

Minutes of 558th SEAC-2 Meeting Dated 13-08-2021

The 558th meeting of SEAC-2 was held through video conferencing in view of the Corona Virus Disease (Covid-19) on 13/08/2021. Following members participated in the online 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. | Prof. Jaswant Singh, | Member, SEAC-2 |
| 5. | Dr. Shiv Om Singh, | Member, SEAC-2 (through VC) |
| 6. | Director, Environment, | Member Secretary, SEAC-2 |

The Chairman welcomed the members to the 558th SEAC meeting which was conducted online.

The SEAC unanimously took following decisions on the agenda points discussed:

1. **Residential Complex at Plot No- GH-08A, Tech Zone-IV, Greater Noida, U.P., M/s Habitech Infrastructure Pvt. Ltd. File No. 6325/ Proposal No. SIA/UP/MIS/63672/2021**

RESOLUTION AGAINST AGENDA NO-01

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.

2. **Stone Mining at Arazi No.-339, Khand No.-26 New, 29 Old, at Village- Daharra, Tehsil-Sadar, Mahoba, U.P., Shri Ram Kishore Singh, M/s Shivam Granite., Area-1.619 ha. File No. 6329/ Proposal No. SIA/UP/MIN/61460/2021**

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 Arazi No.-339, Khand No.-26 New, 29 Old, at Village- Daharra, Tehsil-Sadar, District-Mahoba, U.P., M/s Shivam Granite, (Leased Area- 1.619 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61460/2021
2. File No. allotted by SEIAA, U.P	6329
3. Name of Proponent	M/s Shivam Granite Proponent- Shri Ramkishor Singh S/o Shri Guru Prasad Singh
4. Full correspondence address of proponent and mobile no.	R/o- Gandhi Nagar, Bajrang Chaouk District- Mahoba(U.P.)
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project
6. Project location (Plot/Khasra/Gata No.)	Arazi No.339 (Khand No. – 26 New, 29 Old)
7. Name of River	NA
8. Name of Village	Daharra
9. Tehsil	Sadar
10. District	Mahoba (U.P.)
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project

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12. Sanctioned Lease Area (in Ha.)	1.619 Ha.		
13. Mineable Area (in Ha.)	1.296 Ha. (Safety Margin 0.323 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 225.95 & 213.10 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°20'09.334"	79°58'01.193"
	B	25°20'09.131"	79°58'07.546"
	C	25°20'08.019"	79°58'07.500"
	D	25°20'08.257"	79°58'06.686"
	E	25°20'06.090"	79°58'06.218"
	F	25°20'06.183"	79°58'04.958"
G	25°20'05.366"	79°58'01.236"	
17. Total Geological Reserves	8,65,088 m ³		
18. Sanction Quantity as per LOI	80,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	4,00,000 m ³ in five year		
20. Proposed Production/year	80,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	266.7 m ³ /day		
23. Method of Mining	Open cast, semi-mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	44		
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-86 is about 3.0 km towards West direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.54 KLD	
	Dust suppression	5.52 KLD	
	Plantation	0.01 KLD	
	Others (if any)	-	
	Total	6.0 KLD Approx.	
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022		
33. Any litigation pending against the project or land in any court	No		
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 7411/ MMC-30/2020-21 Date- 16/12/2020		
35. Details of Lease Area in approved DSR	Corrigendum Letter no: 154/M.M.C-30-Khanij(2021-22) dated 12/05/2021		
36. Proposed EMP cost	Rs 32,71,600		
37. Proposed Total Project cost	Rs. 95,00,000 /-		
38. Length and breadth of Haul Road	230 m length and 6.0 m width		
39. No. of Trees to be Planted	800		

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

5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-02

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

Additional TOR:

1. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
2. Revised CER Plan with the consultation of District Authority.
3. Detailed plan for dust suppression.
4. 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.
5. Plan for vehicular movement.
6. 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.

