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with

budgetary allocations.

- 39) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 40) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 41) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 42) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 43) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 44) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 45) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 46) Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include: (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Annexure-2

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data of pollutants shall be regularly up loaded on the company's website.
7. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dt. 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement for dust suppression on haul roads, mining areas, loading and unloading and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs and health records of the workers shall be maintained.
11. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like mask and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to day hours time only.
15. Provision shall be made for the housing the labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, toilet facility separate for man and women or mobile toilets with safe disposal of human excreta, safe drinking water supply, medical health

care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

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

B. Specific Conditions:

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

5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan. The Mining plan approved by the Dept. of Mines and Geology shall be strictly implemented and shall not be operated beyond the validity period.
6. Explosive cannot be stored on the site. The Project proponent shall take approval from Chief Controller of Explosive, if applicable for use or storage of explosive or any such materials.
7. A comprehensive EIA including mining areas within 15 K.M. to assess impact of the mining activity on the surrounding area shall be undertaken and report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation works in the exhausted pit shall be completed so as to ensure that reclamation, forest cover and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore bearing area is worked for expansion.
10. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
11. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and a observation report submitted to the Regional office, MoE&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the day time only. The project proponent shall ensure prevention of displacement of human beings/wild animals/birds etc. and in case any such displacement is caused due to blasting/mining operation by any chance the project proponent shall take suitable measures for their rehabilitation and resettlement.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expenses. The link roads from mining area to main road shall be constructed as all-weather road with black topping and maintained by the project proponent.
17. The surface runoff rain water harvesting/rain water recharge and water conservation measures will be taken by project proponent in consultation with central /State ground water Board .The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flows from the mining area. The supernatant of the siltation basin and rain water harvested water shall be utilized for watering the haulage area ,roads and green belt development etc.
18. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.

19. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs, if any flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine and drainage in the direction of flow of ground water shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.

29. The project proponent will ensure for providing employment to local people as per requirement, necessary protection measures around the mine pit and waste dump and garland drain around the mine pit and waste dump.
30. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
31. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board on six monthly basis.
33. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
34. Permission for abstraction of ground water shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority and Regional Director, Central Ground Water Board.
35. The waste water from the mine shall be treated to conform to the prescribed standards before discharging in to the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board and the State Pollution Control Board.
36. Hydro geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Suitable measures shall be taken for proper maintenance of vehicles used in quarry operation and in transportation to control the vehicular pollution. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for extraction of ground water, if any. The project proponent shall take all suitable measures to prevent pollution of ground water and nearby water bodies in consultation with UP Pollution Control Board. Consent to Establish and

Consent to operate, if applicable should be obtained by project proponent from UP Pollution Control Board prior to start of production from mining.

39. A final mine closure plan/Exit protocol for rehabilitation of mined out land to match its surrounding land use , along with details of Corpus Fund, shall be submitted to the Regional office, Ministry of Environment & Forests, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval. The project proponent shall ensure the implementation of approved plan under supervision of the Department of Mines and Geology and the completion and compliance report shall be submitted to the above dept. and UP Pollution Control Board.
40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health check-up record of the mine workers has to be maintained at site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB and other Govt. Agencies from time to time.
44. The blasting will be done only after getting the permission from the Mining Department.