3. Sand Stone Mining at Araj No.-2098, Khand No.-A, Village Bhatauti, Tehsil-Meja, Prayagraj., Shri Tauseef Ahmed, Area-6.073 ha. File No. 6330/ Proposal No. SIA/UP/MIN/63344/2021

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 Stone Mining at Araj No.-2098, Khand No.-A, Village Bhatauti, Tehsil-Meja, Prayagraj, U.P (Leased Area-6.073 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Agenda No. 558 th , Meeting Dated- 13-08-2021					
2. On-line proposal No.	SIA/UP/MIN/63344/2021, Dated: 15-05-2021					
3. File no. allotted by SEIAA, UP	6330					
4. Name of Proponent	Shri Tauseef Ahmed S/o Late Suaib Ahmed					
5. Full correspondence address of proponent and mobile no.	R/o- H.No.177, Vivek Nagar Kanpur Sagar Road, Kabrai, Tehsil & District: Mahoba, U. P.					
6. Name of Project	"Building Stone Sandstone (Khanda, Gitti, Boulder) Mining Project"					
7. Name of River	Tons River					
8. Project location (Plot/Khasra/Gata No.)	Araj No. – 2098 (Khand No.- A), Area: 6.073 Ha., Village: Bhatauti, Tehsil: Meja, District: Prayagraj (U.P.)					
9. Name of Minor Mineral	Building Stone Sandstone (Khanda, Gitti, Boulder)					
10. Schedule (as per EIA notification 2006)	1(a)					
11. Category of Project	B(1)					
	S. No.	Village	Gata No.	Khand No.	Area (Ha)	Land Status
	1	Bhatauti	2098	A	6.073	Proposed
	2	Bhatauti	2098	C	6.073	Operated
	3	Bhatauti	2098	B	6.073	Completed

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	4	Bhatauti	2098	D	6.073	Completed	
	5	Bhatauti	2062	72	2.024	Operated	
	6	Bhatauti	2062	71	2.024	Operated	
	7	Bhatauti	2061	2B	4.048	Operated	
	8	Bhatauti	2062 & 2070	96	2.428	Operated	
	9	Bhatauti	2098	2A	8.096	Proposed	
	10	Bhatauti	2061, 2098	3	8.096	Operated	
	11	Bhatauti	2098	51A	2.631	Proposed	
	12	Bhatauti	2098	32	4.048	Operated	
	13	Bhatauti	2098	D	6.073	Completed	
	14	Bhatauti	2062	73	6.073	Completed	
	15	Bhatauti	2062	74	6.073	Proposed	
	16	Bhatauti	2062	49	8.096	Operated	
	17	Bhatauti	2098	16 & 18	4.048	Proposed	
			Total Area= 83.187- 24.292(Completed) =58.895 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: 6.073 Ha					
13. Mineable/Workable Area (in Ha.)	6.073 Ha						
14. Project Status	New Mine, District Magistrate has given consent vide letter No. 569/ खनिज/2020-21, Dated 10/02/2021, Mining Lease area granted for maximum 20 years having production capacity 60,730 m3/annum.						
15. Zero level mRL	-						
16. Max. & Min mRL within lease area	Highest Point: 116.0 mRL Lowest Point: 109.0 mRL						
17. Total Geological Reserves	27,49,569 m ³						
18. Total Mineable Reserves (in approved mining plan)	16,95,198 m ³						
19. Proposed Production/year	60,730 m ³ per annum						
20. Sanctioned Period of Mine lease	20 years						
21. Production of mine/day	233.57 m ³ /day						
22. Method of Mining	Method	Technology			Tools/ Machines		
	Manual mining with drilling and blasting	Opencast, semi-mechanized			Jack hammer drill rods, Blasting material		
23. No. of Working days	260 Days						
24. Working hours/day	8 hours/day						
25. No. of Workers	35						
26. No. of vehicles movement/day	65 Units (Assumed Loading Capacity: 10 m ³ /Unit)						
27. Type of Land	State Government Land						
28. Ultimate Depth of Mining	12 m						
29. Nearest metalled road from site	Manda Meja Link Road 1300 m, North						

30. Water Requirement	Source	Purpose	Detail	Avg.Demand /Day(in KLD)
	Portable Tanker	Drinking @15 lpcd/worker	35 workers x 15lpcd = 525lit/day	0.525KLD
		Land reclamation/plantation @2.5 Lit/Tree	1200Trees x5lit.) = 6000 Lit/day	6KLD
		Dust suppression twice in a day (Haulage Road Area) @2 Lit/Sq.m	Haul Road Area = (1300m Length x 7m Width = 9100m ²) x 1 lit/sq.m = 9100 litx 1 = 9100 lit/day	9.1 KLD
	Total			15.625 KLD
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till September 29/2021			
32. Any litigation pending against the project or hand in any court	No			
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Prayagraj Letter No. 923/Khanij/2020-21, Date - 23/03/2021.			
34. Details of Lease Area in approved DSR	Approved DSR,Prayagraj :			
35. Total Cost of Project	Rs. 159.88 Lakhs			
36. Proposed CER Cost	Rs. 3.2 Lakhs (2% of the total Project Cost)			
37. Proposed EMP Cost	Rs. 36.25 Lakhs			
38. Length and breadth of Haul Road	Length 1300 m & Width 7 m			
39. No. of Trees to be Planted	1200 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-03

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

Additional TOR:

- Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
- Revised CER Plan with the consultation of District Authority.
- Detailed plan for dust suppression.
- 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.

5. Plan for vehicular movement.
6. 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.

4. Sand Stone Mining at Araj No.-2098, 1745, Village-Bhatauti, Tehsil-Meja, Prayagraj., Shri Vinay Kumar, Area-12.145 ha. File No. 6331/ Proposal No. SIA/UP/MIN/63332/2021

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 Stone Mining at Araj No.-2098, 1745, Village-Bhatauti, Tehsil-Meja, Prayagraj, U.P. (Leased Area-12.145 ha.).
2. Salient features of the project as submitted by the project proponent:

1. Agenda No. & Meeting Date	Agenda No. 558 th , Meeting Dated- 13-08-2021					
2. On-line proposal No.	SIA/UP/MIN/63332/2021, Dated: 15-05-2021					
3.File no. allotted by SEIAA,UP	6331					
4. Name of Proponent	Shri Vinay Kumar S/o Shri Lal Ram Verma					
5.Full correspondence address of proponent and mobile no.	R/o-748 Vanshi Gauhra, Tehsil & District: Mainpuri, U. P.					
6. Name of Project	“Building Stone Sandstone (Khanda, Gitti, Boulder) Mining Project”					
7. Name of River	Tons River					
8. Project location (Plot/Khasra/Gata No.)	Araji No. – 2098,1745, Area: 12.145 Ha., Village: Bhatauti, Tehsil: Meja, District: Prayagraj (U.P.)					
9. Name of Minor Mineral	Building Stone Sandstone (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)	Land Status
	1	Bhatauti	2098 & 1745	-	12.145	Proposed
	2	Bhatauti	2098	49	8.096	Completed
	3	Bhatauti	2098	76	4.048	Operated
	4	Bhatauti	2098	77	4.048	Operated
	5	Bhatauti	2098	44	8.097	Proposed
	6	Bhatauti	2098	74	6.071	Completed
	7	Bhatauti	2098	D	6.071	Completed
	8	Bhatauti	2098	37	2.024	Completed
	9	Bhatauti	2098	39	2.024	Completed
	10	Bhatauti	2098	41, 43	4.048	Completed
	11	Bhatauti	1744	59	8.097	Operated
	12	Bhatauti	1744	58	4.048	Operated
	13	Dharaval	DH 15	-	2.024	Operated

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	14	Dharaval	DH 16	-	2.024	Completed
	15	Dharaval	DH 11	-	1.012	Completed
	16	Dharaval	DH 12	-	6.071	Completed
	17	Dharaval	DH 13	-	4.048	Operated
	18	Dharaval	282	A.B.C	4.856	Operated
	19	Dharaval	278	DH/1	4.048	Operated
	20	Dharaval	DH 18	-	3.424	Operated
			Total Area= 67.0166 -41.489(completed) = 25.527 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: 12.145 Ha				
13. Mineable/Workable Area (in Ha.)		12.145 Ha				
14. Project Status		New Mine, District Magistrate has given consent vide letter No. 571/खनिज/2020-21/तददिनांक, Dated 10/02/2021, Mining Lease area granted for maximum 20 years having production capacity 1,21,450 m3/annum.				
15. Zero level mRL		-				
16. Max. & Min mRL within lease area		Highest Point: 118.0 mRL Lowest Point: 105.0 mRL				
17. Total Geological Reserves		45,94,398 m ³				
18. Total Mineable Reserves (in approved mining plan)		40,78,020 m ³				
19. Proposed Production/year		1,21,450 m ³ per annum				
20. Sanctioned Period of Mine lease		20 years				
21. Production of mine/day		467.11 m3/day				
22. Method of Mining		Method	Technology		Tools/ Machines	
		Manual mining with drilling and blasting	Opencast, semi-mechanized		Jack hammer drill rods, Blasting material	
23. No. of Working days		260 Days				
24. Working hours/day		8 hours/day				
25. No. of Workers		51				
26. No. of vehicles movement/day		131 Units (Assumed Loading Capacity: 10 m ³ /Unit)				
27. Type of Land		State Government Land				
28. Ultimate Depth of Mining		9 m				
29. Nearest metalled road from site		Kohadarghat Road is 1100 m, NE				
30. Water Requirement		Source	Purpose	Detail		Avg.Demand /Day(in KLD)
		Portable Tanker	Drinking @ 15 lpcd/worker	51 workers x 15lpcd = 765lit/day	0.765KLD	

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	Land reclamation/plantation @ 2.5 Lit/Tree	2430Trees x 5lit.) = 12150 Lit/day	12.15KLD
	Dust suppression twice in a day (Haulage Road Area) @ 2 Lit/Sq.m	Haul Road Area = (1100m Length x 7m Width = 7700m ²) x 1 lit/sq.m = 7700 lit x 1 = 7700 lit/day	7.7 KLD
	Total		20.615 KLD
31. Name of QCI Accredited Consultant with QCI No. and period of validity.	GLOBUS ENVIRONMENT ENGINEERING SERVICES Certificate No. NABET/EIA/1821/IA0034, Extension Validity Till September 29/2021		
32. Any litigation pending against the project or hand in any court	No		
33. Details of 500 m Cluster Map & certificate issued by Mining Officer	Cluster certificate issued by DMO (Mining Section), Prayagraj Letter No. 924/Khanij/2020-21, Date - 23/03/2021.		
34. Details of Lease Area in approved DSR	Approved DSR, Prayagraj :-		
35. Total Cost of Project	Rs. 273.40 Lakhs		
36. Proposed CER Cost	Rs. 5.46 Lakhs (2% of the total Project Cost)		
37. Proposed EMP Cost	Rs. 35.73 Lakhs		
38. Length and breadth of Haul Road	Length 1100 m & Width 7 m		
39. No. of Trees to be Planted	2430 Trees		

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

RESOLUTION AGAINST AGENDA NO-04

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

Additional TOR:

- Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
- Revised CER Plan with the consultation of District Authority.
- Detailed plan for dust suppression.
- 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.
- Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with forest department shall be formulated and implemented.

5. Sand Stone Mining at Gata No.-323, Khand No.-06 Naya, Village- Mochipura, Tehsil-Sadar, Mahoba, U.P., Shri Satyendra Kumar Agnihotri, M/s Om Construction & Supplier, Area-0.607 ha. File No. 6334/ Proposal No. SIA/UP/MIN/61884/2021

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 Sand Stone Mining at Gata No.-323, Khand No.-06 Naya, Village- Mochipura, Tehsil-Sadar, Mahoba, U.P., (Leased Area-0.607 ha.), M/s Om Construction & Supplier.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61884/2021		
2. File No. allotted by SEIAA, U.P	6334		
3. Name of Proponent	M/s OM CONSTRUCTION AND SUPPLIER Proponent- Shri Satyendra Kumar Agnihotri S/o Shri Jageshwar Prasad Agnihotri		
4. Full correspondence address of proponent and mobile no.	R/o- Mu. Indra Nagar, Kabrai Tehsil & District-Mahoba (U.P.)		
5. Name of Project	Building Stone, Sand Stone (Khanda, Boulder, Gitti) Deposit		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 323 (Khand No. – 06 Naya),		
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, Sand Stone (Khanda, Boulder, Gitti)Deposit		
12. Sanctioned Lease Area (in Ha.)	0.607 Ha.		
13. Mineable Area (in Ha.)	0.3305 Ha. (Safety Margin 0.2766 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 126.95 & 106.10 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°23'26.41"	80°0'7.87"
	B	25°23'26.38"	80°0'10.40"
	C	25°23'24.76"	80°0'10.61"
	D	25°23'25.02"	80°0'12.97"
	E	25°23'24.19"	80°0'13.03"
	F	25°23'23.81"	80°0'8.06"
17. Total Geological Reserves	1,23,624 m ³		
18. Sanction Quantity as per LOI	30,000 m ³ per year as per LOI		
19. Total Proposed Production	36,756 m ³ in five year		
20. Proposed Production/year	30,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	100.0 m ³ /day		
23. Method of Mining	Open cast, Semi-mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	38		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone, Sand Stone (Khanda, Boulder, Gitti) Deposit		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 0.33 km towards East direction from the project site.		

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31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.48 KLD
	Dust suppression	6.24 KLD
	Plantation	0.3 KLD
	Others (if any)	-
	Total	7.0 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/ 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. 7510/ MMC-30/2020-21 Date- 26/12/2020	
35. Details of Lease Area in approved DSR	Corrigendum Letter no: 154/M.M.C-30-Khanij(2021-22) dated 12/05/2021	
36. Proposed EMP cost	Rs 28,96,700/-	
37. Proposed Total Project cost	Rs. 74,00,000/-	
38. Length and breadth of Haul Road	260 m length and 6.0 m width	
39. No. of Trees to be Planted	300	

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-05

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

Additional TOR:

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. Revised CER Plan with the consultation of District Authority.
4. Detailed plan for dust suppression.
5. 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.
6. Plan for vehicular movement.
7. 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.

- 6. Soil Excavation at Gata No.-23, 52, Village- Mundya Mohiuddin pur, Tehsil-Thakurdwara, Moradabad., Shri Vijendra Singh, Area-0.482 Ha. File No. 6338/ Proposal No. SIA/UP/MIN/210418/2021**

RESOLUTION AGAINST AGENDA NO-06

The project proponent vide letter dated 12/08/2021 requested to defer the matter in next SEAC meeting. The SEAC discussed the letter and directed to defer the matter as per request made by 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. Stone Mining at Gata No.-314, Khand No.-04, Village- Pangara, Tehsil-Naraini, Banda., Shri Ram Krishan Pandey., Area-0.628 ha. File No. 6339/ Proposal No. SIA/UP/MIN/189756/2021**

RESOLUTION AGAINST AGENDA NO-07

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.

- 8. Stone Mining at Arazi No.-953, Khand No.-05, Village- Daharra, Tehsil-Sadar, District-Mahoba, U.P., Shri Amar Singh, M/s Amar Singh & Maan Singh Pahari Pattedharak., Area-1.214 ha. File No. 6341/ Proposal No. SIA/UP/MIN/63792/2021**

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 Arazi No.-953, Khand No.-05, Village- Daharra, Tehsil-Sadar, District-Mahoba, U.P., M/s Amar Singh & Maan Singh Pahari Pattedharak, (Leased Area-1.214 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/63792/2021		
2. File No. allotted by SEIAA, U.P	6341		
3. Name of Proponent	M/s Amar Singh and Maan Singh Pahari Pattedharak Proponent- Mr. Amar Singh S/o Late Rameshwar Singh		
4. Full correspondence address of proponent and mobile no.	R/o- Near Jail Road, Bajrang Chowk, Gandhi Nagar, Mahoba Tehsil & District- Mahoba (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 953 (Khand No. – 05),		
7. Name of River	NA		
8. Name of Village	Daharra		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.214 Ha.		
13. Mineable Area (in Ha.)	0.6762 Ha. (Safety Margin 0.5378 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL 196.5 & 185.0 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°19'31.20"N	79°58'46.56"E
	B	25°19'30.83"N	79°58'46.78"E

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	C	25°19'29.20"N	79°58'44.78"E
	D	25°19'27.54"N	79°58'45.24"E
	E	25°19'25.94"N	79°58'47.11"E
	F	25°19'25.41"N	79°58'42.95"E
	G	25°19'28.20"N	79°58'41.63"E
17. Total Geological Reserves	5,04,680 m ³		
18. Sanction Quantity as per LOI	60,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	74,743 m3 in 2 years		
20. Proposed Production/year	60,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	100.0 m ³ /day		
23. Method of Mining	Open cast, Semi-mechanized		
24. No. of working days	300		
25. Working hours/day	8 hours/day		
26. No. Of workers	34		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 5.31 km towards West direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.44 KLD	
	Dust suppression	8.4 KLD	
	Plantation	0.6 KLD	
	Others (if any)	-	
	Total	9.88KLD 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. 7423/ MMC-30/2020-21 Date- 16/12/2020		
35. Details of Lease Area in approved DSR	Corrigendum Letter no:154/M.M.C-30-Khanij(2021-22) dated 12/05/2021		
36. Proposed EMP cost	Rs 37,69,500/-		
37. Proposed Total Project cost	Rs. 84,00,000/-		
38. Length and breadth of Haul Road	350 m length and 6.0 m width		
39. No. of Trees to be Planted	600		

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

RESOLUTION AGAINST AGENDA NO-08

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

Additional TOR:

1. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
2. Revised CER Plan with the consultation of District Authority.
3. Detailed plan for dust suppression.
4. 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.
5. Plan for vehicular movement.
6. 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.

9. Sand Stone Mining at Gata No.-188/1, Village-Lahaura, Tehsil-Chunar, District-Mirzapur., Smt. Anju Singh Area-1.01 ha. File No. 6345/ Proposal No. SIA/UP/MIN/61390/2021

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 Sand Stone Mining at Gata No.-188/1, Khand No.-01, Village-Lahaura, Tehsil-Chunar, Mirzapur, U.P., (Leased Area-1.01 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61390/2021		
2. File No. allotted by SEIAA, UP	6345		
3. Name of Proponent	Smt. Anju Singh w/o Shri Yogendra Pratap Singh		
4. Full correspondence address of proponent and mobile no.	R/o- Lahaura, Pahiti District-Mirzapur (U.P.)		
5. Name of Project	Building Stone (Sand Stone)Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 188/1		
7. Name of River	NA		
8. Name of Village	Lahaura		
9. Tehsil	Chunar		
10. District	Mirzapur (U.P)		
11. Name of Minor Mineral	Building Stone (Sand Stone)Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.01 Ha.		
13. Mineable Area (in Ha.)	0.611 ha.(Safety area 0.399 Ha)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 169 mRL Minimum mRL 145 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	24°59'58.00"N	82°45'42.60"E
	B	24°59'56.30"N	82°45'42.60"E
	C	24°59'57.00"N	82°45'34.40"E
	D	24°59'58.90"N	82°45'34.60"E
17. Total Geological Reserves	414757 m ³ /year		
18. Total Mineable Reserves	30300 m ³ per year as per LOI		
19. Total Proposed Production (in four year)	119025 m ³		
20. Proposed Production/year	30300 m ³ per year		
21. Sanctioned Period of Mine lease	10 Year		
22. Production of mine/day	110.18 m ³ /day		

23. Method of Mining	275	
24. No. of working days	300	
25. Working hours/day	8 hours/day	
26. No. Of workers	24	
27. No. Of vehicles movement/day	9-10 Vehicles movement/day	
28. Type of Land	Building Stone (Sand Stone)Mining Project	
29. Ultimate Depth of Mining	6 m	
30. Nearest metalled road from site	NH-7 is about 9.39 km towards North direction from the project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.34 KLD
	Suppression of dust	4.80 KLD
	Plantation	0.48 KLD
	Others (if any)	-
	Total	5.62 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/RA0200 and 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. - 1235/Khanij/क्र० स०/2020-21 date 12/1/2021	
35. Details of Lease Area in approved DSR	Page No 38, Sr. 12	
36. Proposed EMP cost	Rs. 2358800	
37. Total Project cost	Rs. 8500000	
38. Length and breadth of Haul Road	200 m length and 6.0 m width	
39. 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-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. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
2. Revised CER Plan with the consultation of District Authority.
3. Detailed plan for dust suppression.
4. 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.
5. Plan for vehicular movement.
6. 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.

10. Sand Stone Mining at Gata No.-188/1, Village-Lahaura, Tehsil-Chunar, Mirzapur, Shri Shyam Bahadur Singh, Area-1.616 ha. File No. 6346/ Proposal No. SIA/UP/MIN/61374/2021

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 Sand Stone Mining at Gata No.-188/1, Village-Lahaura, Tehsil-Chunar, District-Mirzapur, (Leased Area-1.616 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/61374/2021		
2. File No. allotted by SEIAA, UP	6346		
3. Name of Proponent	Shri. Shyam Bahadur Singh S/o Shri Jawahir Singh		
4. Full correspondence address of proponent and mobile no.	R/o- Near Hydell Colony, Danghar District- Mirzapur (U.P.)		
5. Name of Project	Building Stone (Sand Stone)Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 188/1		
7. Name of River	NA		
8. Name of Village	Lahaura		
9. Tehsil	Chunar		
10. District	Mirzapur (U.P)		
11. Name of Minor Mineral	Building Stone (Sand Stone)Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.616 Ha.		
13. Mineable Area (in Ha.)	1.2 ha.(Safety area 0.416 Ha)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum mRL 156 mRL Minimum mRL 134mRL		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°00'04.50"N	82°45'29.80"E
	B	24°59'58.30"N	82°45'26.60"E
	C	24°59'59.30"N	82°45'23.80"E
	D	25°00'05.10"N	82°45'27.00"E
17. Total Geological Reserves	64,04,94 m ³ /year		
18. Total Mineable Reserves	48,480 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	242400 m ³		
20. Proposed Production/year	48480 m ³ per year		
21. Sanctioned Period of Mine lease	10 Year		
22. Production of mine/day	176.29 m ³ /day		
23. Method of Mining	Open cast, Mechanized		
24. No. of working days	275		
25. Working hours/day	8 hours/day		
26. No. Of workers	28		
27. No. Of vehicles movement/day	14-15 Vehicles movement/day		
28. Type of Land	Building Stone (Sand Stone)Mining Project		
29. Ultimate Depth of Mining	6 m		
30. Nearest metalled road from site	NH-7 is about 9.39 km towards North direction from the project site.		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking water	0.38 KLD	
	Suppression of dust	6.36 KLD	
	Plantation	0.78 KLD	
	Others (if any)	-	
	Total	7.52 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/RA0200 and 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. - 1536/Khanij/क्र० स०/2020 date 12/1/2021
35. Details of Lease Area in approved DSR	Page 38 serial 10
36. Proposed EMP cost	Rs. 3159950
37. Total Project cost	Rs. 95,00,000
38. Length and breadth of Haul Road	265 m length and 6.0 m width
39. No. of Trees to be Planted	780

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

RESOLUTION AGAINST AGENDA NO-10

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

Additional TOR:

1. Agreement between project proponent and competent authority for safe disposal of municipal solid waste should be provided at the time EIA presentation.
2. Revised CER Plan with the consultation of District Authority.
3. Detailed plan for dust suppression.
4. 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.
5. Plan for vehicular movement.
6. 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.

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

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

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

(Prof. Jaswant Singh)
Member, SEAC-2

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

(Ashish Tiwari)
Member-Secretary, SEAC-2

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

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

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

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

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